NAME: Rudaz Serge, Marc, Tancrède
BIRTH: 30 July 1965, Geneva (Switzerland)
WORK ADDRESS Section des sciences pharmaceutiques
1 Michel Servet, 1211 GENÈVE 4 – Switzerland
serge.rudaz@unige.ch
https://farma-unites.unige.ch/fr/rudaz-lab

ORCID: 0000-0002-4180-5417

Head of the Biomedical and Metabolomic Analysis, Analytical Sciences

CURRENT INTERESTS and RESEARCH AREAS

1. Metabolomics, Clinical studies, Toxicological Analysis
2. Chemometrics, Experimental design (DOE), Multivariate Data Analysis (MVA)
3. Separation techniques (HPLC, CE) and hyphenation with Mass Spectrometry (MS) Analysis of pharmaceuticals substances, Counterfeit Issues, Biological matrices, Sample preparation, Doping analysis
4. Validation. Regulation. Validation standards and Laboratory accreditation (ISO17025)

ACADEMIC QUALIFICATIONS

2018 Certificate of advanced studies (CAS) Mindfulness Based Intervention, HES-SO/UniGE
1998 Post-doctoral fellow, « Application of capillary electrophoresis for chiral separation in biological fluids ». National Research Center, Roma (Italy)
1997 PhD. thesis « Use of chiral stationary phase in HPLC for the stereoselective determination of methadone ». Thesis N°2917 University of Geneva (Switzerland)
1996 Certificate in Mass Spectrometry (MS), University of Geneva (Switzerland)
1991 Diplôme fédéral de Pharmacien, University of Geneva (Switzerland)

CURRENT POSITION and EMPLOYMENT HISTORY

Since 2023 Invited Professor, College of Pharmacy, Jinan University, Guangzhou (China)
2022 - 2026 Vice – President | School of Pharmaceutical Sciences - UniGE
2022 Full Professor, University of Geneva (Switzerland)
2019, 2023 Visiting Professor, College of Pharmacy, Jinan University, Guangzhou (China)
2012 Associate Professor, University of Geneva (Switzerland)
2011 - 2015 Director of the Pharmaceutical Analytical Chemistry, University of Geneva (Switzerland)
2006 - 2017 Senior Lecturer (chargé de cours), Claude Bernard I University, Lyon (France)
2005 - 2022 Collaborateur de l'Université, Université de Liège (Belgium)
2003 - 2012 Maître d'enseignement et de recherche (MER), University of Geneva (Switzerland)
2007 - 2011 Invited Professor, University di Pavia (Italy)
2004 Invited Professor 1ère Classe, Claude Bernard I University, Lyon (France)
2000 Senior Lecturer (chargé de cours), University of Geneva (Switzerland)
1999 Research and Teaching Fellow, University of Lausanne (Switzerland)
1998 Post-doctoral Training, Institute of chromatography, CNR, Rome (Italy)
1997 PhD. Thesis in Pharmaceutical Sciences, University of Geneva (Switzerland)
1992 Pharmacist, Pharmacie de la Tour de l'Île, Geneva (Switzerland)

AWARDS and DISTINCTIONS (Selected)

2025 **Grand Prix de l'Académie Nationale de Pharmacie (France)** f*or the work quality honoring the profession and a professional career that can serve as an example.*
2022 **AFSEP Scientific Price** *for his achievements and his involvement in the separative sciences community*. Association francophone des sciences séparatives (AFSEP)
2015 **Fellow of Swiss Society of Pharmaceutical Sciences SGPhW** *for his outstanding contribution to the advancement of Pharmaceutical Sciences,* University Hospital of Bern, (Switzerland)
2014 Runners Up in **The Humanity in Science Award 2014** *Low-cost analytical device based on capillary electrophoresis (CE) for falsified drug detection and sub-standard drug quality control*
2010 **Trophée de l'Innovation** *Un appareil d'analyse économique et écologique pour lutter contre la contrefaçon de médicaments,* 4th Innovation day, HUG, Geneva (Switzerland).

Professional Activities

Since 2025	Member of Laboratory Expert Advisory Group – World Anti-Doping Agency (WADA)
Since 2024	Member Committee | Société Académique de Genève (SACAD)
Since 2024	Board | Swiss Metabolomic Society (SMS) Board
Since 2021	Permanent International Steering Committee of DA|PBA series Congress
Since 2014	Management Board | Swiss Centre for Applied Human Toxicology (SCAHT)
Since 2014	Research Group Leader | Swiss Centre for Applied Human Toxicology (SCAHT)
Since 2010	Board | Chemometrics comity, Société Française de Statistiques (SFdS)
Since 2004	Board | Scientific Board of Chimiométrie Congress series (www.chimiométrie.org)
Since 2002	Board | Competence Center in Toxicological and Analytical Chemistry (cCCTA)
2022 - 2026	Vice-President | School of Pharmaceutical Sciences, University of Geneva (Switzerland)
2010 - 2026	Vice - president | Association Pharmelp, Fribourg, Switzerland
2018 - 2023	President | Swiss Metabolomic Society (SMS)
2015 - 2018	President | Competence Center in Toxicological and Analytical Chemistry (cCCTA)
2013 - 2016	Vice - president | Association Française des sciences séparatives (Afsep), France
2010 - 2017	Executive Board | Association Française des sciences séparatives (Afsep), France
2010 - 2017	Executive Board | Club Lyonnais de Chromatographie Liquide, France

Academic activites and Scientific Advisory Boards (SAB)

Since 2024	SAB | MetaboHub - French National Infrastructure Metabolomics and Fluxomics
Since 2023	Scientific Committee CAS in « Mindfulness Based Interventions » HES-SO/UniGE
Since 2022	Board of Directors, MAS in Toxicology, UniGE
Since 2022	Commission MER/CC/CE/COLS (MC^3), Faculty of Science, UniGE
Since 2021	Steering committee | Metabolomics Core Facility of Institut Pasteur, Paris (France)
Since 2020	President | Regulation and Equivalency Commission for the School of Pharmaceutical Sciences, UniGE
Since 2017	SAB | MS platform Core Facility (PCF) of the Faculty of Science, UniGE
2024	External advisory board - Dpt of Pharmaceutical and Pharmacological Sciences - KU Leuven (Belgium)
2015 - 2025	Collège doctoral | Institut des Sciences Analytiques Université de Lyon (France)
1999 - 2025	Faculty of Sciences council, UniGE
2010 - 2021	SAB | Master of Advanced Studies in Toxicology – UniGE
2017 - 2023	SAB | Proteomics Core Facility (PCF) of the Faculty of Medicine, UniGE
2016 - 2017	SAB | Entrepreneuriat et Technologies appropriées E&Ta, HES-SO.
2014 - 2017	President | Teaching commission for School of Pharmacy, UniGE
2013 - 2023	SAB | Institut de Chimie de Lyon - FR3023 (France)
1999 - 2011	President | Equivalency commission for School of Pharmacy, UniGE
2001 - 2003	President | Section of Pharmacy council, UniGE
1993 - 2011	Member | Section of Pharmacy council, UniGE
1993 - 1996	Examiner | Federal License students in Pharmacy, OFSP, Bern

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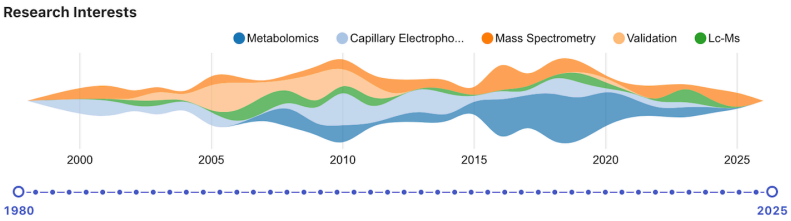
Since 2002	Expert | Laboratory accreditation ISO 17025 | Swiss Accreditation Service (SAS)
Since 2019	Swiss representative | OECD Metabolomics Reporting Framework (MRF) group.
2020 - 2021	Expert | Hcéres comité CMDER-210008692 - S4-ISA-ST48 (France)
2019 - 2022	Supporting expert | EU-NETVAL Joint Research Centre, European Commission (Italy)
2019 - 2022	Member | EFSA Working Group - WG - PREV - In vitro metabolism Parma (Italy)
2015 - 2021	Expert | Group on Biotransformation Assays – OCDE, Paris (France)
2014 - 2018	Member | SFSTP commission for Uncertainty (France)
2008 - 2014	Member | SFSTP commission for method validation harmonisation (France)

SCIENTIFIC CONTRIBUTIONS



> **390** Papers in refereed journals
4/25 Book and Book chapters
> **125** Delivered oral presentations
> **80** Lectures | Talks | Seminars
> **50** Invited Lectures for Universities
> **240** Co-authored oral presentations

> **30** Congress or Seminars organization
> **25** Papers in non-peer reviewed journals
> **320** Posters at international meetings
> **35** Thesis Direction|co-direction
> **110** Thesis or Habilitation Jury member

Scopus H_{index} : 68 - Citations > 17'000
Google H_{index} : 82 - Citations > 24'500
Scopus Author ID: 57223187220 – 04/2026

> 50 Awards and distinctions

https://exaly.com/author/4397363/serge-rudaz/rankings
https://www.adscientificindex.com/scientist/serge-rudaz/1080653
https://www.webofscience.com/wos/author/record/2172699

Editorial and Referring duties

Since 2021 Associate Editor in Frontiers in Analytical Science - Pharmaceutical analysis
Since 2020 Guest Editor for Frontiers in Molecular Biosciences
Metabolomics Perspectives for Clinical Medicine
Since 2017 Editorial Board of Journal of Pharmaceutical and Biomedical Analysis (JPBA)
Since 2020 Editorial Board of Journal of Pharmaceutical Analysis (JPA)

2024 Guest Editor for JPBA Special issue "Multiomics"
2017 Guest Editor for J.Chromatogr.A Special issue "SEP 2017"
2014 Guest Editor for Spectra Analysis Special issue "Counterfeits Analysis"
2012 Guest Editor for Electrophoresis Special issue "MSB2012"
2011 Guest Editor for Forensic Science International "Special issue Doping Analyses"
2008 Guest Editor for J.Chromatogr.B "Methods Validation and Transfer"
2014 - 2024 Member of the Bioanalysis Glossary Editorial Pannel (Bioanalysis, Futur Science)
2013 - 2019 Editorial Board of Spectra Analysis
2006 - 2014 Editorial Board of European Journal of Pharmaceutics and Biopharmaceutics

Since 2001 Reviewer for over a dozen international analytical chemistry journals (over 50 manuscripts per years), *Analytical Chemistry, TrAC, Journal of Chromatography A, Journal of Chromatography B, Electrophoresis, Journal of Separation Sciences, Journal of Pharmaceuticals and Biomedical Analysis, Talanta, Separation and Purification Reviews, European Journal of Medicinal Chemistry, PLOS One, Chemometrics and Intelligent Lab. Systems, European Journal of Pharmaceutical Sciences, Expert Opinions)*

Membership of academic organisations

Swiss Society of Legal Medecine (SSLM), Metabolomics Society, Associate member of the Research Center for Statistics (RCS - UniGE), International Association of Forensic Toxicologists (TIAFT), Centre of Competence in Toxicological and Analytical Chemistry (CCCTA), Société Suisse de Chimie (SCS), Société Française de Statistiques (SFdS), Swiss Center for Applied Human Toxicology (SCAHT), Société Française des Sciences et Techniques Pharmaceutiques (SFSTP), Fondation Gentiana, Association francophone sciences séparatives (Afsep), Swiss Society of Industrials Pharmacist (SSPI), Club Lyonnais de Chromatographie Liquide, Club francais de chimiométrie (CFC), Société académique de Genève (SAG) Swiss Metabolomic Society (SMS)

Table des matières

Principal Competitive and Institutional grants > 8'500'000 CHF

2025 – 2028 Bioanalytical and Metabolomic Readouts for Toxicology S. Rudaz (PI)
I. Meister (CI) - J. Boccard (CI) - Swiss Center for Applied Human Toxicology (SCAHT) 865'000 CHF
2024 – 2026 Exploiting apicomplexan diversity to discover vulnerabilities in metabolite acquisition
A. Guerin (co-PI), D. Soldati-Favre (co-PI), S. Rudaz (co-PI) 600'000 CHF
2022 – 2026 Mindfulness-Based Intervention to reduce stress and improve prosocial skills for health-care students: a translational RCT integrating clinical, neuroimaging and biomedical outcomes
C. Piguet (PI), F. Jermann (CI), S. Rudaz (CI) SNF N° 32003B_205111 630'000 CHF

2024 V. Gabelica (PI), S. Rudaz (CI), J.-L. Wolfender (CI), D. Guillarme (CI)SNF	570'000 CHF
2023 - 2024 S. Rudaz (PI) - Swiss Center for Applied Human Toxicology (SCAHT)	420'000 CHF
2023 – 2024 I. Meister (PI), P. Nowak-Sliwinska (CI) S. Rudaz (CI) – SCAHT	120'000 CHF
2021 - 2022 S. Rudaz (PI) - Swiss Center for Applied Human Toxicology (SCAHT)	420'000 CHF
2020 – 2021 S. Rudaz (PI) Swiss Science and Technology Cooperation with Russia	17'000 CHF
2019 - 2020 S. Rudaz (PI) - Swiss Center for Applied Human Toxicology (SCAHT)	414'000 CHF
2018 O. Vorlet (PI), O. Sarr, P. Bonnabry, C. Rohrbasser, S. Rudaz (CI), E & TA (HES SO)	100'000 CHF
2018 J.-C. Sanchez (PI), L. Stoppini, MG Zurich, S. Rudaz (CI) - (SCAHT)	20'000 CHF
2017 D. Legouis and S.de Seigneux (PI) A. Giacobino and S. Rudaz (CI) – Starter HUG	100'000 CHF
2017 - 2020 S. Rudaz (PI) J. Boccard (CI) - SNF N° 200020-146200-1	525'000 CHF
2017 - 2018 S. Rudaz (PI) - Swiss Center for Applied Human Toxicology (SCAHT)	414'000 CHF
2016 - 2017 S. Nef (PI) and S. Rudaz (Co-PI) – Fundation of Geneva Universitary Hospital	150'000 CHF
2016 S. Rudaz (PI) - Swiss Center for Applied Human Toxicology (SCAHT)	60'000 CHF
2015 - 2016 S. Rudaz (PI) - Swiss Center for Applied Human Toxicology (SCAHT)	380'000 CHF
2012 – 2014 S. Rudaz (PI), Marie Curie Actions - IEF, Project N° 299455	184'000 €
2013 - 2015 J.-L Wolfender (PI) S. Rudaz (CI) T. Farmer (CI), SNF N° 200020-146200-1	230'000 CHF
2013 - 2014 S. Rudaz (PI) - Swiss Center for Applied Human Toxicology (SCAHT)	380'000 CHF
2012 - 2014 L. Stoppini (PI), KH. Krause (CI), S. Rudaz (CI), CTI (579'000 CHF)	150'000 CHF
2012 S. Rudaz (PI), M. Saugy (co-PI), Swiss Center for Applied Human Toxicology (SCAHT)	300'000 CHF
2009 - 2011 J.-L Wolfender (PI) T. Farmer (CI), S. Rudaz (CI), SNF N° 205320|135 190 – 1	130'000 CHF
2010 T. Turlings (PI), A. Davidson (CI), J.-L. Wolfender (CI), S. Rudaz (CI), SystemsX	142'000 CHF
2009 S. Rudaz (PI), M. Saugy (co-PI), Swiss Center for Applied Human Toxicology (SCAHT)	300'000 CHF
2009 J.-L. Veuthey (PI), S. Rudaz (co-PI) UNIGAP, Unitec	20'000 CHF
2009 - 2011 J.-L Wolfender (PI) T. Farmer (CI), S. Rudaz (CI), SNF N° 124-667	134'000 CHF
2009 - 2010 T. Turlings (PI) et al., NCCR Plant Survival, N° 110-108	170'000 CHF
2008 C. Rohrbasser (co-PI) and S. Rudaz (co-PI), Projet iTIN, Sagex n° 19870	117'000 CHF
2007 J.-L Wolfender (PI), S. Rudaz (CI), SNF, N° 205320-116274|1	113'000 CHF
2006 S. Rudaz (co-PI) and C. Rohrbasser (co-PI), iTIN, Sagex n° 11480	138'000 CHF
2005 S. Rudaz (PI), J.-L. Wolfender, P.-A. Carrupt, School of Pharmaceutical Sciences	223'000 CHF
2005 J.-L Wolfender (PI), S. Rudaz (CI) SNF N° 205320-107735|1	106'000 CHF
1997 S. Rudaz (PI), SNF, Grant of young researcher N° 81GE-51707	40'000 CHF

Industrials and Service > 1'700'000 CHF

2022 – 2023 S. Rudaz (PI), J. Boccard (CI) Expertise in anti-Doping sciences	200'000 CHF
2018 S. Rudaz (PI), REDs - Center of Research & Expertise in anti-Doping sciences	50'000 CHF
2015 – 2017 J.-L. Wolfender (PI) and S. Rudaz (CI), Firmenich SA, Switzerland	130'000 CHF
2013 - 2014 S. Rudaz (PI), Direction Générale de la Santé – Etat de Genève, Switzerland	20'000 CHF
2007 - 2018 S. Rudaz (PI) JL. Veuthey (CI) Teoxane SA, Geneva, Switzerland	650'000 CHF
2011 - 2013 S. Rudaz (co-PI) and J.-L. Wolfender (co-PI), Firmenich SA, Switzerland	450'000 CHF
2009 - 2012 S. Rudaz (PI) Almirall SA, Sant Feliu de Llobregat, Spain	20'000 CHF
2007 - 2010 S. Rudaz (PI) J. Schappler (CI), Sebia SA, Evry-Paris, France	120'000 CHF
2001 - 2006 S. Rudaz (PI) UCB Farchim SA, Bulle, Switzerand	290'000 CHF

Institutional supports for Research Equipment > 1'100'000 CHF

2025 Projet Prometa - Faculté des sciences (400kCHF) – COMAD UniGE (180kCHF) – SACAD (150 kCHF)
2021 Fondation Schmidheiny (50kCHF), SACAD (40kCHF) ISPSO support (40kCHF)
2013 Fondation Boninchi (40kCHF) Fondation Schmidheiny (50kCHF) SACAD (33kCHF)
2011 Faculté des sciences, UniGE (100kCHF) – COMAD UniGE (96kCHF)

HONORS - PhD Direction / Co-direction

36. David NEY GONZALEZ (since 2025) **Analyse des interactions contenu-contenant des médicaments hospitaliers** Co-direction Prof. F. Sadeghipour, CHUV, Lausanne, Switzerland
35. Michelle HUBER (since 2025) **Novel analytical approaches for the relative and absolute quantification of biomarkers of exposure** - University of Geneva, Switzerland
34. Célie DA SILVA (Since 2024) - **New strategies for integrating Omics data from multiple sources**, Co-direction Dr. J. Boccard - University of Geneva, Switzerland
33. Mégane AEBISCHER (since 2023) - **Using multidimensional liquid chromatography for the analysis of pharmaceutical compounds** – Co-direction Dr. D. Guillarme, University of Geneva, Switzerland
32. Mathis FIAULT (Since 2023) – **Applied metabolomics for toxicology studies in cancer** Co-direction Prof. P. Nowak-Sliwinska, University of Geneva, Switzerland
31. Oriane STRASSEL (Since 2022) – **New analytical methods for monitoring endogenous metabolites in complex matrices**, Co-direction Dr. J. Boccard - University of Geneva, Switzerland University of Geneva, Switzerland
30. Sergey GIREL (2025) – **Development of Liquid Chromatography–Mass Spectrometry Strategies for Deep Annotation of Metabolites in Biological Matrices**, University of Geneva, Switzerland, Thesis N°333
29. William BELLO (2024), **Extractable and leachables in polymeric primary packaging**, Co-direction Prof. F. Sadeghipour, CHUV, Lausanne, Switzerland Thesis N°5888
28. Gioele VISCONTI (2023), **Development of Multi–Targeted Quantification Strategies for Clinical Metabolomics using Liquid Chromatography–Mass Spectrometry**, Co-direction Prof. N. Vuillemier (HUG), University of Geneva, Switzerland Thesis N°228
27. Sabrina FERRE (2023) **CE-MS in Metabolomics**, Co-direction Prof. J.-C. Sanchez, University of Geneva, Switzerland - Sc. Vie - Pharma Thesis N°201
26. Tatjana VUJIC (2022) **Xenobiotics-induced toxicity on human brain microvascular endothelial cells and their associated extracellular vesicles**, Direction Prof. J.-C. Sanchez, University of Geneva, Switzerland - Sc. Vie - Pharma Thesis N°185
25. Blanca MARIN BOSCH (2020) **Effects of acute physical exercise on memory**, Co-Direction Prof. S. Schwartz, University of Geneva, Switzerland - Thesis N°284
24. Julian PEZZATTI (2020) **Application and Evaluation of Liquid Chromatography – High Resolution Mass Spectrometry in Untargeted Metabolomics for Compound Annotations in Biological Matrices,** University of Geneva, Switzerland - Sc. Vie - Pharma Thesis N°67
23. Federico PONZZETO (2019) **New Strategies for the Longitudinal monitoring of biological markers indicative of doping practices**, Direction Prof. M. Saugy - University of Lausanne, Switzerland
22. Nicolas GUICHARD (2019) **Sécurisation de l'analyse des agents anticacéreux dans un contexte hospitalier et environnemental.** Co-direction Prof. P. Bonnabry, Geneva University Hospitals, Switzerland, - Thesis N°5393
21. Yoric GAGNEBIN (2019) **New Analytical and Data Handling Strategies in Clinical Metabolomics: Application to Chronic Kidney Disease** - Co-direction Dr. J. Boccard - University of Geneva, Switzerland, - Thesis N°5326
20. Elhadji Assane DIOP (2018) **Contrôle de qualité des médicaments antituberculeux et évaluation de leur association avec la médecine traditionnelle** – Co-tutelle Thesis with Dakar, Sénégal - Thesis N°5246
19. Nicolas DROUIN (2018) **Electrodriven strategy in bioanalysis and metabolomics** - Co-direction Dr. J. Schappler - University of Geneva, Switzerland - Sc. Vie - Pharma Thesis N°1
18. Linnea LAGERSTEDT (2018) **Blood Biomarkers in Acute Brain Injury Disorders**, Direction Prof. J.-C. Sanchez - University of Geneva, Switzerland - Thesis N°5174
17. Niloufar MARSOUSI (2017) **CYP450-Mediated Drug-Drug Interactions: Towards Prediction and Informed Dose Recommendation using Physiologically based Pharmacokinetic (PBPK) Modeling**, Direction Prof. J. Desmeules - University of Geneva, Switzerland - Thesis N°5126
16. Leire AZURMENDI (2017) **Biomarkers for Prediction of Cerebrovascular Diseases Associated Complications and Outcome,** Direction Prof. J.-C. Sanchez, Dr N. Turck - University of Geneva, Switzerland - Thesis N°5092
15. Stéphanie ROMAND (2016) **Nouvelles approches in vitro pour l'étude de la physico-chimie et du métabolisme de phase II de composés pharmaceutiques,** Co-direction Prof. P.A. Carrupt - University of Geneva, Switzerland - Thesis N°4975
14. Dany SPAGGIARI (2015) **New methodologies in analytics for metabolism studies**, Co-direction: Prof. J.-L. Veuthey - University of Geneva, Switzerland - Thesis N°4860
13. Alban BUJARD (2015) **Studies of PAMPA permeability values and its application for protein and drug interaction determination**, Co-direction: Prof. P.A. Carrupt - University of Geneva, Switzerland Thesis N°4845

12. Samia Samar OUERTANI (2014) **Nway Partial Least Squares : nouvelles propriétés et apports à la discrimination des données métabolomiques** Co-Tutelle Thesis - Co –direction Dr M. Hanafi (ENITIAA, Nantes, France) University of Geneva, Switzerland - Thesis N°4642
11. Grégoire BONVIN (2014) **Aspects fondamentaux du couplage de l'électrophorèse capillaire à la spectrométrie de masse** Co-direction: Prof. J.-L. Veuthey - University of Geneva, Switzerland Thesis N°4673
10. Isabelle KOHLER (2013) **Sensitivity Improvements in Capillary Electrophoresis – Mass Spectrometry for Clinical and Forensic Toxicology** Co - direction: Prof. J.-L. Veuthey - University of Geneva, Switzerland - Thesis N°4611
9. Aline STAUB (2011) **Développement de l'électrophorèse capillaire couplée à la fluorescence induite par laser et à la spectrométrie de masse à temps de vol pour l'analyse de substances dopantes** Co-direction: Prof. J.-L. Veuthey - University of Geneva, Switzerland - Thesis n°4288
8. Gaëtan GLAUSER (2010) **Stratégies métabolomiques pour l'étude de phénomènes de stress dans des organismes végétaux basée sur la micro-RMN** Co-direction: Prof. J.-L. Wolfender - University of Geneva, Switzerland - Thesis n°4179
7. Raul NICOLI (2009) **Développement de réacteurs enzymatiques dans le domaine de la bioanalyse** Co - direction: Prof. J.-L. Veuthey - University of Geneva, Switzerland - Thesis N°4146
6. Julien BOCCARD (2009) **Knowledge Discovery in Pharmaceutical Sciences, from Metabolomics to Molecular Modelling** Co-direction: Prof. P.-A. Carrupt - University of Geneva, Switzerland - Thesis N°4091
5. Elia GRATA (2009) **Etude métabolomique de la réponse à la blessure chez *Arabidopsis thaliana* par chromatographie liquide à ultra-haute pression (UHPLC) couplée à la spectrométrie de masse à temps de vol (TOF-MS)** Co-direction: Prof. J.-L. Wolfender - University of Geneva, Switzerland -Thesis N°4059
4. Ivano MARCHI (2008) **Influence de la préparation d'échantillons biologiques en LC-API-MS** Co-direction: Prof. J.-L. Veuthey - University of Geneva, Switzerland, Thesis N°4047
3. Julie SCHAPPLER (2007) **Analyse de composé pharmaceutiques par electrophorèse capillaire couplée à des techniques de détection alternatives** Co-direction: Prof. J.-L. Veuthey - University of Geneva, Switzerland -Thesis N°3937
2. Dao NGUYEN (2007) **Analyse rapide en chromagraphie liquide à ultra-haute performance** Co-direction: Prof. J.-L. Veuthey - University of Geneva, Switzerland - Thesis N°3862
1. Sandrine SOUVERAIN (2004) **Extraction en ligne sur support solide pour l'analyse de composés pharmaceutiques contenus dans des matrices biologiques par chromatographie liquide – spectrométrie de masse** Co-Direction: Prof. J.-L. Veuthey - University of Geneva, Switzerland - Thesis N°3520

AWARDS (complete list)

2026 **Best published PhD article 2026 in Public Health - second ranked #2** to Tiberiu Nita for his article: *Hormonal Changes in Professional Printers Exposed to Phthalates Suggesting Potential Disruption of the Hypothalamic–Pituitary–Gonadal Axis*, S. Wrobel, D. Vernez, H. Koch, P. Wild, F. Zufferey, S. Rudaz, L. Stenz, A. Odermatt, N.B. Hopf Environmental Research 291 (2026) 123477 - Swiss School of Public Health (SSPH+).

2026 **Best Poster Award – Chimiométrie 2026** to C. Da Silva for **«** *Multiblock Analysis of Metabolomics Data: Application to Mindfulness Meditation and Healthcare Student Well-Being*, M. Galmiche, O. Strassel, S. Girel, I. Meister, C. Piguet, F. Jermann, J. Boccard, S. Rudaz, Chimiométrie 2026, February 18-19, 2026, Nancy (France)

2025 **Grand Prix de Notoriété de l'Académie Nationale de Pharmacie** for the work quality honoring the profession and a professional career that can serve as an example, December 17, 2025, Paris (France)

2025 **Poster Award for** *"Mindfulness in Healthcare Students: exploring the Biological Basis of Well-Being through Chemometric and Metabolomic Analyses »* C. Da Silva, M. Galmiche, O. Strassel, S. Girel, T. Binz, C. Berchtold, C. Vögel, B. Meuleman, I. Meister, C. Piguet, F. Jermann, J. Boccard, S. Rudaz, Swiss Metabolomics Society Annual Meeting, October 10th 2025, Inselspital Bern, Switzerland

2025 **Best Poster Award – RFMF 2025 Edition (All Categories)** for « Metabolomic insights into Mindfulness: exploring the impact of non-judgmental self-awareness meditation on Healthcare Student Well Being », C. Da Silva, M. Galmiche, O. Strassel, S. Girel, M. Fiault , B. Meuleman, I. Meister, C. Piguet, F. Jermann, J. Boccard, S. Rudaz, 17èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique, June 10-13, 2025, Paris (France)

2025 **Blitz presentation prize** to Claudia Cachet for *« Can a mindfulness intervention prevent compassion fatigue in healthcare students ? a fMRI study »,* B. Meuleman, C. Jolman, F. Grouiller, P. Vuilleumier, F. Jermann, G. Bondolfi, S. Rudaz, O. Klimecki, C. Piguet. Neuromaster Day, Campus Biotech, April 29, 2025, Geneva (Switzerland)

2025 **Best Oral Presentation for Junior Researcher** to Oliwia Majchrzak for *"Investigating lipid raft composition of extracellular vesicles secreted by triple-negative breast cancer and non-cancerous breast cells to develop an optimal cancer-targeting EV-mimetic formulation"* C. Lopes Silva, I. Meister, S. Tankov, J. Boccard, O. Jordan, P. Walker, S. Rudaz, G. Borchard, ISEV 2025 Annual Meeting, April 24-27, 2025, Vienna (Austria).

2024 **Best Poster Award for** *"Synergistic effects of the anti-cancer drugs erlotinib-HCl and tubacin in 3D cell model of kidney cancer with metabolomics and lipidomics"* M. Fiault, V. Mieville, Cédric Schelling, S. Rudaz, P. Nowak-Sliwinska, I. Meister, European PBA2024, September 9 – 12, 2024, Geneva (Switzerland)

2024 **Best Poster Award for** *"Metabolomics and lipidomics to characterize synergistic effects of the anti-cancer drugs erlotinib-HCl and tubacin in 3D cell model of kidney cancer"* M. Fiault, V. Mieville, C. Schelling, S. Rudaz, P. Nowak-Sliwinska, I. Meister, European RFMF 2024, June 3 - 6 2024, Saint-Malo (France)

2023 **Best Poster Award** for *"Metabolomic and lipidomic approaches in mindfulness-based intervention for health-care students",* I. Meister, S. Girel, I. Furlani, C. Holman, F. Jermann, J. Boccard, C. Piguet, S. Rudaz, Swiss Metabolomic Society, Annual meeting 2023, September 15, 2023, Zürich (Switzerland)

2023 **Best Poster Award** for *"Fast in-sample multiplexed quantification of endogenous metabolites associated with chronic kidney disease using liquid chromatography–mass spectrometry",* G. Visconti, M. de Figueiredo, O. Strassel, N. Vuilleumier, D. Jaques, B. Ponte, S. Rudaz, RDPA23, September 6-9, 2023, Novara (Italy)

2022 **Best Oral Presentation for Young Scientist** to William Bello *"Monitoring of potential endocrine disruptor plastic additives by UHPLC-HRMS in prefilled plastic packaging in a hospital setting",* W. Bello, J. Pezzatti, S. Rudaz, F. Sadeghipour, 25th European scientific days of GERPAC, 5-7 October 2022, Hyères (France)

2022 **Best Oral Presentation for Young Scientist to Gioele Visconti** *"A novel internal calibration approach for LC-MS/MS-based monitoring of chronic kidney disease related metabolite concentrations",* G. Visconti, P. Lescuyer, N. Vuilleumier, B. Ponte, S. Rudaz, 12th DA & 32nd PBA, 11-14 September 2022, Mons (Belgium)

2022 **Senior Scientific Price** *for his achievements and his involvement in the separative sciences community*. Association francophone des sciences séparatives (AFSEP) Analytics 2022, September 6-9, 2022 - Nantes (France)

2022 **Best Poster Award in Metabolomics** *"Advantages of absorption mode FT with full window apodization for Orbitrap-based metabolomic analysis, » to* S. Girel, K. Nagornov A. Kozhinov, Y. Tsybin, S. Rudaz, 38th International Symposium on Microscale Separations and Bioanalysis (MSB 2022), July 3-6, 2022 – Liège (Belgium)

2021 **Best presentation of my thesis in 180 seconds** to El Morabit L., *"From phenotype to AOP, a metabolomic approach for neurotoxicity"*, SCAHT – virtual retreat, December 14th 2021.

2021 **Best Oral Presentation** to O. Salamin *"Longitudinal evaluation of multiple biomarkers for the detection of testosterone gel administration in women with normal menstrual cycle"*, O. Salamin, R. Nicoli, T. Langer, J. Boccard, C. Schweizer Grundisch, Ch. Xu, S. Rudaz, N. Pitteloud, M. Saugy, T. Kuuranne, 39th Cologne Mandfred Donike Workshop on Dope analysis, March 22nd – April 16th

2020 **Runner-up Poster MSB 2020** "*Alternative quantification of endogenous steroids with one-point calibration"* G. Visconti, E. Olesti, V. González-Ruiz, S. Rudaz, 35th International Symposium on Microscale Separations and Bioanalysis (e-MSB 2020) September 27-30, 2020 (http:||www.msb2020.com|)

2020 **Young Scientist AFSEP Award** to E. Olesti *"Steroid profile in human seminal fluid: is it linked to sperm quality?"* S. Codesido, A. Garcia, R. Rahban, M. Rossier, J. Boccard, S. Nef, V. Gónzalez-Ruiz, S. Rudaz, 35th International Symposium on Microscale Separations and Bioanalysis (e-MSB 2020) September 27-30, 2020 (http:||www.msb2020.com|)

2020 **Best Oral Presentation 2nd price – Young Chemometrician Award** to S. Codesido *"Interpretable class prediction in metabolomics: Bayes meets PLS trees»* S. Codesido, J. Boccard, S. Rudaz, Chimiométrie 2020, Liège (Belgium)

2020 **Best Flash Communication Prize "***Biosource-guided network annotation and visualization for untargeted metabolomics"*, S. Codesido, V. González-Ruiz, E. Olesti, J. Boccard, S. Rudaz, European RFMF Metabomeeting 2020, January 22nd-24th 2020, Toulouse (France)

2019 **Best Poster Award** *"Open-source capillary electrophoresis device for quality control of medecines"* O. Vorlet, S. Roth, C. Rohrbasser, S. Rudaz P. Bonnabry, International Symposium on Electro- and Liquid Phase-separation Techniques (ITP) 2019 September 2-5, 2019, Toulouse (France)

2019 **Runner-up Best Oral Communication** to Young Researcher MSB 2019 *"Getting more information from less samples: a new algorithm for analysis of omics data in multifactorial experimental designs"* V. González-Ruiz, J. Pezzatti, F. Jeanneret, D. Tonoli, J. Sandström, F. Tschuddi-Monnet, J. Boccard, S. Rudaz, MSB 2019, March 25-27, 2019, Corvallis - Oregon (USA)

2018 **Best Poster Shimadzu Award** – "*Metabolomics in Chronic Kidney Disease: Toward a Better Understanding of Disease Progression and Hemodialysis"*, Y. Gagnebin, J. Pezzatti, P. Lescuyer, S. De Seigneux, J. Boccard, B. Ponte, S. Rudaz, 32nd Int. Symposium on Chromatography, ISC 2018, September 22-27, 2018, Cannes – Mandelieu (France)

2018 **Runner-up Poster MSB 2018** "*ROMANCE: Improving Data Exchange and Robustness in CE-MS Based Metabolomics*" V. González-Ruiz, Y. Gagnebin, N. Drouin, J. Pezzatti, J, Boccard, S. Rudaz, J. Schappler, 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)

2017 **Best presentation award, 1st prize. PBA 2017**. "*Chromatographic approaches for the characterization of cysteine conjugated antibody-drug conjugates"* B. Bobaly, G.M. Randazzo, S. Rudaz, J.-L. Veuthey, D. Guillarme, S. Fekete, 28th Pharmaceutical and Biomedical Analysis Conference, 2-5 July 2017, Madrid (Spain).

2017 **Prix 2017 de la Recherche Clinique**, Co-administration of ticagrelor and ritonavir: Towards prospective dose adjustment to maintain an optimal platelet inhibition using PBPK approach, N. Marsousi, C. Samer, P. Fontana, J.-L. Reny, S. Rudaz, J. Desmeules, Y. Daali, 10ème Edition des Journées de la Recherche Clinique, May 12th 2017, HUG, Genève (Switzerland)

2016 **Poster presentation, 1st price** "*Coadministration of ticagrelor and ritonavir: Toward prospective dose adjustment to maintain an optimal platelet inhibition using the PBPK approach"*, N. Marsousi, Y. Daali, P. Fontana, S. Rudaz, C. Samer, J. Desmeules, MedLem16 meeting, November 17th, 2016, Geneva (Switzerland)

2016 **Award for excellence in poster presentation Prize, 3rd price** (ex-aequo) "*Development of a low-cost analytical strategy for the detection of counterfeits and sub-standards medicines in emerging countries*", J. Schappler, E.A. Diop, E. Reginato, C. Rohrbasser, P. Bonnabry, S. Rudaz, 27th Int. Symposium on Pharma. and Biomedical Analysis, November 13th to 16th, 2016 Guangzhou (China)

2016 **Award for excellence in poster presentation Prize, 3rd price** (ex-aequo) "*Metabolomic analysis of urine samples by UHPLC-QTOF-MS: impact of normalization strategies*" Y. Gagnebin, D. Tonoli, P. Lescuyer, B. Ponte, S. De Seigneux, P-Y. Martin, J. Schappler, J. Boccard, S. Rudaz, 27th Int. Symposium on Pharm. and Biomedical Analysis, November 13th to 16th, 2016 Guangzhou (China)

2016 **Poster presentation 1st Prize** - Swiss Academy of Pharmaceutical Sciences – "*Low-cost capillary electrophoresis for counterfeits detection and sub-standard drugs quality control"* J. Schappler, E.A. Diop, E. Reginato, C. Rohrbasser, P. Bonnabry, S. Rudaz, 9th Swiss Pharma Science Day, August 31 2016, Bern (Switzerland)

2016 **Award for excellence in poster presentation Prize, 1st price** - Phytochemical Society of Europe, "*Detection and dynamics of volatile/non-volatile metabolite induction in fungal co-culture through a miniaturised MS-based metabolomic approach"*, A. Azzollini, L. Boggia, J. Boccard, B. Sgorbini, N. Lecoutre, P. Rubiolo, S. Rudaz, K. Gindro, C. Bicchi, J.-L. Wolfender, 9th Joint Natural Products July 24-27, 2016, Copenhagen, Denmark

2016 **Award for excellence in poster presentation, 1st price** « *Suivi longitudinal de stéroïdes endogènes dans le sérum humain par UHPLC-MS/MS comme outil de détection de l'usage de testostérone dans le sport* », F. Mehl, F. Ponzetto, R. Nicoli, N. Baume, M. Saugy, J. Boccard, S. Rudaz, XVII Chimiométrie, January 19-20, 2016, Namur (Belgium)

2015 **Best Poster Award** "*Screening of medicinal plants used in Senegal for Tuberculosis treatment: an innovative host-pathogen assay model"*, E. A. Diop, E. F. Queiroz, S. Kicka, D. Tahir, T. Soldati, S. Rudaz, J.-L. Wolfender, International IOCD Symposium, April 7 – 10 2015, Marrakech (Morocco),

2015 **Best poster Award** « *Développement d'un nouveau dispositif d'extraction électro-membranaire* » Congrès SEP 15 - Sciences séparatives et couplages. March 30 – April 2, 2015, Paris (France), N. Drouin, S. Rudaz, J. Schappler

2015 **Award for excellence in poster presentation, 1st price** « *Analyse métabolomique de l'urine : stratégies de normalisation en UHPLC-QTOF-MS* » Y. Gagnebin, J. Schappler, J. Boccard, S. Rudaz, XVI Chimiométrie, January 20-21, 2015, Geneva (Switzerland)

2013 **Best poster Award, 2nd price** « *Analyse métabolomique pour la recherche de biomarqueurs urinaires d'exposition à la dioxine chez l'Homme* », J. Boccard, F. Jeanneret, D. Tonoli, F. Badoud, O. Sorg, J.-H. Saurat, D. Hochstrasser, S. Rudaz Chimiométrie 2013, Brest (France)

2013 **Award for excellence in poster presentation** « *L'électrophorèse de zone appliquée à l'analyse d'anti-corps thérapeutiques* », A.-L. Gassner, S. Rudaz, J. Schappler SEP2013, Paris (France),

2012 **Method Development Olympics - Bronze Medal**, CoSMoS 2012, September 10-12, 2012 Providence, RI, USA, B. Debrus, A. Periat, A. Grand-Guillaume Perrenoud, S. Fekete, S. Rudaz, D. Guillarme

2012 **Award for excellence in oral presentation** to A.-L. Gassner, "*Contribution of CZE to the analysis of monoclonal antibody drugs"* SBCN 2012 Bordeaux (France) A.-L. Gassner, S. Rudaz, J. Schappler

2012 **Agilent Best Poster Award** "*Dispersive liquid-liquid microextraction combined with capillary electrophoresis and time- of-flight mass spectrometry for urine analysis"*, I. Kohler, J. Schappler, T. Sierro, J.-L. Veuthey, S. Rudaz MSB 2012, Geneva (Switzerland)

2011 **Award for excellence in oral presentation** to B. Debrus, "*Quality by Design-compliant automated method development and robustness in LC*", B. Debrus, P. Lebrun, B. Boulanger, Ph. Hubert, D. Guillarme, S. Rudaz Chimiométrie 2011, Marseille (France)

2011 **Best communication for spectroscopic techniques** to F. Mehl, Brucker 1st price « *Analyse multi-tableaux de données UHPLC-QTOF-MS, RMN et FT-MIR: application à la differentiation d'huile essentielle de citron* », F. Mehl, G. Marti, J. Boccard, L. Marcourt, B. Debrus, P. Merle, E. Delort, L. Barroux, H. Sommer, J.-L. Wolfender, S. Rudaz, Chimiométrie 2011, Marseille (France)

2011 **Award for excellence in poster presentation, 2nd price**, "*Profiling of endogenous steroids by UHPLC-QTOF-MSE*", F. Badoud, E. Grata, J. Boccard, S. Rudaz, J.-L. Veuthey, M. Saugy Congress on Steroid Research, Chicago (USA)

2011 **Award for excellence in oral presentation** to I. Kohler, "*Dispersive liquid-liquid microextraction combined with capillary electrophoresis and mass spectrometry for urine analysis"* I. Kohler, J. Schappler, T. Sierro, J.-L. Veuthey, S. Rudaz, Prix Club Jeunes Lyon (France

2010 **Award for excellence in poster presentation, 1st price** «*Analyse stéroïdomique dans l'urine par UHPLC-QTOF-MS pour le dépistage anti-dopage* » J. Boccard, F. Badoud, E. Grata, S.S. Ouertani, M. Hanafi, G. Mazerolles, P. Lantéri, J.-L. Veuthey, M. Saugy, S. Rudaz, Chimiométrie, Paris (France)

2010 **Young chemometrician 2010** awarded to S.S. Ouertani, « *Discrimination PLS en présence de données à trois entrées »* S.S. Ouertani, M. Hanafi, J. Boccard, S. Rudaz, Chimiométrie 2010, Paris (France)

2010 **Award for excellence, ccCTA,** "*Fast analysis of doping agents in urine by UHPLC-QTOF-MS and MS/MS"*, F. Badoud, E. Grata, L. Perrenoud, M. Saugy, S. Rudaz, J.-L. Veuthey, Fall Meeting 2010 (Les Diablerets, Switzerland

2009 **PARC 2009 (Pfizer Analytical Research Centre) Best Contribution Award, 1st prize** *"Development of an in-capillary method to nanoscale automated in vitro cytochromes P450 assays"* Innovations in pharmaceutical analysis, HPLC 2009 – 2009, Dresden (Germany), R. Nicoli, R. Curccio, S. Rudaz, J.-L. Veuthey

2008 **Prix SSSPH – Société académique des sciences pharmaceutiques Best Article in Pharmaceutical Sciences written in 2007** "*High-Throughput log P Determination by Ultra Performance Liquid Chromatography: A Convenient Tool for Medicinal Chemists"* Y. Henchoz, D. Guillarme, S. Rudaz, J.-L. Veuthey, P.-A. Carrupt

2008 **Swiss Society of Clinical Chemistry - Promotion Prize** to N. Ansermot "Quantification of Cyclosporine A in Peripheral Blood Mononuclear Cells by Liquid Chromatography-Electrospray Mass Spectrometry using a Column-Switching Approach" N. Ansermot, M. Fathi, J.-L. Veuthey, J. Desmeules J, D. Hochstrasser, S. Rudaz

2007 **PARC 2007 (Pfizer Analytical Research Centre) Best Contribution Awards, 2nd prize,** *"CZE and MEEKC coupled with APPI/MS for pharmaceutical applications"* J. Schappler, D. Guillarme, J. Prat, S. Rudaz, J.-L. Veuthey Innovations in pharmaceutical analysis HPLC 2007 – 31th International Symposium on High Performance Liquid Phase Separations and Related Techniques, June 17-21, Ghent (Belgium).

2007 **Dr. Max Lüthi Award** - Diploma of exceptional quality achieved in a chemistry department of a Swiss Technical School to L. Gremaud. "*Analyse de psychostimulants dans les fluides biologiques par CE-LIF*" (collaboration University of Applied Sciences - HES Fribourg) L. Gremaud, J. Schappler, J.-L. Veuthey, C. Rohrbasser, S. Rudaz, Swiss chemical Society, Fall Meeting 2007 (Lausanne, Switzerland)

2007 **Award for excellence in oral presentation** to D. Guillarme « Couplage de la µ-LC et µ-fast-LC avec le détecteur évaporatif à diffusion de la lumière: Mise au point et application à des échantillons pharmaceutiques » 1st price. D. Guillarme, C. Schelling, M. Dreux, S. Rudaz, J.L. Veuthey, Congrès SEP 07 - Sciences séparatives et couplages. March 20-23, 2007. Grenoble (France)

2006 **Prix Givaudan - Award for best research master** to L. Gremaud "*Analyse de psychostimulants dans les fluides biologiques par CE-LIF*" L. Gremaud, J. Schappler, J.-L. Veuthey, C. Rohrbasser, S. Rudaz University of Applied Sciences of Western Switzerland (Fribourg

2006 **Award for excellence in poster presentation, 1st price** Swiss chemical Society, Fall Meeting 2006 (Zurich, Switzerland) New trends in fast LC D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey

2006 **Prix SSSPH – Société académique des sciences pharmaceutiques Best Article** in Pharmaceutical Sciences written in 2005: "*Enhanced method performances for conventional and chiral CE-ESI/MS analyses in plasma* " J. Schappler, D. Guillarme, J. Prat, J.-L Veuthey, S. Rudaz Electrophoresis, 27 (2006) 1537 – 1546

2006 **Award for excellence in poster presentation, 3nd price «** *Justesse et précision des prélevements de faibles volumes »* I. De Giorgi, C. Fonzo-Christe, S. Rudaz, P. Bonnabry, 13ème journées franco-suisses de pharmacie hospitalière, March 16-17, 2006, Chalon sur Saone (France)

2005 **Award for excellence in poster presentation, 2nd price** « *Traitement et analyse d'échantillons plasmatiques en chromatographie liquide - spectrométrie de masse : étude des effets de suppression de signal* » SCBA 2005 – 1er symposium de chimie analytique, September 26-29, Montpellier (France) I. Marchi, M. Selman S. Rudaz, J.-L. Veuthey

2003 **Award for excellence in oral presentation** to Y. Ilias, "*Analysis of cannabis material by headspace solid-phase microextraction combined with gas chromatography-mass spectrometry*" Y. Ilias, P. Matthieu, S. Rudaz, P. Christen, J.-L. Veuthey SCS Fall Meeting 2003 (Lausanne, Switzerland).

2002 **Award for excellence in poster presentation, 1st price** "*Characterization of reversed-phase stationary phase for the analysis of basic compounds*" C. Stella, S. Rudaz, P. Seuret, J.-Y. Gauvrit, P. Lantéri, J.-L. Veuthey, Swiss Chemical Society, Fall meeting 2002, October 17, Basel (Switzerland)

2001 **Young researcher 1st Price** to S. Souverain (oral presentation) « *Nouveaux supports d'extraction en phase solide couplée à la LC/MS pour l'analyse rapide de substances pharmaceutiques dans les fluides biologiques* » S. Souverain, D. Ortelli, E. Varesio, S. Rudaz, J.-L. Veuthey, Congrès SEP 2001. Paris (France)

PUBLICATIONS – Research Papers and Review

390. **Characterization of residual kidney function in chronic hemodialysis patients using plasma metabolomics.** D. Jaques, J. Boccard, G. Visconti, O. Strassel, V. Jotterand, N. Marangon, P. Saudan, S. de Seigneux, B. Ponte, S. Rudaz, Scientific Reports 16 (2026) 11701
389. **Heterologous internal calibration for Multiplexed Internal Quantification in Targeted LC-MS/MS Bioanalysis,** O. Strassel, M. Feinberg, G. Visconti, J. Boccard, S. Rudaz, J. Pharm. Biomed. Anal. 277 (2026) 117487
388. **Simultaneous analysis of various anticancer drugs by supercritical fluid chromatography-mass spectrometry. Part II: Method validation and comparison with liquid chromatography,** V. Vallet, N. Nguyen, S. Rudaz, P. Bonnabry, D. Guillarme, S. Fleury-Souverain, J. Pharm. Biomed. Anal. 276 (2026) 117473
387. **Lipidomic profiling of extracellular vesicles from breast and metastatic triple-negative breast cancer cell lines for identification of potential biomarkers,** O. Majchrzak, C. Lopes Silva, S. Tankov, J. Boccard, S. Rudaz, O. Jordan, P. R. Walker, I. Meister, G. Borchard, European Journal of Pharmaceutical Sciences 221 (2016) 107514
386. **Assessing variable importance stability using resampling strategies to enhance model interpretability and reliability in metabolomics,** J. Boccard, S. Rudaz, Anal. Chim. Acta 1397 (2026) 345258
385. **Cannabis consumption is associated with altered steroid metabolism in young men,** M. Galmiche, I. Meister, F. Zufferey, M. F. Rossier, R. Rahban, A. Senn, S. Nef, J. Boccard, S. Rudaz, Communications Medecine 6 (2016) 224
384. **Two-Dimensional AEX – IP-RPLC: New Insights on mRNA Integrity and Encapsulation Efficiency of mRNA-Lipid Nanoparticle Formulations,** M. K. Aebischer, A. Tsalmpouris, S. Rudaz, C. Malburet, J.-F. Cotte, D. Guillarme, J. Maurer, Anal. Chim. Acta 1394 (2026) 345215
383. **Hormonal Changes in Professional Printers Exposed to Phthalates Suggesting Potential Disruption of the Hypothalamic–Pituitary–Gonadal Axis,** T.M. Nita, S. Wrobel, D. Vernez, H. Koch, P. Wild, F. Zufferey, S. Rudaz, L. Stenz, A. Odermatt, N.B. Hopf Environmental Research 291 (2026) 123477
382. **Applicability of wide-pore columns in reversed-phase liquid chromatography for human blood lipid profiling,** S. Girel, D. Guillarme, S. Rudaz, I. Meister, J. Chromatogr. Open 9 (2026) 100295
381. **Neurotoxicity of Propylene Glycol Butyl Ether: Multiomic Evidence from Human BrainSpheres,** D. Lopez-Rodriguez, D. Pamies, J. Boccard, I. Meister, M. Galmiche, T. Sajic, E. Maret, N. Héritier, M. Frangiamone, A. Thomas, N. B. Hopf, S. Rudaz, M.-G. Zurich, Environment International 205 (2025) 109852
380. **Identification of candidate blood biomarkers of recombinant human erythropoietin administration using targeted polar metabolomics by HILIC-MS/MS,** O. Salamin, L. Ramic, R. Nicoli, D. Guillarme, S. Rudaz, T. Kuuranne, Drug Testing and Analysis 17 (2025) 2323
379. **A proof of concept study on the use of online two-dimensional SEC-UV-RPLC-MS method for the multi-attribute characterization of gene therapy products,** M. Aebischer, S. Rudaz, D. Guillarme, Anal. Chim. Acta 1371 (2025) 344407
378. **D-cysteine inhibits iron-sulfur cluster assembly and impairs tumour growth,** J. Zangaria, O. Stehling, S. A. Freibert, F. Rouaud, V. Beinier, K. Maundrell, S. Montessuit, S. Ferre, E. Vartholomaiou, V. Schulz, K. Zuhra, V. Gonzalez Ruiz, S. Hanschke, T. Tsukamoto, C. Szabo, S. Rudaz, M. T. Boniecki, M. Cygler, R. Lill, J.-C. Martinou, Nature Metabolism 7 (2025) 1646
377. **Rapid detection and quantification of falsified Viagra using cloud-based portable NIR technology and machine learning,** H. Rais, P. Esseiva, O. Delémont, C. Schelling, S. Stanojevic, S. Rudaz, F. Coppey, J. Pharm. Biomed. Anal. 263 (2025) 116940

376. **Extended steroid profiling in human serum and plasma with simultaneous quantitative determination using one-point internal calibration.** M. Galmiche, O. Strassel, M.-A. Monat, I. Meister, J. Boccard, S. Rudaz, J. Sep. Science 48 (2025) 70147
375. **Integration of multifactorial omics data from several sources using multiblock methods,** M. de Figueiredo, S. Rudaz, J. Boccard, Chemometr. Intell. Lab., 262 (2025) 105403
374. **Simultaneous analysis of various anticancer drugs by supercritical fluid chromatography-mass spectrometry. Part I: Optimization of chromatographic separation,** N. Nguyen, D, Guillarme, S. Rudaz, P. Bonnabry, S. Fleury-Souverain, J. Pharm. Biomed. Anal. 231 (2025) 116838
373. **Trends in Pharmaceutical Analysis: The Evolving Role of Liquid Chromatography,** V. D'Atri, R. Barrientos, G. Losacco, S, Rudaz, A, Delobel, E. Regalado, D. Guillarme Anal. Chem 97 (2025) 5019
372. **Microflow liquid chromatography coupled to multinozzle electrospray ionization for improved lipidomics coverage of 3D clear cell renal cell carcinoma,** S. Girel, M. Galmiche, M. Fiault, V. Mieville, P. Nowak-Sliwinska, S. Rudaz, I. Meister, Anal. Chem 97 (2025) 5109
371. **Identification of lipid species signature in FOLFOXIRI-resistant colorectal cancer cells,** G. Ramzy, I. Meister, S. Rudaz, J. Boccard, P. Nowak-Sliwinska, Int. J. Mol. Sci. 26 (2025) 1169
370. **A critical opinion-based review of hospital pharmacy compounding with respect to the risk of leachable substances due to the off-label use of plastic primary packaging,** W. Bello, J. Pezzatti, C. Stampfli, L. Carrez, S. Rudaz, F. Sadeghipour, Therapeutic Advances in Drug Safety 16 (2025) 1 - 28
369. **Ion exchange chromatography of biopharmaceuticals: Fundamental principles and advanced approaches** M. Imiolek, S. Fekete, S. Rudaz, D. Guillarme, J. Chromatogr. A 1742 (2025) 465672
368. **Early detection of bacterial pneumonia by characteristic induced odor signatures,** K. Arnold, A. Gómez-Mejia, M. de Figueiredo, J. Boccard, K.D. Singh, S. Rudaz, P. Sinues, A. S. Zinkernagel BMC Infectious Diseases (2024) 24:1467
367. **Kernel-Based Bootstrap Synthetic Data to Estimate Measurement Uncertainty in Analytical Sciences,** M. Feinberg, S. Clemençon, S. Rudaz, J. Boccard, J. Chemometrics (2024) e3628
366. **Monitoring of leachable compounds in hospital pharmacy-compounded prefilled syringes, infusion bags and vials,** W. Bello, J. Pezzatti, S. Rudaz, F. Sadeghipour, J. Pharm. Science 113 (2024) 3227
365. **A novel ultra-high-performance supercritical fluid chromatography hyphenated to tandem mass spectrometry method for the analysis of urinary endogenous steroids in the anti-doping context,** T. Langer, R. Nicoli, D. Guillarme, C. Schweizer-Grundisch, S. Rudaz, S. Grabherr, T. Kuuranne, A. Musenga, J. Chromatogr. A (2024), 465224
364. **Substantial Benefits of an Inert Biphenyl column for the Analysis of Steroids and their Phase II Metabolites in Biological Samples,** M. Galmiche, M.-A. Monat, D. A. Lopez, C. Lamboley, P. Connolly, S. Girel, D. Guillarme, I. Meister, S. Rudaz J. Sep. Science 47 (2024) 2400436.
363. **Assessment of the potential risk of oteseconazole and two other tetrazole antifungals to inhibit adrenal steroidogenesis and peripheral metabolism of corticosteroids,** M.-C. Jäger, V. González-Ruiz, F.L. Joos, D. Winter, J. Boccard, T. Degenhardt, S. Brand, S. Rudaz, G. R. Thompson, A. Odermatt, Frontiers in Pharmacology (2024) DOI 10.3389/fphar.2024.1394846
362. **Hyphenation of microflow chromatography with electrospray ionization mass spectrometry for bioanalytical applications focusing on low molecular weight compounds: A tutorial review,** S.Girel, I. Meister, G. Glauser, S. Rudaz, Mass Spec Rev (2024) 1–22
361. **Fast neonicotinoid quantification in honey using the one-point internal calibration approach,** G. Visconti, M. de Figueiredo, J. Monnier, J. Shea, S. Rudaz, G. Glauser, Food Chemistry: X 23 (2024) 101565
360. **N -acetylglucosamine supplementation fails to bypass the critical acetylation of glucosamine-6-phosphate required for Toxoplasma gondii replication and invasion,** M. P. Alberione, V. González-Ruiz, O. von Rohr, S. Rudaz, D. Soldati-Favre, L. Izquierdo, J. Kloehn PLOS Pathogens 20 (2024) e1011979
359. **Assessment of the surface contamination of the primary packaging of oral antineoplastic drugs and secondary packaging of chemotherapy preparations at a Swiss hospital,** N. Nguyen, V. Vallet, L. Bouchoud, L. Falaschi, S. Rudaz, P. Bonnabry, S. Fleury-Souverain, J Oncol Pharm Practice (2024) 1–12
358. **Development of a generic sample preparation method by dispersive liquid–liquid microextractions for the monitoring of leachable compounds in hospital pharmacy-prepared prefilled drug products** W. Bello, J. Pezzatti, S. Rudaz, F Sadeghipour, Analytical Methods 16 (2024) 1697
357. **Comprehensive plasma steroidomics reveals subtle alterations of systemic steroid profile in patients at different stages of prostate cancer disease,** S. Girel, P.l A. Markin, E. Tobolkina, J. Boccard, N. E. Moskaleva, S Rudaz, S.A. Appolonova, Scientific Reports 14 (2024) 1577
356. **Activation of endogenous glucocorticoids by HSD11B1 inhibits the antitumor immune response in renal cancer,** H. Poinot, E. Dupuychaffray, G. Arnoux, M. Alvarez, J. Tachet, O. Ezzar, J. Moore, O. Bejuy, E. Olesti, G. Visconti, V. González-Ruiz, S. Rudaz, J.-C. Tille, C. D. Voegel, P. Nowak-Sliwinska, C. Bourquin, A. Pommier, Oncoimmunology 13 (2024) 2286820
355. **Metabolites in the regulatory risk assessment of pesticides in the EU,** O. Pelkonen, K. M. Abass, J. M. Parra Morte, M. Panzarea, E. Testai, S. Rudaz, J. Louisse, U. Gundert-Remy, G. Wolterink, J. Dorne, Sa. Coecke, C. Bernasconi Frontiers in Toxicology (2024) 1304885

354. **Multitargeted internal calibration for the quantification of chronic kidney disease related endogenous metabolites using liquid chromatography–mass spectrometry,** G. Visconti, M. de Figueiredo, O. Strassel, J. Boccard, N. Vuilleumier, D. Jaques, B. Ponte, S. Rudaz Anal. Chem. 95 (2023) 13546-13554
353. **Development of a generic approach for monitoring leachable compounds in hospital-prepared prefilled plastic packaging by ultrahigh-performance liquid chromatography coupled to high-resolution mass spectrometry with postcolumn infusion,** W. Bello, J. Pezzatti, S. Rudaz, F. Sadeghipour, J. Pharm. Biomed. Anal. 236 (2023) 115640
352. **Targeted metabolomic profiling as a tool for diagnostics of patients with non-small-cell lung cancer** K. M. Shestakova, N. E. Moskaleva, A. A. Boldin, P. M. Rezvanov, A. V. Shestopalov, S. A. Rumyantsev, Y. Simonov, S. N. Baskhanova, M. I. Sekacheva, E. Tobolkina, S. Rudaz, S. A. Appolonova, Scientific Reports 13 (2023) 11072
351. **Bringing CE-MS into the regulatory toxicology toolbox: application to neuroinflammation screening** E. Tobolkina, D. Pamies, M.-G. Zurich, S. Rudaz, V. González-Ruiz, Microchemical Journal 193 (2023) 109048
350. **Straightforward quantification of endogenous steroids with liquid chromatography–tandem mass spectrometry: comparing calibration approaches,** G. Visconti, M. de Figueiredo, O. Salamin, J. Boccard, N. Vuilleumier, R. Nicoli, T. Kuuranne, S. Rudaz J. Chromatogr. B 1226 (2023) 123778
349. **A new multimodal paradigm for biomarkers longitudinal monitoring: a clinical application to women steroid profiles in urine and blood,** M. de Figueiredo, J. Saugy, M. Saugy, R. Faiss, O. Salamin, R. Nicoli, T. Kuuranne, S. Rudaz, F. Botrè, J. Boccard Anal. Chim. Acta 1267 (2023) 341389
348. **Low-polarity untargeted metabolomic profiling as a tool to gain insight into seminal fluid,** E. Olesti, J. Boccard, R. Rahban, S. Girel, N. E. Moskaleva, F. Zufferey, M. F. Rossier, S. Nef, S. Rudaz, V. González-Ruiz Metabolomics 19 (2023) 53
347. **A unified strategy to rebalance multifactorial designs with unequal group sizes: application to analysis of variance multiblock orthogonal partial least squares,** M. de Figueiredo, S. Rudaz, J. Boccard Anal. Chim. Acta 1263 (2023) 341284 DOI 10.1016/j.aca.2023.341284
346. **Investigation of several chromatographic approaches for untargeted profiling of central carbon metabolism,** S. Girel, D. Guillarme, S. Fekete, V. González-Ruiz, S. Rudaz J. Chromatogr. A (2023) 463994
345. **Extended steroid profiling in H295R cells provides deeper insight into chemical-induced disturbances of steroidogenesis: exemplified by prochloraz and anabolic steroids,** M.-C. Jäger, M. Patt, V. González-Ruiz, J. Boccard, Tim Wey, D.V. Winter, S. Rudaz, A. Odermatt Mol Cell Endocrinol 570 (2023) 111929
344. **Gonadotropin axis and semen quality in young Swiss men consuming cannabis: Effect of chronicity and modulation by cannabidiol.** F. Zufferey, E. Buitrago, R. Rahban, A. Senn, E. Stettler, S. Rudaz, S. Nef, N. Donzé, A. Thomas, M. Rossier, Endocrinology (2023) 1–12. DOI 10.1111/andr.13440
343. **Why do we need to go beyond overall variability assessment in metabolomics?** J. Boccard, S. Rudaz Frontiers in Analytical Science, section Omics (2023) DOI 10.3389/frans.2023.1112390
342. **From fundamentals in calibration to modern methodologies: A tutorial for small molecules quantification in liquid chromatography–mass spectrometry bioanalysis,** G. Visconti, J. Boccard, M. Feinberg, S. Rudaz, Anal. Chim. Acta 1240 (2023) 3407711
341. **Target metabolome profiling-based machine learning as a diagnostic approach for cardiovascular diseases in adults,** N. E. Moskaleva, K. M. Shestakova, A. V. Kukharenko, P. A. Markin, M. V. Kozhevnikova, E. O. Korobkova, A. Brito, S. N. Baskhanova, N. V. Mesonzhnik, Y. N. Belenkov, N. V. Pyatigorskaya, E. Tobolkina *, S. Rudaz, S. A. Appolonova, Metabolites 12 (2022) 1185
340. **Oxidative stress and extracellular matrix remodeling are signature pathways of extracellular vesicles released upon morphine exposure on human brain microvascular endothelial cells,** T. Vujic, D. Schvartz, I. L. Furlani, I. Meister, V. González-Ruiz, S. Rudaz, J.-C. Sanchez, Cells 11 (2022) 3926
339. **Digoxin induces human astrocyte reaction in vitro,** D. Pamies, T. Vujic, D. Schvartz, J. Boccard, C. Repond, C. Nunes, S. Rudaz, J.-C. Sanchez, V. González-Ruiz, M.-G. Zurich, Molecular Neurobiology (2022) doi: 10.1007/s12035-022-03057-1
338. **Development and application of a liquid chromatography coupled to mass spectrometry method for the simultaneous determination of 23 antineoplastic drugs at trace levels,** S. Fleury-Souverain, J. Maurin, D. Guillarme, S. Rudaz, P. Bonnabry, J. Pharm. Biomed. Anal. 221 (2022) 115034
337. **Teg58, a Small Regulatory RNA, is Involved in regulating Arginine Biosynthesis and Biofilm Formation in Staphylococcus aureus,** A. C. Mannaa, S. Leob, S. Girel, V. González-Ruiz, S. Rudaz, P. Francois, A. L. Cheunga, Scientific Reports (2022) 12:14963
336. **Efficiently handling high-dimensional data from multifactorial designs with unequal group sizes using Rebalanced ASCA (RASCA)** M. de Figueiredo, S. Giannoukos, S. Rudaz, R. Zenobi, J. Boccard, J. Chemometrics (2022) e3401.
335. **Psychological distress and well-being among students of health disciplines in Geneva, Switzerland: the importance of academic satisfaction in the context of academic year-end and COVID-19 stress on their learning experience,** N. T. Tran, J. Franzen, F. Jermann, S. Rudaz, G. Bondolfi, P. Ghisletta, PLoS ONE (2022) 17(4): e0266612

334. **Challenges in ESI-MS based untargeted metabolomics,** E. Tobolkina, V. González-Ruiz, I. Meister, M. de Figueiredo, D. Guillarme, J. Boccard, S. Rudaz, Chimia 76 (2022) 90 - 100
333. **Separation and determination of cysteine enantiomers in plasma after derivatization with 4-fluoro-7-nitrobenzofurazan,** S. Ferré, V. González-Ruiz, J. Zangari, S. Girel, J.-C. Martinou, R. Sardella, S. Rudaz, J. Pharm. Biomed. Anal. 209 (2022) 114539
332. **Internal calibration as an emerging approach for endogenous analyte quantification: application to steroids** G. Visconti, E. Olesti, V. González-Ruiz, G. Glauser, D. Tonoli, P. Lescuyer, N. Vuilleumier, S. Rudaz Talanta 240 (2022) 123149
331. **Scientific Opinion of the Scientific Panel on Plant Protection Products and their Residues (PPR Panel) on testing and interpretation of comparative in vitro metabolism studies,** A.F. Hernandez-Jerez, P. Adriaanse, A. Aldrich, P. Berny, T. Coja, S. Duquesne, A. Focks, M. Marinovich, M. Millet, O. Pelkonen, S. Pieper, A. Tiktak, C. J. Topping, A. Widenfalk, M. Wilks, G. Wolterink, U. Gundert-Remy, J. Louisse, S. Rudaz, E. Testai, A. Lostia, J.-L. Dorne, J. M. Parra Morte, EFSA Journal 19 (2021) 6970
330. **Progress Towards an OECD Reporting Framework for Transcriptomics and Metabolomics in Regulatory Toxicology,** J.A. Harrill, M.R. Viant, C.L. Yauk, M. Sachana, T.W. Gant, S.S. Auerbach, R.D. Beger, M. Bouhifd, J. O'Brien, L. Burgoon, F. Caiment, D. Carpi, T. Chen, B.N. Chorley, J. Colbourne, R. Corvi, L. Debrauwer, C. O'Donovan, T. Ebbels, D. Ekman, F. Faulhammer, L. Gribaldo, G. Hilton, S. Jones, A. Kende, T. Lawson, S. Leite, P. Leonards, M. Luijten, A. Martin, L. Moussa, S. Rudaz, O. Schmitz, T. Sobanski, V. Strauss, M. Vaccari, V. Vijay, R. Weber, A. J. Williams, A. Williams, R. S. Thomas, M. Whelan, Regulatory Toxicology and Pharmacology 125 (2021) 105020
329. **Steroid profiling by UHPLC-MS|MS in dried blood spots collected from healthy women with and without testosterone gel administration,** O. Salamin, R. Nicoli, C. Xu, J. Boccard, S. Rudaz, N. Pitteloud, M. Saugy, T. Kuuranne, J. Pharm. Biomed. Anal. 204 (2021) 114280
328. **New insights into the conversion of electropherograms to the effective electrophoretic mobility scale,** S. Codesido, N. Drouin, S. Ferre, J. Schappler, S. Rudaz, V. González-Ruiz, Electrophoresis 42 (2021) 1875
327. **Ion mobility-high resolution mass spectrometry in doping control analysis. Part II: Comparison of acquisition modes with and without ion mobility.** K. Plachka, J. Pezzatti, A. Musenga, R. Nicoli, T. Kuuranne, S. Rudaz, L. Novakova, D. Guillarme, Analytica Chimica Acta 1175 (2021) 338739
326. **CE instruments for medical application and falsified drug analysis| quality control in developing countries,** E. Tobolkina and S. Rudaz, Anal. Chem. 93 (2021) 8107−8115
325. **Gaining insights into metabolic networks using chemometrics and bioinformatics: chronic kidney disease as a clinical model,** J. Boccard, D. Schvartz, S. Codesido, M. Hanafi, Y. Gagnebin, B. Ponte, F. Jourdan, S. Rudaz, Frontiers in Molecular Biosciences 8 (2021) 682559
324. **Neuroinflammatory response to TNFa and IL1b cytokines is accompanied by an increase of glycolysis in human astrocytes in vitro,** D. Pamies, C. Sartori, D. Schvartz, V. González-Ruiz, L. Pellerin, C. Nunes, D. Tavel, V. Maillard, J. Boccard, S. Rudaz, J.-C. Sanchez, M.-G. Zurich, Int. J. Mol. Sci. 22 (2021) 4065
323. **Longitudinal evaluation of multiple biomarkers for the detection of testosterone gel administration in women with normal menstrual cycle,** O. Salamin, R. Nicoli, T. Langer, J. Boccard, C. Schweizer Grundisch, Ch. Xu, S. Rudaz, N. Pitteloud, M. Saugy, T. Kuuranne, Drug Testing Analysis (2021) 1-18
322. **Psychological Distress and Well-Being among Students of Health Disciplines: The Importance of Academic Satisfaction,** J. Franzen, F. Jermann, P. Ghisletta, S. Rudaz, G. Bondolfi, N. T. Tran, Int. J. Environ. Res. Public Health (2021), 18, 2151.
321. **Evaluation of a nanoflow interface based on the triple-tube coaxial sheath-flow speayer,** S. Ferré, N. Drouin, V. González-Ruiz, S. Rudaz, J. Chromatogr. A 1641 (2021) 461982
320. **Ion mobility - high resolution mass spectrometry in anti-doping analysis. Part I: Implementation of a screening method with the assessment of a library of substances prohibited in sports,** K. Plachka, J. Pezzatti, A. Musenga, R. Nicoli, T. Kuuranne; S. Rudaz, L. Novakova, D. Guillarme, Anal. Chim. Acta 1152 (2021) 338257
319. **Approaches in metabolomics for regulatory toxicology applications,** E. Olesti, V. González-Ruiz, M. F. Wilks, J. Boccard, S. Rudaz, The Analyst, 146 (2021) 1820 - 1834
318. **From a single steroid to the steroidome: trends and analytical challenges**, E. Olesti, J. Boccard, G. Visconti, V. González-Ruiz, S. Rudaz, J. Steroid Biochem. Mol. Bio. 206 (2021) 105797
317. **Determination of antiretroviral drugs for buyers' club in Switzerland using capillary electrophoresis methods,** N. Guichard, E. Tobolkina, L. El Morabit, P. Bonnabry, N. Vernaz, S. Rudaz, Electrophoresis 42 (2021) 708 - 718
316. **Wipe sampling procedure optimization for the determination of 23 antineoplastic drugs used in hospital pharmacy,** N. Guichard, J. Boccard, S. Rudaz, P. Bonnabry, S. Fleury-Souverain, Eur. J. Hosp. Pharm. 28 (2021) 94 - 99
315. **Respiratory tissue-associated commensal bacteria offer therapeutic potential against pneumococcal colonization,** S. Yildiz, M. Berge, V. González-Ruiz, D. Baud, I. Boal-Carvalho, J.P. Lopes, J. Klöhn, L. Hathaway, S. Rudaz, P. Viollier, S. Hapfelmeier, P. Francois, M. Schmolke, eLife (2020) 9:e53581.
314. **Evaluation of Different Tandem MS|MS Acquisition Modes to Support Metabolite Annotation in Human Plasma Using Ultra High-Performance Liquid Chromatography High-Resolution Mass**

Spectrometry for Untargeted Metabolomics, J. Pezzatti, V. González-Ruiz, J. Boccard, D. Guillarme, S. Rudaz, Metabolites 10 (2020) 464

313. **Buyers' club: an alternative for access to treatment?** V. Borcic, A. Calmy, S. Hurst, Y. Jackson, F. Negro, A. Perrier, H. Wolff, L. Getaz, A.-C. Bréchet, P. Valladores, S. Rudaz, N. Vernaz, Revue Médicale Suisse (2020)16, 2228-31
312. **Network principal component analysis: a versatile tool for the investigation of multigroup and multiblock datasets,** S. Codesido, M. Hanafi, Y. Gagnebin, V. González-Ruiz, S. Rudaz, J. Boccard, Bioinformatics (2020) doi: 10.1093|bioinformatics|btaa954
311. **Exploring Blood Alteration in chronic Kidney Disease and Haemodialysis using Metabolomics.** Y. Gagnebin, D. Jaques, S. Rudaz, S. de Seigneux, J. Boccard, B. Ponte, Scientific Reports, 10 (2020) 19502
310. **Capillary electrophoresis-Mass spectrometry at Trial by Metabo-ring: Effective electrophoretic mobility for Reproducible and Robust Compound Annotation,** N. Drouin, M. Van Mever, W. Zhang, E. Tobolkina, S. Ferre, A.-C. Servais, M.-J. Gou, L. Nyssen, M. Fillet, G. S. M. Lageveen-Kammeijer, J. Nouta, A.J. Chetwynd, I. Lynch, J. A. Thorn, J. Meixner, C Loessner, M. Taverna, S. Liu, N. T. Tran, Y. Francois, A. Lechner, R. Nehmé, G. Al Hamoui Dit Banni, R. Nasreddine, C. Colas, H. H. Lindner, K. Faserl, C. Neusüß, M. Nelke, St. Laemmerer, C. Perrin, C. Bich, C. Barbas, Á. López-Gonzálvez, A. Guttman, M. Szigeti, P. Britz-McKibbin, Z. Kroezen, M.Shanmuganathan, P. Nemes, E. P. Portero, T. Hankemeier, S. Codesido, V.González-Ruiz, S. Rudaz, R. Ramautar, Anal.Chem. (2020) 92, 14103−14112
309. **Is pain temporary and glory for ever? Detection of tramadol using dried blood spot in cycling competitions,** O. Salamin, A. Garcia, V. González-Ruiz, F. Rossi, X. Bigard, J. Déglon, Y. Daali, R. Faiss, M. Saugy, S. Rudaz, Drug Testing Analysis (2020) 12, 1649 - 1657
308. **Evaluation of ion mobility in capillary electrophoresis coupled to mass spectrometry for identification in metabolomics.** N. Drouin, A. Mielcarek, C. Wenz, S. Rudaz, Electrophoresis 42 (2021) 342-349
307. **Development and validation of an UHPLC-MS|MS method for extended serum steroid profiling in female populations,** O. Salamin, F. Ponzetto, J. Boccard, S. Rudaz, M. Saugy, T. Kuuranne, R. Nicoli, Bioanalysis (2020) 12, 753-768
306. **Comprehensive examination of the mouse lung metabolome following Mycobacterium tuberculosis infection using a multiplatform mass spectrometry approach,** M. Fernández-García, F. Rey-Stolle, J. Boccard, V. Reddy, A. García, B. Cumming, A. Steyn, S. Rudaz, C. Barbas, J. Proteome Res. (2020) 19, 2053 - 2070
305. **An inter-laboratory and inter-platform study of steroids collision cross section by traveling wave ion mobility spectrometry,** M. Hernández-Mesa, V. D'Atri, G. Barknowitz, M. Fanuel, J. Pezzatti, N. Dreolin, D. Ropartz, F. Monteau, E. Vigneau, S. Rudaz, S. Stead, H. Rogniaux, D. Guillarme, G. Dervilly, B. Le Bizec, Anal. Chem. (2020), 92, 5013-5022.
304. **Semen endocannabinoids are correlated to sperm quality in a cohort of 200 young Swiss men,** F. Zufferey, N. Donzé, R. Rahban, A. Senn, E. Stettler, S. Rudaz, S. Nef, M. Rossier, Andrology (2020), 8, 1126-1135
303. **Applicability of supercritical fluid chromatography - mass spectrometry to metabolomics. II - Assessment of a comprehensive library of metabolites and evaluation of biological matrices.** Gi. L. Losacco, O. H Ismail, J. Pezzatti; V. González-Ruiz; J. Boccard, S. Rudaz, J.-L. Veuthey, D. Guillarme, J. Chromatogr. A 1616 (2020) 460780
302. **Bacterial cell cycle control by citrate synthase independent of enzymatic activity,** M. Bergé, J. Pezzatti, V. González-Ruiz, L. Degeorges, S. Rudaz, P. H. Viollier, eLife (2020) e52272
301. **Profiling of anabolic androgenic steroids and selective androgen receptor modulators for interference with adrenal steroidogenesis,** M. Patt, K. R. Beck, T. Di Marco, M.-C. Jäger, V. González-Ruiz, J. Boccard, S. Rudaz, R.W. Hartmann, M. Salah, C.J. van Koppen, M. Grill, A. Odermatt, Biochem Pharmacol. 172 (2020) 113781
300. **Optimized one-pot derivatization and enantioseparation of cysteine: application to the study of a dietary supplement,** L. Pucciarini, S. Rudaz, A. Macchiarulo, A. Carotti, R. Galarini, R. Sardella, J. Pharm. Biomed. Anal. 180 (2020) 113066
299. **Implementation of liquid chromatography-high resolution mass spectrometry methods for untargeted metabolomic analyses of biological samples: a tutorial,** J. Pezzatti, J. Boccard, S. Codesido Sanchez, Y. Gagnebin, A. Joshi, D. Picard, V. González-Ruiz, S. Rudaz, Anal. Chim. Acta 1105 (2020) 28e44
298. **Electromembrane extraction of highly polar compounds: analysis of cardiovascular biomarkers in plasma,** N. Drouin, T. Kloots, J. Schappler, S. Rudaz, I. Kohler, A. Harms, P. W. Lindenburg, T. Hankemeier, Metabolites 10 (2020) 4
297. **Supercritical Fluid Chromatography - Mass Spectrometry in routine anti-doping analyses: estimation of retention time variability under reproducible conditions,** G. Losacco; E. Marconetto, R. Nicoli, T. Kuuranne, J. Boccard, S. Rudaz, J.-L. Veuthey, D. Guillarme, J. Chromatogr. A 1616 (2020) 460780
296. **Steroid profile analysis by LC-HRMS in human seminal fluid,** E. Olesti, A. Garcia, R. Rahban, M. Rossier, J. Boccard, S. Nef, V. González-Ruiz, S. Rudaz, J. Chromatogr. B 1136 (2020) 121929

295. **Combining the advantages of multilevel and orthogonal partial least squares data analysis for longitudinal metabolomics: application to kidney transplantation,** Y. Gagnebin, J. Pezzatti, P. Lescuyer, J. Boccard, B. Ponte, S. Rudaz, Anal. Chim. Acta 1099 (2020) 26 - 38
294. **Development and validation of a chiral UHPLC-MS method for the analysis of cysteine enantiomers in biological samples,** L. Pucciarini, V. González-Ruiz, J. Zangari, J.-C. Martinou, B. Natalini, R. Sardella, S. Rudaz, J. Pharm. Biomed. Anal. 177 (2020) 112841.
293. **Choosing an optimal sample preparation in Caulobacter crescentus for untargeted metabolomics approaches,** J. Pezzatti, M. Bergé, J. Boccard, S. Codesido, Y. Gagnebin, P. H. Viollier, V. González-Ruiz, S. Rudaz, Metabolites 9 (2019) 193
292. **Analytical strategies for the determination of amino acids: past, present and future trends (Review),** S. Ferre, V. González-Ruiz, D. Guillarme, S. Rudaz, J. Chromatogr. B 1132 (2019) 121819
291. **Quantitative CE analysis of punicalagin in Combretum aculeatum extracts traditionally used in Senegal for the treatment of tuberculosis,** E. A. Diop, J. Jacquat, N. Drouin, E. Ferreira Queiroz, J.-L. Wolfender, T. Diop, J. Schappler, S. Rudaz, Electrophoresis 40 (2019) 2920 - 2827
290. **Impact of particle size gradients on the apparent efficiency of chromatographic columns,** S. Codesido, S. Rudaz, J.-L. Veuthey, D. Guillarme, G. Desmet, S. Fekete, J. Chromatogr. A 1603 (2019) 208 - 215
289. **Protein pathway analysis to study development-dependent effects of acute and repeated Trimethyltin (TMT) treatments in 3D rat brain cell cultures.** D. Schvartz, V. González-Ruiz, N. Walter, P. Antinori, F. Jeanneret, D. Tonoli, J. Boccard, M.-G. Zurich, S. Rudaz, F. Monnet-Tschudi, J. Sandström, J.-C. Sanchez, Toxicology in Vitro 60 (2019) 281–292
288. **Steroidomics for highlighting novel serum biomarkers of testosterone doping,** F. Ponzetto, J. Boccard, R. Nicoli, T. Kuuranne, M. Saugy, S. Rudaz, Bionanalysis 11 (2019) 1171-1188
287. **DynaStI: a dynamic retention time database for steroidomics,** S. Codesido, G. M. Randazzo, F. Lehmann, V. González-Ruiz, A. García, I. Xenarios, R. Liechti, A. Bridge, J. Boccard, S. Rudaz, Metabolites 9 (2019) 85
286. **A multi-omics approach to study phenotypic response in rat neural 3D tissues resulting from trimethyltin exposure,** V. González-Ruiz, D. Schvartz, J. Sandström, J. Pezzatti, F. Jeanneret, D. Tonoli, J. Boccard, F. Monnet-Tschudi, J.-C. Sanchez, S. Rudaz, Metabolites 9 (2019) 79
285. **Validation and uncertainty estimation for trace amounts determination of 25 drugs used in hospital chemotherapy compounding units.** N. Guichard, S. Rudaz, P. Bonnabry, S. Fleury-Souverain, J. Pharm. Biomed. Anal. 172 (2019) 139–148
284. **Toward a better understanding of chronic kidney disease with complementary chromatographic methods hyphenated with mass spectrometry for improved polar metabolome coverage.** Y. Gagnebin, J. Pezzatti, P. Lescuyer, J. Boccard, B. Ponte, S. Rudaz, J. Chromatogr. B 1116 (2019) 9 - 18
283. **Antimycobacterial activity in a single-cell infection assay of ellagitannins from Combretum aculeatum and their bioavailable metabolites,** E.A. Diop, E.F. Queiroz, L. Marcourt, S. Kicka, S. Rudaz, T. Diop, T. Soldati T, J.-L. Wolfender, J. Ethnopharmacol. 238 (2019) 111832
282. **Liquid Chromatography-Tandem Mass Spectrometry Method for Ticagrelor and its Active Metabolite Determination in Human Plasma: Application to a Pharmacokinetic Study,** N. Marsousi, S. Rudaz, J. Desmeules, Y. Daali, Current Analytical Chemistry, 15 (2019) 1 - 7
281. **Long Term Stability of Ganciclovir in Polypropylene Containers at Room Temperature,** N. Guichard, P. Bonnabry, S. Rudaz, S. Fleury-Souverain, J. Oncology Pharmacy Practice 25 (2019) 303-308
280. **A scoring approach for multi-platform acquisition in metabolomics,** J. Pezzatti, V. González-Ruiz, S. Codesido Sanchez, Y. Gagnebin, A. Joshi, D. Guillarme, J. Schappler, D. Picard, J. Boccard, S. Rudaz, J. Chromatogr. A 1592 (2019) 47 - 54
279. **Apparent efficiency of serially coupled columns in gradient elution liquid chromatography; extension to the combination of any column formats,** S. Codesido, S. Rudaz, D. Guillarme, K. Horvath, S. Fekete, J. Chromatogr. A 1588 (2019) 159 - 162
278. **Toxic doses of caffeine are needed to increase skeletal muscle contractility,** D. Neyroud, A. Cheng, C. Donnelly, N. Bourdillon, A.-L. Gassner, L. Geiser, S. Rudaz, B. Kayser, H. Westerblad, N. Place, Am J Physiol Cell Physiol 316 (2019) C246–C251
277. **Removal of batch effects using stratified subsampling of metabolomic data for in vitro endocrine disruptors screening,** J. Boccard, D. Tonoli, P. Strajhar, F. Jeanneret, A. Odermatt, S. Rudaz, Talanta 105 (2019) 77 - 86
276. **Electromembrane extraction: overview of the last decade (Review)** N. Drouin, P. Kubáň, S. Rudaz, S. Pedersen-Bjergaard, J. Schappler, TRAC 113 (2019) 357 - 363
275. **Metabolomics in chronic kidney disease strategies for extended metabolome coverage (Review).** Y. Gagnebin, J. Boccard, B. Ponte, S. Rudaz, J. Pharm. Biomed. Anal. 161 (2018) 313 - 325
274. **Apparent efficiency of serially coupled columns in isocratic and gradient elution modes,** S. Fekete, S. Codesido, S. Rudaz, D. Guillarme, K. Horváth, J. Chromatogr. A 1571 (2018) 121–131
273. **Facile Synthesis, Size-Separation, Characterization, and Antimicrobial Properties of Thiolated Copper Clusters,** A. Baghdasaryan, R. Grillo, B. Roy, M. Sharma, Manish; E. Reginnatto, H. Theraulaz, I. Dolamic, M. Dadras, S. Rudaz, E. Varesio, T. Burgi, ACS Applied Nano Materials 1 (2018) 4258-4267

272. **New supported liquid membrane for electromembrane extraction of polar basic endogenous metabolites,** N. Drouin, S. Rudaz, J. Schappler, J. Pharm. Biomed. Anal. 159 (2018) 53-59
271. **Applicability of supercritical fluid chromatography – Mass spectrometry to metabolomics. I – Optimization of separation conditions for the simultaneous analysis of hydrophilic and lipophilic substances,** V. Desfontaine, L. Losacco, Y. Gagnebin, J. Pezzatti, W. P. Farrell, V. González-Ruiz, S. Rudaz, J.-L. Veuthey, D. Guillarme, J. Chromatogr. A 1562 (2018) 96–107
270. **Effective mobility as a robust criterion for compound annotation and identification in metabolomics: toward a mobility-based library,** N. Drouin, J. Pezzatti, Y. Gagnebin, V. Gonzalez-Ruiz, J. Schappler, S. Rudaz, Anal. Chim. Acta 1032 (2018) 178 - 187
269. **From Method Validation to Result Assessment: Established Facts and Pending Questions (Review),** S. Rudaz & M. Feinberg, Trends in Analytical Chemistry TRAC 105 (2018) 68 - 74
268. **Implementation of a generic liquid chromatographic method development workflow: application to the analysis of phytocannabinoids and Cannabis sativa extracts,** S. Fekete, V. Sadat-Noorbakhsh, C. Schelling, I. Molnar, D. Guillarme, S. Rudaz, J.-L. Veuthey, J. Pharm. Biomed. Anal. 155 (2018) 116 - 124
267. **Steroid profiles in both blood serum and seminal plasma are not correlated and do not reflect sperm quality: study on the male reproductive health of fifty young Swiss men.** F. Zufferey, R. Rahban, A. Garcia, Y. Gagnebin, J. Boccard, D. Tonoli, F. Jeanneret, E. Stettler, A. Senn, S. Nef, S. Rudaz, M. F. Rossier, Clinical Biochemistry 62 (2018) 39 - 46
266. **Determination of 16 antineoplastic drugs by capillary electrophoresis with UV detection: applications in quality control,** N. Guichard, M. Ogereau, L. Falaschi, S. Rudaz, J. Schappler, P. Bonnabry, S. Fleury-Souverain, Electrophoresis 39 (2018) 2512–2520
265. **Impact of boosted antiretroviral therapy on the pharmacokinetics and efficacy of clopidogrel and prasugrel active metabolites,** N. Marsousi, Y. Daali, P. Fontana, J.-L. Reny, V. Ancrenaz, A. Calmy, T. D. Lecompte, O. N. Tshikung, S. Rudaz, J. A. Desmeules, C. F. Samer, Clinical Pharmacokinetics 57 (2018) 1347-1354
264. **Survey on medicinal plants traditionally used in Senegal for the treatment of tuberculosis (TB) and assessment of their antimycobacterial activity,** E.A. Diop, E.F. Queiroz, S. Kicka, S. Rudaz, T. Diop, T. Soldati T, J.-L. Wolfender, J. Ethnopharmacol. 216 (2018) 71-78
263. **Dynamics of metabolite induction in fungal co-cultures by metabolomics at both volatile and non-volatile levels,** A. Azzollini, L. Boggia, J. Boccard, B. Sgorbini, N. Lecoultre, P.-M. Allard, P. Rubiolo, S. Rudaz, K. Gindro, C. Bicchi, J.-L. Wolfender, Frontiers in Microbiology 9 (2018) 72 - 82
262. **ROMANCE: a new software tool to improve data robustness and feature identification in CE-MS metabolomics,** V. González-Ruiz, Y. Gagnebin, N. Drouin, J. Pezzatti, J, Boccard, S. Rudaz, J. Schappler, Electrophoresis 39 (2018) 1222 - 1232
261. **Sample preparation for polar metabolites in bioanalysis (Review),** N. Drouin, S. Rudaz, J. Schappler, The Analyst 143 (2018) 16 - 20
260. **Prediction of drug-drug interactions using physiologically-based pharmacokinetic models of CYP450 modulators included in Simcyp software,** N. Marsousi, S. Rudaz, J. Desmeules, Y. Daali, Biopharm Drug Dispos 39 (2018) 3 - 17
259. **Evolution in the design of a low sheath-flow interface for CE-MS and application to biological samples** V. González-Ruiz, S. Codesido, S. Rudaz, J. Schappler, Electrophoresis 39 (2018) 853-861
258. **Stability of busulfan solutions in polypropylene syringes and infusion bags as determined with an original assay,** N. Guichard, P. Bonnabry, S. Rudaz, S. Fleury-Souverain, Am. J. Health-System Pharm. 74 (2017) 1887-1894
257. **Unravelling the effects of multiple experimental factors in metabolomics, analysis of human neural cells with Hydrophilic Interaction Liquid Chromatography hyphenated to High Resolution Mass Spectrometry,** V. González-Ruiz, J. Pezzatti, A. Roux, L. Stoppini, J, Boccard, S. Rudaz, J. Chromatogr. A 1527 (2017) 53 - 60
256. **ERE-dependent transcription and cell proliferation: Independency of these two processes mediated by the introduction of a sulfone function into the weak estrogen estrothiazine,** Y. Jacquot, D. Spaggiari, J. Schappler, E. Lesniewska, S. Rudaz, G. Leclercq, Eur. J. Pharm. Sci. 109 (2017) 169-181
255. **Development of a new extraction device based on parallel-electromembrane extraction,** N. Drouin, J.-F. Mandscheff, S. Rudaz, J. Schappler, Anal. Chem. 89 (2017) 6346-6350
254. **Enhanced metabolite annotation via dynamic retention time prediction: steroidogenesis alterations as a case study,** G. M. Randazzo, D. Tonoli, P. Strajhar, I. Xenarios, A. Odermatt, J. Boccard, S. Rudaz, J. Chromatogr. B 1071 (2017) 11-18
253. **Usefulness of PBPK modeling in incorporation of clinical conditions in personalized medicine,** N. Marsousi, S. Rudaz, J. Desmeules, Y. Daali, J. Pharm. Sci. 106 (2017) 2380-2391
252. **High resolution mass spectrometry as an alternative detection method to tandem mass spectrometry for the analysis of endogenous steroids in serum,** F. Ponzetto, J. Boccard, N. Baume, T. Kuuranne, S. Rudaz, M. Saugy, R. Nicoli, J. Chromatogr. B 1052 (2017) 34–42

251. **Steroid profiling in H295R cells to identify chemicals potentially disrupting the production of adrenal steroids,** P. Strajhar, D. Tonoli, F. Jeanneret, R. Imhof, V. Malagnino, M. Patt, D. Kratschmar, J. Boccard, S. Rudaz, A. Odermatt, Toxicology 381 (2017) 51–63
250. **Metabolomic analysis of urine samples by UHPLC-QTOF-MS: impact of normalization strategies,** Y. Gagnebin, D. Tonoli, P. Lescuyer, B. Ponte, S. De Seigneux, P.-Y. Martin, J. Schappler, J. Boccard, S. Rudaz, Anal. Chim. Acta 955 (2017) 27 – 35
249. **Optimization of non-linear gradient in hydrophobic interaction chromatography for the analytical characterization of antibody-drug conjugates,** B. Bobály, G. M. Randazzo, S, Rudaz, D, Guillarme, S, Fekete, J. Chromatogr. A 1481 (2017) 82–91.
248. **Indirect Quantitative Structure-Retention Relationship for Steroid Identification: A chemometric challenge at "Chimiométrie 2016 »,** G. M. Randazzo, E. Vigneau, P. Courcoux, C. Harrouet, Y. Lijour, P. Dardenne, J. Boccard, S. Rudaz, Chem. Intel. Lab. Sys. 160 (2017) 52 – 58
247. **HDM-PAMPA to predict gastrointestinal absorption, binding percentage, equilibrium and kinetics constants with human serum albumin and using 2 end-point measurements,** A. Bujard, C. Petit, P.-A. Carrupt, S. Rudaz, J. Schappler, Eur. J. Pharm. Sci. 97 (2017) 143-150
246. **Characterization of oxycodone in vitro metabolism by human cytochromes P450 and UDP-glucuronosyltransferases,** S. Romand, D. Spaggiari, N. Marsousi, C. Samer, J. Desmeules, Y. Daali, S. Rudaz, J. Pharm. Biomed. Anal. 144 (2017) 129-137
245. **Structured plant metabolomics for the simultaneous exploration of multiple factors,** N. Vasilev, J. Boccard, G. Lang, U. Grömping, R. Fischer, S. Goepfert, S. Rudaz, S. Schillberg, Scientific Reports 6 (2016) Art. 37390
244. **Evaluation of capillary electrophoresis-mass spectrometry for the analysis of the conformational heterogeneity of intact proteins using beta2-microglobulin as model compound.** E. De Lorenzi, L. Bertoletti, J. Schappler, R. Colombo, S. Rudaz, R. Haselberg, E. Domínguez-Vega, S. Raimondi, G. W Somsen, E. De Lorenzi, Anal. Chim. Acta 945 (2016) 102 - 109
243. **Busulfan Stability Determination by UHPLC-MS,** N. Guichard, P. Bonnabry, S. Rudaz, S. Fleury-Souverain, Eur. J. Hosp. Pharm. 24 (2017) A114-A114
242. **Intestinal permeability and P-glycoprotein mediated efflux transport of ticagrelor in Caco-2 monolayer** cells, N. Marsousi, F. Doffey-Lazeyras, S. Rudaz, J. Desmeules, Y. Daali, Fund. & Clin. Pharmacology 30 (2016), 577-584.
241. **High throughput identification of monoclonal antibodies after compounding by UV spectroscopy coupled to chemometrics analysis,** E. Jaccoulet, J. Boccard, M. Taverna, A. Santos Azevedos, S. Rudaz, C. Smadja, Anal. Bioanal. Chem. 408 (2016), 5915-5924
240. **Co-administration of ticagrelor and ritonavir: Towards prospective dose adjustment to maintain an optimal platelet inhibition using PBPK approach,** N. Marsousi, C. Samer, P. Fontana, J.-L. Reny, S. Rudaz, J. Desmeules, Y. Daali, Clinical Pharmacology and Therapeutics 100 (2016) 295-304
239. **An extensive cocktail approach for rapid risk assessment of in vitro CYP450 direct reversible inhibition by xenobiotic exposure,** D. Spaggiari, Y. Daali, S. Rudaz, Toxicology and Applied Pharmacology 302 (2016) 41–51
238. **Exploring Omics data from designed experiments using Analysis of Variance Multiblock Orthogonal Partial Least Squares,** J. Boccard & S. Rudaz, Analytica Chimica Acta 920 (2016) 18 - 28
237. **Dynamic-electromembrane extraction (d-EME): A new technical development for the extraction of neuropeptides,** N. Drouin, S. Rudaz, J. Schappler, Anal. Chem. 88 (2016) 5308 - 5315
236. **Prediction of retention time in reversed-phase liquid chromatography as a tool for steroid identification,** G. M. Randazzo, D. Tonoli, S. Hambye, D. Guillarme, F. Jeanneret, A. Nurisso, L. Goracci, J. Boccard, S. Rudaz, Analytica Chimica Acta 916 (2016) 8-16
235. **Statistical correlations between HPLC activity-based profiling results and NMR|MS microfractions data to deconvolute bioactive compounds in mixture,** S. Bertrand, A. Azzollini, A. Nievergelt, J. Boccard, S. Rudaz, M. Cuendet, J.-L. Wolfender, Molecules 21 (2016) 259 - 272
234. **Evaluation of a new low sheath-flow interface for CE-MS,** V. González-Ruiz, S. Codesido, J. Far, S. Rudaz, J. Schappler, Electrophoresis 37 (2016) 936 - 946
233. **Separation of substrates and closely related glucuronide metabolites using various chromatographic modes,** S. Romand, S. Rudaz, D. Guillarme, J. Chromatogr. A 1435 (2016) 54–65
232. **Longitudinal monitoring of endogenous steroids in human serum by UHPLC-MS|MS as a tool to detect testosterone abuse in sport,** F. Ponzetto, F. Mehl, J. Boccard, N. Baume, S. Rudaz, M. Saugy, R. Nicoli, Anal Bioanal Chem 408 (2016) 705-719
231. **Evaluation and identification of dioxin exposure biomarkers in human urine by high-resolution metabolomics, multivariate analysis and in vitro synthesis,** F. Jeanneret, D. Tonoli, D. Hochstrasser, J.-H. Saurat, O. Sorg, J. Boccard, S. Rudaz, Toxicology letters 240 (2016) 22-31
230. **Analysis of riboflavin compounds in the rabbit cornea in vivo,** A. Hammer, S. Rudaz, S. Guinchard, S. Kling, D. Tabibian, O. Richoz, F. Hafezi, Current Eye Research 41 (2016) 1-7

229. **Evaluation of steroidomics by liquid chromatography hyphenated to mass spectrometry as a powerful analytical strategy for measuring human steroid perturbations (Review),** F. Jeanneret, D. Tonoli, M. Rossier, M. Saugy, J. Boccard, S Rudaz, J. Chromatogr. A, 1430 (2016) 97 - 112
228. **Evaluation of quantification methods to compensate for matrix effects in the analysis of Benzalkonium chloride and Didecyldimethylammonium chloride in fruits and vegetables by LC-ESI-MS|MS,** C. Diez, M. Feinberg, A. Staub, E. Cognard, D. Ortelli, P. Edder, S. Rudaz, Food Anal. Methods 9 (2016) 485-499
227. **Efficacy of Two Cleaning Solutions for the Decontamination of 10 Antineoplastic Agents in the Biosafety Cabinets of a Hospital Pharmacy,** M. Anastasi, S. Rudaz, T. Queruau Lamerie, P. Odou, P. Bonnabry, S. Fleury-Souverain, Ann. Occup. Hyg., 59 (2015) 895-908
226. **Treatment with KLEPTOSE® CRYSMEB reduces atherogenesis in ApoE-|- mice impacting serum lipid profile and Th1 lymphocyte-mediated inflammation,** F. Montecucco, S. Lenglet, F. Carbone, S. Boero, G. Pelli, F. Burger, M. Bertolotto, F. Dallegri, R. A. Fraga-Silva, L. Fougere, C. Elfakir, A.-L. Gassner, S. Rudaz, N. Vuilleumier, A. Poggi, F. Mach, Vascular Pharmacology 72 (2015) 197 -208
225. **Steroidomic footprinting based on ultra-high performance liquid chromatography coupled with qualitative and quantitative high-resolution mass spectrometry for the evaluation of endocrine disrupting chemicals in H295R cells,** D. Tonoli, C. Fürstenberger, J. Boccard, D. Hochstrasser, F. Jeanneret, A. Odermatt, S. Rudaz, Chemical Research in Toxicology 28 (2015) 955-966
224. **Evaluation of chemical contamination of surfaces during the preparation of chemotherapies in 24 hospital pharmacies,** S. Fleury-Souverain, M. Mattiuzzo, F. Mehl, S. Nussbaumer, L. Bouchoud, L. Falaschi, M. Gex-Fabry, S. Rudaz, F. Sadeghipour, Pascal Bonnabry, European Journal of Hospital Pharmacy 22 (2015) 333-341
223. **Aminoglycoside analysis in food of animal origin with a zwitterionic stationary phase and liquid chromatography - tandem mass spectrometry,** C. Diez, D. Guillarme, A. Staub Sporri, E. Cognard, D. Ortelli, P. Edder, S. Rudaz, Analytica Chimica Acta, 882 (2015) 127–139
222. **Integrating metabolomic data from multiple analytical platforms for a comprehensive characterisation of lemon essential oils,** F. Mehl, G. Marti, P. Merle, E. Delort, L. Baroux, H. Sommer, J.-L. Wolfender, S. Rudaz, J. Boccard, Flavour Fragr. J. 30 (2015) 131–138
221. **Inhibition screening method of microsomal UGTs using the cocktail approach,** J. Gradinaru, S. Romand, L. Geiser, P.-A. Carrupt, D. Spaggiari, S. Rudaz, Eur. J. Pharm. Sci. 71 (2015) 35–45
220. **Multi-way PLS regression: Monotony convergence of tri- linear PLS2 and optimality of parameters,** M. Hanafi, S. S. Ouertani, J. Boccard, G. Mazerolles, S. Rudaz, Comput. Statist. Data Anal. 83 (2015) 129-139
219. **Prediction of metabolic interactions with oxycodone via CYP2D6 and CYP3A inhibition using a physiologically-based pharmacokinetic model,** C. Samer, N. Marsousi, Y. Daali, S. Rudaz, L. Almond, H. Humphries, J. Desmeules, CPT: Pharmacometrics & Systems Pharmacology 3 (2014) 1 - 8
218. **Comparison of liquid chromatography and supercritical fluid chromatography coupled to compact single quadrupole MS for targeted in vitro metabolism assay,** A. Grand-Guillaume, D. Spaggiari, F. Mehl, V. Desfontaine, S. Fekete, S. Rudaz, D. Guillarme, J. Chromatogr. A, 1371 (2014) 244–256
217. **Untargeted profiling of urinary steroid metabolites after testosterone ingestion: opening new perspectives for anti-doping testing,** J. Boccard, F. Badoud, N. Jan, R. Nicoli, C. Schweizer, F. Pralong, J.-L. Veuthey, N. Baume, S. Rudaz, M. Saugy, Bioanalysis 6 (2014) 2523–2536
216. **Coupling ultra-high-pressure liquid chromatography with MS for in vitro drug metabolism studies (Review),** D. Spaggiari, L. Geiser, S. Rudaz, TRAC, Trends in Anal. Chem., 63 (2014) 129-139
215. **Population Normalization with Ammonium (NH4-N) in Wastewater-Based Epidemiology: Application to Illicit Drugs Monitoring,** F. Been, L. Rossi, C. Ort, S. Rudaz, O. Delémont, P. Esseiva, Environ. Sci. Technol., 48 (2014) 8162 - 8169
214. **Phenotyping of CYP450 in human liver microsomes using the cocktail approach,** D. Spaggiari, L. Geiser, Y. Daali, S. Rudaz, Anal. Bioanal. Chem., 406 (2014) 4875-4887
213. **Derivation of uncertainty functions from validation studies in biological fluids: application to the analysis of caffeine and its major metabolites in human plasma samples,** A.-L. Gassner, J. Schappler, M. Feinberg, S. Rudaz, J. Chromatogr. A, 1353 (2014) 121–130
212. **New insights in carbohydrate-deficient transferrin analysis with capillary electrophoresis - mass spectrometry,** I. Kohler, M. Ausburger, S. Rudaz, J. Schappler, Forensic Sci. Int., 243 (2014) 14 - 22
211. **A cocktail approach for assessing the in vitro activity of human cytochrome P450s: an overview of current methodologies (Review),** D. Spaggiari, L. Geiser, Y. Daali, S. Rudaz, J. Pharm. Biomed. Anal., 101 (2014) 221–237
210. **Retention modeling and method development in hydrophilic interaction chromatography** E. Tyteca, A. Périat, S. Rudaz, G. Desmet, D. Guillarme, J. Chromatogr. A, 1337 (2014) 116–127
209. **Multi-way PLS for discrimination: Compact form equivalent to the tri-linear PLS2 procedure and its monotony convergence,** S. S. Ouertani, G. Mazerolles, J. Boccard, S. Rudaz, M. Hanafi, Chemometr. Intell. Lab., 133 (2014) 25 – 32
208. **Quantitative monitoring of tamoxifen in human plasma extended to 40 metabolites using liquid-chromatography high-resolution mass spectrometry: new investigation capabilities for clinical**

pharmacology, E. Dahmane, J. Boccard, C. Csajka, S. Rudaz, L. Décosterd, E. Genin, B. Duretz, M. Bromirski, K. Zaman, B. Testa, B. Rochat, Anal. Bioanal. Chem., 406 (2014) 2627-2640

207. **Human urinary biomarkers of dioxin exposure: analysis by metabolomics and biologically-driven data dimensionality reduction,** F. Jeanneret, J. Boccard, F. Badoud, O. Sorg, D. Tonoli, D. Pelclova, S. Vlckova, D. N. Rutledge, C. F. Samer, D. Hochstrasser, J.-H. Saurat, S. Rudaz, Toxicology Letters 230 (2014) 234-243
206. **In-spray supercharging of intact proteins by capillary electrophoresis-mass spectrometry using a sheath liquid interface,** G. Bonvin, S. Rudaz, J. Schappler, Analytica Chimica Acta, 813 (2014) 97 – 105
205. **Harnessing the complexity of metabolomic data with chemometrics,** J. Boccard & S. Rudaz, J. Chemometrics, 28 (2014) 1-9
204. **Online Microreactor Titanium Dioxide RPLC-LTQ-Orbitrap MS Automated Platform for Shotgun Analysis of (Phospho) Proteins in Human Amniotic Fluid,** C. Temporini, R. Nicoli, A. Tiengo, N. Barbarini, E. Calleri, M. Galliano, S. Rudaz, J.-L. Veuthey, L. Regazzoni, G. Aldini, G. Massolini, Chromatographia 77 (2014) 39-50.
203. **Nonaqueous capillary electrophoresis for the analysis of acidic compounds using negative electrospray ionization mass spectrometry,** G. Bonvin, J. Schappler, S. Rudaz, J. Chromatogr. A, 1323 (2014) 163–173
202. **Comprehensive profiling and marker identification in non-volatile citrus oil residues by mass spectrometry and nuclear magnetic resonance,** G. Marti, F. Mehl, J. Boccard, B. Debrus, L. Marcourt, P. Merle, E. Delort, L. Baroux, H. Sommer, S. Rudaz, J.-L. Wolfender, Food Chemistry 150 (2014) 235–245
201. **Importance of instrumentation for fast liquid chromatography in pharmaceutical analysis (Review)** S. Fekete, I. Kohler, S. Rudaz, D. Guillarme, J. Pharm. Biomed. Anal. (2014), 87, 105-19
200. **Differentiation of lemon essential oil based on volatile and non-volatile fractions with various analytical techniques: a metabolomic approach,** F. Mehl, G. Marti, J. Boccard, B. Debrus, P. Merle, E. Delort, L. Baroux, M. I. Velazco, H. Sommer, J.-L. Wolfender, S. Rudaz, Food Chemistry 143 (2014) 325–335
199. **Influence of genetic polymorphisms on the response variability to opioids** N. Marsousi, V. Ancrenaz, Y. Daali, S. Rudaz, C. Samer, J. Desmeules, Douleur analg., 26 (2013) 203-208
198. **Systematic comparison of sensitivity between hydrophilic interaction liquid chromatography and reversed phase liquid chromatography coupled with mass spectrometry,** A. Periat, J. Boccard, J.-L. Veuthey, S. Rudaz, D. Guillarme, J. Chromatogr. A, 1312 (2013) 49–57
197. **Contribution of various types of liquid chromatography-mass spectrometry instruments to band broadening in fast analysis,** D. Spaggiari, S. Fekete, P. Eugster, J.-L. Veuthey, L. Geiser, S. Rudaz, D. Guillarme, J. Chromatogr. A, 1310 (2013) 45–55
196. **A New method for Quality-by-Design Robust Optimizations in LC,** B. Debrus, P. Lebrun, E. Rozet, T. Schofield, R.D. Marini, S. Rudaz, B. Boulanger, Ph. Hubert, LC-GC 26 (2013) 370 - 377
195. **Static coatings for the analysis of intact monoclonal antibody drugs by capillary zone electrophoresis** A.-L. Gassner, S. Rudaz, J. Schappler, Electrophoresis, 34 (2013) 2718-2724
194. **Improved quality-by-design compliant methodology for method development in reversed-phase liquid chromatography,** B. Debrus, D. Guillarme, S. Rudaz, J. Pharm. Biomed. Anal., 84 (2013) 215–223
193. **Highly sensitive capillary electrophoresis-mass spectrometry for rapid screening and accurate quantitation of drugs of abuse in urine,** I. Kohler, J. Schappler, S. Rudaz, Analytica Chimica Acta 780 (2013) 101–109
192. **Screening of the most relevant parameters for method development in ultra-high performance hydrophilic interaction chromatography,** A. Periat, B. Debrus, S. Rudaz, D. Guillarme, J. Chromatogr. A, 1282 (2013) 72-83
191. **Study of common database feeding with results coming from different analytical methods in the framework of illicit drugs chemical profiling,** J. Broséus, B. Debrus, O. Delémont, S. Rudaz, P. Esseiva, Forensic Science International, 230 (2013) 16-28
190. **Development of Misoprostol Suppositories for Postpartum Hemorrhage,** I. Constantin, G. Zelger, A. Paroz, P. Furrer, S. Rudaz, C. Messeiller, Pharmacology & Pharmacy, 4 (2013) 71-76
189. **Evaluation and comparison of various separation techniques for the analysis of closely-related compounds of pharmaceutical interest,** C. Gourmel, A. Perrenoud, L. Waller, E. Reginato, J. Verne, B. Dulery, J.-L. Veuthey, S. Rudaz, J. Schappler, D. Guillarme, J. Chromatogr. A, 1282 (2013) 172-177
188. **Plant Metabolomics: From Holistic Data to Relevant Biomarkers (Review),** J.-L. Wolfender, S. Rudaz, Y. H. Choi, H. K. Kim, Current Medicinal Chemistry 20 (2013) 1056-1090
187. **Metabolomics reveals herbivore-induced metabolites of resistance and susceptibility in maize leaves and roots,** G. Marti, M. Erb, J. Boccard, G. Glauser, G. Doyen, N. Villard, C. Robert, T. Turlings, S. Rudaz, J.-L. Wolfender, Plant, Cell & Environment, 36 (2013) 621-639
186. **Temporal Variability of Antibiotics Fluxes in Wastewater and Contribution from Hospitals** S. Coutu, L. Rossi, D. A. Barry, S. Rudaz, N. Vernaz, Plos One, 8 (2013) e53592
185. **Microextraction techniques combined with capillary electrophoresis in bioanalysis (Review)** I. Kohler, J. Schappler, S. Rudaz, Anal. Bioanal. Chem., 405 (2013) 125-141

184. **Dispersive liquid-liquid microextraction combined with capillary electrophoresis and time-of-flight mass spectrometry for urine analysis,** I. Kohler, J. Schappler, T. Sierro, S. Rudaz
J. Pharm. Biomed. Anal., 73 (2013) 82–89
183. **Analytical strategies for the characterization of therapeutic monoclonal antibodies (Review)**
S. Fekete, A.-L. Gassner, S. Rudaz, J. Schappler, D. Guillarme, TRAC, 42 (2013) 74 - 83
182. **Predictive Elution Window Stretching and Shifting as a Generic Search Strategy for Automated Method Development for Liquid Chromatography,** E. Tyteca, A. Liekens, D. Clicq, A. Fanigliulo, B. Debrus, S. Rudaz, D. Guillarme, G. Desmet, Anal. Chem., 84 (2012) 7823-7830
181. **Impact of mobile phase temperature on recovery and stability of monoclonal antibodies using recent reversed-phase stationary phases,** S. Fekete, S. Rudaz, J.-L. Veuthey, D. Guillarme, J. Sep. Sci., *35* (2012) 3113–3123
180. **Capillary electrophoresis-electrospray ionization-MS interfaces: Fundamental concepts and technical developments (Review),** G. Bonvin, J. Schappler, S. Rudaz, J. Chromatogr. A, 1267 (2012) 17–31
179. **Analysis of recombinant monoclonal antibodies by RPLC: towards a generic method development approach** S. Fekete, S. Rudaz, J. Fekete, D. Guillarme, J. Pharm. Biomed. Anal., 70 (2012) 158-168
178. **Analyse métabolomique dans l'urine par UHPLC-QTOF-MSE: profilage des stéroïdes appliqué au dépistage anti-dopage,** J. Boccard, F. Badoud, E. Grata, S. Ouertani, M. Hanafi, G. Mazerolles, P. Lantéri, J.-L. Veuthey, M. Saugy, S. Rudaz, Spectra Analysis, 284 (2012) 48 - 54
177. **New insights in pharmaceutical analysis,** D. Guillarme, J. Schappler, J. Boccard, J.-L. Veuthey, S. Rudaz, Chimia, 66 (2012) 330 - 334
176. **Method development for pharmaceutics: Some solutions for tuning selectivity in reversed phase and hydrophilic interaction liquid chromatography,** J. Ruta, J. Boccard, D. Cabooter, S. Rudaz, G. Desmet, J.-L. Veuthey, D. Guillarme, J. Pharm. Biomed. Anal., 63 (2012) 95–105
175. **Evaluation of a sheathless nanospray interface based on a porous tip sprayer for CE-ESI-MS coupling.** G. Bonvin, J.-L. Veuthey, S. Rudaz, J. Schappler, Electrophoresis, 33 (2012), 552–562
174. **In vivo characterisation of a novel water-soluble Cyclosporine A prodrug for the treatment of dry eye disease,** M. Rodriguez-Aller, B. Kaufmann, D. Guillarme, P. Furrer, S. Rudaz, I. El Zaoui, F. Valamanesh, C. Di Tommaso, F. Behar-Cohen, J.-L. Veuthey, R. Gurny, Eur. J. Pharm. Biopharm., 80 (2012) 544-552
173. **Analysis of peptides and proteins using sub-2 μm fully porous and sub 3-μm shell particles,** A. Staub, D. Zurlino, S. Rudaz, J.-L. Veuthey, D. Guillarme, J. Chromatogr. A, 1218 (2011) 8903–8914
172. **Nouveaux développements dans l'analyse de proteins intactes par CE-TOF|MS,** J. Schappler, A. Staub, S. Rudaz, J.-L. Veuthey, Spectra Analyse, 40 (2011) 24 - 30
171. **A steroidomic approach for biomarkers discovery in doping control**
J. Boccard, F. Badoud, E. Grata, S. Ouertani, M. Hanafi, G. Mazerolles, P. Lantéri, J.-L. Veuthey, M. Saugy, S. Rudaz, Forensic Science International, 213 (2011) 85 - 94
170. **Analytical aspects in doping control: Challenges and perspectives (Review),** F. Badoud, D. Guillarme, J. Boccard, E. Grata, M. Saugy, S. Rudaz, J.-L. Veuthey, Forensic Science International, 213 (2011) 49 - 61
169. **Evaluating the reliability of analytical results using a probability criterion: A Bayesian perspective**
E. Rozet, B. Govaerts, P. Lebrun, K. Michail, E. Ziemons, R. Wintersteiger, S. Rudaz, B. Boulanger, P. Hubert, Analytica Chimica Acta, 705 (2011) 193–206
168. **Models to estimate overall analytical measurements uncertainty: Assumptions, comparisons and applications,** E. Rozet, S. Rudaz, R.D. Marini, E. Ziémons, B. Boulanger, Ph. Hubert, Analytica Chimica Acta, 702 (2011) 160–171
167. **Sample Preparation of Urine Samples Prior to CE-MS in Toxicological Analysis,** M. Rovini, J. Schappler, I. Kohler, M. Anzini, J.-L. Veuthey, S. Rudaz, J. Chem. Chem. Eng., 5 (2011) 583-594
166. **Current role of Liquid chromatography coupled to mass spectrometry in clinical toxicology screening (Review),** V. Viette, M. Fathi, S. Rudaz, D. Hochstrasser, J.-L. Veuthey, Clinical Chemistry and Laboratory Medecine CCLM | FESCC, 49 (2011) 1091–1103
165. **Single-Run Separation of Closely Related Cationic and Anionic Compounds by CE-ESI-MS: Application to the Simultaneous Analysis of Melamine and its Analogs in Milk,** I. Kohler, E. Cognard, I. Marchi, D. Ortelli, P. Edder, J.-L. Veuthey, S. Rudaz, J. Schappler, Chimia, 65 (2011) 389-395
164. **Quantification of glucuronidated and sulphated steroids in human urine by ultra-high-pressure liquid chromatography quadrupole time-of-flight mass spectrometry,** F. Badoud, E. Grata, J. Boccard, D. Guillarme, J.-L. Veuthey, S. Rudaz, M. Saugy, Anal. Bioanal. Chem., 400 (2011) 503-516
163. **Quantification of 4 antidepressants and a metabolite by LC-MS for therapeutic drug monitoring**
E. Choong, S. Rudaz, A. Kottelat, S. Haldemann, D. Guillarme, J.-L. Veuthey, C.B. Eap, J. Chromatogr. B, 879 (2011) 1544-1550
162. **Intact protein analysis in the biopharmaceutical field (Review),** A. Staub, D. Guillarme, J. Schappler, J.-L. Veuthey, S. Rudaz, J. Pharm. Biomed. Anal., 55 (2011) 810–822
161. **Total error and uncertainty: Friends or foes? (Review),** E. Rozet, R.D. Marini, E. Ziemons, W. Dewe, S. Rudaz, B. Boulanger, Ph. Hubert, TrAC, 30 (2011) 797 – 806
160. **Analysis of experimental design with multivariate response: A contribution using multiblock techniques**
G. Mazerolles, J. Boccard, M. Hanafi, S. Rudaz, Chem. Intel. Lab. Systems, 106 (2011) 65-72

159. **Quality control of pharmaceutical formulations containing cisplatin, carboplatin, and oxaliplatin by micellar and microemulsion electrokinetic chromatography,** S. Nussbaumer, S. Fleury-Souverain, J. Schappler, S. Rudaz, J.-L. Veuthey, P. Bonnabry, J. Pharm. Biomed. Anal., 55 (2011) 253–258
158. **Innovative methodology to transfer conventional GC-MS heroin profiling to UHPLC-MS|MS** B. Debrus, J. Broséus, D. Guillarme, P. Lebrun, P. Hubert, J.-L. Veuthey, P. Esseiva, S. Rudaz, Anal. Bioanal. Chem., 399 (2011) 2719-2730
157. **Ultra High-Pressure Liquid Chromatography for Crude Plant Extract Profiling,** P. Eugster, D. Guillarme, S. Rudaz, J.-L. Veuthey, P.-A. Carrupt, J.-L. Wolfender, J. AOAC Int. 94 (2011) 51 - 70
156. **New Findings in Liquid Chromatography in the pharmaceutical domain** J.-L. Veuthey, D. Guillarme, S. Rudaz, Bioanalysis 3 (2011) 5–6
155. **A multi-target screening analysis in human plasma using fast liquid chromatography–hybrid tandem mass spectrometry (Part II),** V. Viette, D. Guillarme, R. Mylonas, Y. Mauron, M. Fathi, S. Rudaz, D. Hochstrasser, J.-L. Veuthey, Clin. Biochem., 44 (2011) 45–53
154. **A multi-target screening analysis in human plasma using fast liquid chromatography–hybrid tandem mass spectrometry (Part I),** V. Viette, D. Guillarme, R. Mylonas, Y. Mauron, M. Fathi, S. Rudaz, D. Hochstrasser, J.-L. Veuthey, Clin. Biochem., 44 (2011) 32–44
153. **A systematic investigation of the effect of sample diluent on peak shape in hydrophilic interaction liquid chromatography,** J. Ruta, S. Rudaz, D. V. McCalley, J.-L. Veuthey, D. Guillarme, J. Chromatogr. A, 1217 (2010) 8230–8240
152. **Multiple injection technique for the determination and quantitation of insulin formulations by capillary electrophoresis and time-of-flight mass spectrometry,** A. Staub, S. Rudaz, J.-L. Veuthey, J. Schappler, J. Chromatogr. A, 1217 (2010) 8041–8047
151. **Use of organic solvent to prevent protein adsorption in CE-MS experiments,** A. Staub, S. Comte, S. Rudaz, J.-L. Veuthey, J. Schappler, Electrophoresis, 31 (2010) 3326–3333
150. **Standard machine learning algorithms applied to UPLC-TOF|MS metabolic fingerprinting for the discovery of biomarkers in Arabidopsis thaliana,** J. Boccard, A. Kalousis, M. Hilario, P. Lantéri, M. Hanafi, G. Mazerolles, J.-L. Wolfender, P.-A. Carrupt, S. Rudaz, Chem. Intel. Lab. Syst., 104 (2010) 20–27
149. **Evaluation of an in-capillary approach for performing quantitative cytochrome P450 activity studies** R. Curcio, R. Nicoli, S. Rudaz, J.-L. Veuthey, Anal. Bioanal. Chem., 398 (2010) 2163–2171
148. **Analytical tools to fight against counterfeit medicines,** R.D. Marini, J. Mbinze Kindenge, M.L.A. Montes, B. Debrus, P. Lebrun, J. Mantanus, E. Ziemons, Claude Rohrbasser, S. Rudaz, Ph. Hubert, Chemistry today- Focus on Pharmaceutical analysis, 28 (2010) 10 -14
147. **Comparison of columns packed with porous sub-2 µm particles and superficially porous sub-3 µm particles for peptide analysis at ambient and high temperature,** D. Guillarme, J. Ruta, S. Rudaz, J.-L. Veuthey, J. Sep. Sci., 33 (2010) 2465–2477
146. **Reliable low-cost capillary electrophoresis device for drug quality control and counterfeit medicines** R.D. Marini, E. Rozet, M.L.A. Montes, C. Rohrbasser, S. Roht, D. Rhème, P. Bonnabry, J. Schappler, J.-L. Veuthey, Ph. Hubert, S. Rudaz, J. Pharm. Biomed. Anal., 53 (2010), 1278-1287
145. **Determination of potassium, sodium, calcium and magnesium in total parenteral nutrition formulations by capillary electrophoresis with contactless conductivity detection,** S. Nussbaumer, S. Fleury-Souverain, L, Bouchoud, S. Rudaz, P. Bonnabry, J-L. Veuthey, J. Pharm. Biomed. Anal., 53 (2010) 130–136
144. **New trends in fast and high-resolution liquid chromatography: a critical comparison of existing approaches** D. Guillarme, J. Ruta, S. Rudaz, J.-L. Veuthey, Anal. Bioanal. Chem., 397 (2010) 1069–1082
143. **Fast analysis of doping agents in urine by ultra-high-pressure liquid chromatography–quadrupole time-of-flight mass spectrometry. II: Confirmatory analysis,** F. Badoud, E. Grata, L. Perrenoud, M. Saugy, S. Rudaz, J.-L. Veuthey, J. Chromatogr. A, 1217 (2010) 4109-4119
142. **Characterization and classification of matrix effects in biological samples analyses,** I. Marchi, V. Viette, F. Badoud, M. Fathi, M. Saugy, S. Rudaz, J.-L. Veuthey, J. Chromatogr. A, 1217 (2010) 4071-4078
141. **Advances in LC platforms for drug discovery (Review),** R. Nicoli, S. Martel, S. Rudaz, J.-L. Wolfender, J.-L. Veuthey, P.-A. Carrupt, D. Guillarme, Expert Opin. Drug Discov., 5 (2010) 475 - 489
140. **Analysis of hemoglobin-based oxygen carriers by CE-UV|Vis and CE-ESI-TOF|MS** A. Staub, S. Rudaz, M. Saugy, J.-L. Veuthey, J. Schappler, Electrophoresis, 31 (2010), 1241-1247
139. **High-throughput log P determination by MEEKC coupled with UV and MS detections** Y. Henchoz, S. Romand, J. Schappler, S. Rudaz, J.-L. Veuthey, P.-A. Carrupt, Electrophoresis, 31 (2010) 952-964
138. **Knowledge discovery in metabolomics: An overview of MS data handling (Review)** J. Boccard, J.-L. Veuthey, S. Rudaz, J. Sep. Sci., 33 (2010) 290–304
137. **CE-ESI-TOF|MS for human growth hormone analysis** A. Staub, S. Giraud, M. Saugy, S. Rudaz, J.-L. Veuthey, J. Schappler, Electrophoresis, 31 (2010) 388–395
136. **Fast Chiral Separation of Drugs Using Columns Packed with Sub-2 Particles and Ultra-High Pressure** D. Guillarme, G. Bonvin, F. Badoud, J. Schappler, S. Rudaz, J.-L. Veuthey, Chirality, 22 (2010) 320–330
135. **Coupling ultra-high-pressure liquid chromatography with mass spectrometry (Review)** D. Guillarme, J. Schappler, S. Rudaz, J.-L. Veuthey, TrAC, 29 (2010) 15-27

134. **Mass spectrometry-based metabolomics oriented by correlation analysis for wound-induced molecule discovery: identification of a novel jasmonate glucoside.**
G. Glauser, J. Boccard, S. Rudaz, J.-L. Wolfender, Phytochemical Analysis, 21 (2010) 95-101
133. **A new capillary electrophoresis device with deep UV detector based on LED technology,** C. Rohrbasser, D. Rhême, S. Décastel, S. Roth, M. A. Montes, J.-L. Veuthey, S. Rudaz, Chimia, 63 (2009) 890 - 891
132. **Velocity Estimates for Signal Propagation Leading to Systemic Jasmonic Acid Accumulation in Wounded Arabidopsis,** G. Glauser, L. Dubugnon, S. A. R. Mousavi, S. Rudaz, J.-L. Wolfender, E.E. Farmer, J. Biol. Chem., 284 (2009) 34506-34513
131. **MS-based Plant Metabolomic Approaches for Biomarker Discovery (Review)**
J.-L. Wolfender, G. Glauser, J. Boccard, S. Rudaz, Natural Product Discovery, 4 (2009) 1417 - 1430
130. **High-Throughput Screening of Drugs of Abuse in Urine by Supported Liquid–Liquid Extraction and UHPLC Coupled to Tandem MS,** A. Maquille, D. Guillarme, S. Rudaz, J.-L. Veuthey, Chromatographia, (2009) 1373 - 1380
129. **TDM of 7 psychotropic drugs and 4 metabolites in human plasma by HPLC-MS** E. Choong, S. Rudaz, D. Guillarme, J.-L. Veuthey, C.B. Eap, J. Pharm. Biomed. Anal., 50 (2009) 1000 – 1008
128. **Validation and long-term evaluation of a modified on-line chiral analytical method for therapeutic drug monitoring of (R,S)-methadone in clinical samples,** N. Ansermot, S. Rudaz, M. Brawand-Amey, S. Fleury-Souverain, J.-L. Veuthey, C. B. Eap, J. Chromatogr. B, 877 (2009) 2301
127. **Development and validation of a liquid chromatography–atmospheric pressure photoionization–mass spectrometry method for the quantification of alprazolam, flunitrazepam, and their main metabolites in haemolysed blood,** I. Marchi, J. Schappler, J.-L. Veuthey, S. Rudaz, J. Chromatogr. B, 877 (2009) 2275
126. **A risk-based analysis of the AAPS conference report on quantitative bioanalytical methods validation and implementation,** B. Boulanger, E. Rozet, F. Moonen, S. Rudaz, Ph. Hubert, J. Chromatogr. B, 877 (2009) 2235
125. **Method validation, comparison and transfer,** S. Rudaz, Ph. Hubert, J. Chromatogr. B, 877 (2009) 2179
124. **Fast log P determination by ultra-high-pressure liquid chromatography coupled with UV and mass spectrometry detections,** Y. Henchoz, D. Guillarme, S. Martel, S. Rudaz, J.-L. Veuthey, P.-A. Carrupt Anal. Bioanal. Chem., 394 (2009) 1919
123. **Metabolite profiling of plant extracts by ultra-high-pressure liquid chromatography at elevated temperature coupled to time-of-flight mass spectrometry,** E. Grata, D. Guillarme, G. Glauser, J. Boccard, P.-A. Carrupt, J.-L. Veuthey, S. Rudaz, J.-L. Wolfender, J. Chromatogr. A, 1216 (2009) 5660
122. **Nouveaux développements en chromatographie rapide dans le domaine pharmaceutique**
D. Guillarme, S. Rudaz, J.-L. Veuthey, Spectra Analysis, 267 (2009) 12
121. **CE-TOF|MS: Fundamental concepts, instrumental considerations and applications (Review)**
A. Staub, J. Schappler, S. Rudaz, J.-L. Veuthey, Electrophoresis, 30 (2009) 1610
120. **Fast analysis of doping agents in urine by ultra-high-pressure liquid chromatography–quadrupole time-of-flight mass spectrometry I. Screening analysis,** F. Badoud, E. Grata, L. Perrenoud, L. Avois, M. Saugy, S. Rudaz, J.-L. Veuthey, J. Chromatogr. A, 1216 (2009) 4423
119. **Development of an In-Capillary Approach to Nanoscale Automated in Vitro Cytochrome P450 Assays**
R. Nicoli, R. Curcio, S. Rudaz, J.-L. Veuthey, J. Med. Chem., 52 (2009) 2192
118. **Extraction of amino acids by reverse iontophoresis in vivo,** A. Sieg, F. Jeanneret, M. Fathi, D. Hochstrasser, S. Rudaz, J.-L. Veuthey, R.H. Guy, M. B. Delgado-Charro, Eur. J. Pharm. Biopharm., 72 (2009) 226
117. **Some solutions to obtain very efficient separations in isocratic and gradient modes using small particles size and ultra-high pressure,** D. Guillarme, E. Grata, G. Glauser, J.-L. Wolfender, J.-L. Veuthey, S. Rudaz, J. Chromatogr. A, 1216 (2009) 3232
116. **Trypsin immobilization on an ethylenediamine-based monolithic minidisk for rapid on-line peptide mass fingerprinting studies,** R. Nicoli, S. Rudaz, C. Stella, J.-L. Veuthey, J. Chromatogr. A, 1216 (2009) 2695
115. **Differential Analysis of Mycoalexins in Confrontation Zones of Grapevine Fungal Pathogens by Ultrahigh Pressure Liquid Chromatography|Time-of-Flight Mass Spectrometry and Capillary Nuclear Magnetic Resonance.** G. Glauser, K. Gindro, J. Fringeli, J.-P. De Joffrey, S. Rudaz, J.-L. Wolfender, J. Agri. Food Chem., 57 (2009) 1127
114. **Coupling ultra high-pressure liquid chromatography with single quadrupole mass spectrometry for the analysis of a complex drug mixture,** J. Schappler, R. Nicoli, D. Nguyen, S. Rudaz, J.-L. Veuthey, D. Guillarme, Talanta, 78 (2009) 377
113. **Sample preparation development and matrix effects evaluation for multianalyte determination in urine**
I. Marchi, S. Rudaz, J.-L. Veuthey, J. Pharm. Biomed. Anal., 49 (2009) 459
112. **Determination of suxamethonium in a pharmaceutical formulation by capillary electrophoresis with contactless conductivity detection (CE-C4D),** S. Nussbaumer, S. Fleury-Souverain, S. Rudaz, P. Bonnabry, J.-L. Veuthey, J. Pharm. Biomed. Anal., 49 (2009) 333
111. **Atmospheric photoionization for coupling liquid-chromatography to mass spectrometry (Review)**
I. Marchi, S. Rudaz, J.-L. Veuthey, Talanta, 78 (2009) 1

110. **A 3D linear solvation energy model to quantify the affinity of flavonoid derivatives toward P-glycoprotein,** J. Boccard, F. Bajot, A. Di Pietro, S. Rudaz, A. Bomendjel, E. Nicolle, PA Carrupt, Eur. J. Pharm.Sci., 36 (2009) 254
109. **Extraction of amino acids by reverse iontophoresis: Simulation of therapeutic monitoring in vitro** A. Sieg, F. Jeanneret, M. Fathi, D. Hochstrasser, S. Rudaz, J.-L. Veuthey, R.H. Guy, M. B. Delgado-Charro, Eur. J. Pharm. Biopharm., 70 (2008) 908-913
108. **Ultra-fast separation of pharmaceutical compouds with 10 mm columns packed with sub 2µm particles** D. Guillarme, C. Schelling, S. Rudaz, J.-L. Veuthey LC-GC Europe, 21 (2008) 488 – 501
107. **High-resolution profiling of oxylipin-containing galactolipids in Arabidopsis extracts by ultraperformance liquid chromatography|time-of-flight mass spectrometry** G. Glauser, E. Grata, S. Rudaz, J.-L. Wolfender, Rapid Commun. Mass Spectrom., 22 (2008) 3154–3160
106. **Development of immobilized enzyme reactors based on human recombinant cytochrome P450 enzymes for phase I drug metabolism studies** R. Nicoli, M. Bartolini, S. Rudaz, V. Andrisano, J.-L. Veuthey J. Chromatogr. A, 1206 (2008) 2 – 10
105. **Trypsin immobilization on three monolithic disks for on-line protein digestion** R. Nicoli, N. Gaud, C. Stella, S. Rudaz, J-L Veuthey, J. Pharm. Biomed. Anal., 48 (2008) 398 – 407
104. **Highly sensitive detection of pharmaceutical compounds in biological fluids using capillary electrophoresis coupled with laser-induced native fluorescence** J. Schappler, A. Staub, J.-L. Veuthey, S. Rudaz, J. Chromatogr. A, 1204 (2008) 183 – 190
103. **UPLC–TOF-MS for plant metabolomics: A sequential approach for wound marker analysis in Arabidopsis thaliana** E. Grata, J. Boccard, D. Guillarme, G. Glauser, P.-A. Carrupt, E.E. Farmer, J.-L. Wolfender, S. Rudaz J. Chromatogr. B, 871 (2008) 261–270
102. **Evaluation of the coupling between ultra performance liquid chromatography and evaporative scattering detector for selected phytochemical applications,** R. Russo, D. Guillarme, S. Rudaz, C. Bicchi, J.L. Veuthey J. Sep. Sci., 31 (2008) 2377 - 2387
101. **Quantification of cyclosporine and tacrolimus in whole blood. Comparison of liquid chromatography–electrospray mass spectrometry with the enzyme multiplied immunoassay technique** N. Ansermot, M. Fathi, J.-L. Veuthey, J. Desmeules, S. Rudaz, D. Hochstrasser, Clin. Biochem., 41 (2008) 910-913
100. **Profiling of 19-norsteroid sulfoconjugates in human urine by liquid chromatography mass spectrometry** E. Strahm, I. Kohler, S. Rudaz, S. Martel, P.-A. Carrupt, J.-L. Veuthey, M. Saugy, C. Saudan J. Chromatogr. A, 1196-1197 (2008) 153–160
99. **Spatial and Temporal Dynamics of Jasmonate Synthesis and Accumulation in Arabidopsis in Response to Wounding.** G. Glauser, E. Grata, L. Dubugnon, S. Rudaz, E.E. Farmer, J.-L. Wolfender J. Bio. Chem., 283 (2008) 16400 – 16407
98. **Simultaneous quantification of cyclosporine, tacrolimus, sirolimus and everolimus in whole blood by liquid chromatography-electrospray mass spectrometry** N. Ansermot, M. Fathi, J.-L. Veuthey, J. Desmeules, S. Rudaz, D. Hochstrasser Clin. Biochem., 41 (2008) 728-735
97. **Validation of chiral capillary electrophoresis electrospray ionization-mass spectrometry methods for ecstasy and methadone in plasma,** J. Schappler, D. Guillarme, J. Prat, J.-L. Veuthey, S. Rudaz Electrophoresis, 29 (2008) 2193 - 2202
96. **Influence of ABCB1 gene polymorphisms and P-glycoprotein activity on cyclosporine pharmacokinetics in peripheral blood mononuclear cells in healthy volunteers** N. Ansermot, M. Rebsamen, J. Chabert, M. Fathi, M. Gex-Fabry, Y. Daali, M. Besson, M. Rossier, S. Rudaz, D. Hochstrasser, P. Dayer, J. Desmeules Drug Metabolism Letters, 2 (2008) 76-82
95. **Analysis of amphetamine derivatives in plasma using CZE coupled with Laser-Induced Fluorescence (LIF) after derivatization on solid-phase extraction support,** L. Gremaud, J. Schappler, J-L. Veuthey, C. Rohrbasser, S. Rudaz Chimia, 62 (2008) 210 – 214
94. **Micro liquid chromatography coupled with evaporative light scattering detector at ambient and high temperature: optimization of the nebulization cell geometry** D. Guillarme, S. Rudaz, C. Schelling, M. Dreux, J-L. Veuthey J. Chromatogr. A, 1192 (2008) 103 – 112
93. **Validation of an ultra-fast UPLC-UV method for the separation of antituberculosis tablets** D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey J. Sep.Sci., 31 (2008) 1050 - 1056
92. **Profiling of 19-norsteroid sulfoconjugates in human urine by liquid chromatography mass spectrometry** E. Strahm, S. Rudaz, J.-L. Veuthey, M. Saugy, C. Saudan Anal. Chim. Acta, 613 (2008) 228–237
91. **Pharmaceutical applications on columns packed with sub-2µm particles** R. Russo, D. Guillarme, D. Nguyen, C. Bicchi, S. Rudaz, J.L. Veuthey J. Chrom. Sci., 46 (2008) 199-208
90. **High-Throughput log P Determination by Ultra Performance Liquid Chromatography: A Convenient Tool for Medicinal Chemistry** Y. Henchoz, D. Guillarme, S. Rudaz, J.-L. Veuthey, P.-A. Carrupt J. Med. Chem., 51 (2008) 396 – 399
89. **Optimized liquid chromatography–mass spectrometry approach for the isolation of minor stress biomarkers in plant extracts and their identification by capillary nuclear magnetic resonance** G. Glauser, D. Guillarme, E. Grata, J. Boccard, A. Thiocone, P.-A. Carrupt, J.-L. Veuthey, S. Rudaz, J.-L. Wolfender J. Chromatogr. A, 1180 (2008) 90 – 98

88. **Method transfer for fast liquid chromatography in pharmaceutical analysis: Application to short columns packed with small particle. Part II: Gradient separation**
D. Guillarme, D. T.-T. Nguyen, S. Rudaz, J.-L. Veuthey Eur. J. Pharm. Biopharm., 68 (2008) 430-440
87. **Microemulsion electrokinetic chromatography hyphenated to atmospheric pressure photoionization mass** J. Schappler, D. Guillarme, S. Rudaz, J.-L. Veuthey Electrophoresis, 29 (2008) 11 – 19
86. **Chromatographic performance of silica-based stationary phases in high temperature liquid chromatography: Pharmaceutical applications** D. Guillarme, R. Russo, S. Rudaz, C. Bicchi, J.-L. Veuthey Current Pharmaceutical Analysis, 3 (2007) 221-229
85. **Development of a two-step screening ESI-TOF-MS method for rapid determination of significant stress-induced metabolome modifications in plant leaf extracts: the wound response in A. thaliana as a case study** E. Grata, J. Boccard, G. Glauser, E. E. Farmer, J.-L. Wolfender, S. Rudaz J. Sep. Sci., 30 (2007) 2268 - 2278
84. **High throughput liquid chromatography with sub-2μm particles at high pressure and high temperature** D. T.-T. Nguyen, D. Guillarme, S. Heinisch, M.-P. Barrioulet, J.-L. Rocca, S. Rudaz, J.-L. Veuthey J. Chromatogr. A, 1167 (2007) 76 – 84
83. **Quantification of cyclosporine A in peripheral blood mononuclear cells by liquid chromatography-electrospray mass spectrometry using a column-switching approach** N. Ansermot, M. Fathi, J.-L. Veuthey, J. Desmeules, D. Hochstrasser, S. Rudaz J. Chromatogr. B, 857 (2007) 92 - 99
82. **Coupling CE with atmospheric pressure photoionization MS for pharmaceutical basic compounds: optimization of operating parameters** J. Schappler, D. Guillarme, J. Prat, J.-L. Veuthey, S. Rudaz Electrophoresis, 28 (2007) 3078 - 3087
81. **Relation between the particle size distribution and the kinetic performance of packed columns: Application to a commercial sub-2 μm particle material** J. Billen, D. Guillarme, S. Rudaz, J.-L. Veuthey, H. Ritchie, B. Grady, G. Desmet J. Chromatogr. A, 1161 (2007) 224 - 233
80. **Analysis of recent pharmaceutical regulatory documents on analytical method validation (Review)** E. Rozet, A. Ceccato, C. Hubert, E. Ziemons, R. Oprean, S. Rudaz, B. Boulanger, PH. Hubert J. Chromatogr. A, 1158 (2007) 111 – 125
79. **Fast Analysis of Doping Agents by Ultra Performance LC**
I. Marchi, D. T.-T. Nguyen, D. Guillarme, L. Mateus-Avois, M. Saugy, S. Rudaz, J.-L. Veuthey GIT Laboratory Journal Europe, 5-6 (2007) 14-15
78. **Method transfer for fast liquid chromatography in pharmaceutical analysis: Application to short columns packed with small particle. Part I: Isocratic separation**
D. Guillarme, D. T.-T. Nguyen, S. Rudaz, J.-L. Veuthey Eur. J. Pharm. Biopharm., 66 (2007) 475-482
77. **Recent developments in liquid chromatography—Impact on qualitative and quantitative performance**
D. Guillarme, D. T.-T. Nguyen, S. Rudaz, J.-L. Veuthey J. Chromatogr. A, 1149 (2007) 20 - 29
76. **New trend in fast liquid chromatography**
D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey Chimia, 61 (2007) 186 - 189
75. **Evaluation et comparaison de la performance de 12 sets pour perfusion intraveineuse**
P. Bonnabry, Y. Pinget, H. Ing, S. Rudaz Pharm. Hosp., 42 (2007) 11 - 17
74. **Evaluation of the influence of protein precipitation prior to on-line SPE-LC-API|MS procedures with a multivariate data analysis** I. Marchi, S. Rudaz, M. Selman, J.-L. Veuthey J. Chromatogr. B, 845 (2007) 244 - 252
73. **Multivariate data analysis of rapid LC-TOF|MS experiments from Arabidopsis thaliana stressed by wounding** J. Boccard, E. Grata, A. Thiocone, J.-Y. Gauvrit, P. Lantéri, P.-A. Carrupt, J.-L. Wolfender, S. Rudaz Chem. Intel. Lab. System 86 (2007) 189 – 197
72. **Influence of plant matrix on microwave-assisted extraction process. The case of diosgenin extracted from fenugreek (*Trigonella foenum-graecum L.*)** B. Kaufmann, S. Rudaz, S. Cherkaoui, J-L. Veuthey, P. Christen Phytochem. Anal., 18 (2007) 70 - 76
71. **Characterization and comparison of the chromatographic performance of different types of reversed-phase stationary phases** C. Stella, S. Rudaz, J.-Y. Gauvrit, P. Lantéri, A. Huteau, A. Tchapla, J.-L. Veuthey J. Pharm. Biomed. Anal., 43 (2007) 89 – 98
70. **Headspace solid-phase microextraction of pesticide residues in *Cannabis* samples**
Y. Ilias, S. Rudaz, P. Christen, J.-L. Veuthey Chimia, 60 (2006) 846 - 851
69. **Chromatographic behaviour and comparison of column packed with sub-2 μm stationary phases in liquid chromatography** D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey J. Chromatogr. A, 1128 (2006) 105 - 113
68. **Fast analysis in liquid chromatography using small particle size and high pressure (Review)**
D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey J. Sep. Sci., 29 (2006) 1836 - 1848
67. **Interlaboratory study of a NACE method for the determination of R-timolol content in S-timolol maleate: Assessment of uncertainty**. R.D. Marini, C. Groom, F.R. Doucet, J. Hawari, Y. Bitar, U. Holzgrabe, R. Gotti, J. Schappler, S. Rudaz, J.-L. Veuthey, R. Mol, G.W. Somsen, G.J. de Jong, P.T.T. Ha, J. Zhang, A. Van Schepdael, J. Hoogmartens, W. Brione, A. Ceccato, B. Boulanger, D. Mangelings, Y.

Vander Heyden, W. Van Ael I. Jimidar, M. Pedrini, A.-C. Servais, M. Fillet, J. Crommen, E. Rozet, PH. Hubert Electrophoresis, 27 (2006) 2386 - 2399

66. **Nonaqueous capillary electrophoresis method for the enantiomeric purity determination of S-timolol using heptakis(2,3-di-O-methyl-6-O-sulfo)-β-cyclodextrin: Validation using the accuracy profile strategy and estimation of uncertainty** R. D. Marini, A.-C. Servais, E. Rozet, P. Chiap, B. Boulanger, S. Rudaz, J. Crommen, PH. Hubert, M. Fillet, J. Chromatogr. A, 1120 (2006) 102 - 111
65. **Comparison of three approaches for uncertainty estimation,** R. D. Marini, P. Chiap, B. Boulanger, S. Rudaz, E. Rozet, J. Crommen, PH. Hubert Acta Clinica Belgica, 61-S1 (2006) 60 - 63
64. **Enhanced method performances for conventional and chiral CE-ESI|MS analyses in plasma** J. Schappler, D. Guillarme, J. Prat, J.-L. Veuthey, S. Rudaz Electrophoresis, 27 (2006) 1537 - 1546
63. **Practical Constraints in the Kinetic Plot Representation of Chromatographic Performance Data: Theory and Application to Experimental Data.** G. Desmet, D. Clicq, Dao T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey, N. Vervoort, G. Torok, D. Cabooter, P. Gzil, Anal. Chem., 78 (2006) 2150-2162
62. **Strategies for rapid chiral analysis** S. Souverain, L. Geiser, S. Rudaz, J.-L. Veuthey J. Pharm. Biomed. Anal., 40 (2006) 235 - 241
61. **A fast LC-APCI|MS method for analyzing benzodiazepines in whole blood using monolithic support** A. Bugey, S. Rudaz, C. Staub J. Chromatogr. B, 832 (2006) 249 - 255
60. **LC method for the determination of R-timolol in S-timolol maleate: Validation of its ability to quantify and uncertainty assessment.** R. D. Marini, P. Chiap, B. Boulanger, S. Rudaz, E. Rozet, J. Crommen, PH. Hubert Talanta, 68 (2006) 1166 - 1175
59. **Development and validation of a new reversed-phase ion pairing liquid chromatographic method with fluorescence detection for penciclovir analysis in plasma and aqueous humor** F. Schenkel, S. Rudaz, Y. Daali, M. Kondo Oestreicher, J.-L. Veuthey, P. Dayer J. Chromatogr. B, 826 (2005) 1 - 7
58. **Analysis of cocaine and three of its metabolites in hair by gas chromatography-mass spectrometry using ion-trap detection for CI|MS|MS** E. Cognard, S. Rudaz, C. Staub J. Chrom.. B, 826 (2005) 17 - 25
57. **Fast determination of lipophilicity in RP-LC without extrapolation using aqueous eluent** L. Ayouni, G. Cazorla, B. Herbreteau, S. Rudaz, P. Lantéri, P.-A. Carrupt. Chromatographia, 62 (2005) 251 - 255
56. **Statistical and chemometrics tools applied to pharmaceutical** S. Rudaz, J.-L. Veuthey Chimia, 26 (2005) 303 - 307
55. **Synergy at the "Ecole de Pharmacie Genève-Lausanne": methodology developments for the treatment of complex metabolomic datasets with data mining** A. Thiocone, E. Grata, J. Boccard, P.-A. Carrupt, S. Rudaz, J.-L. Wolfender Chimia, 26 (2005) 362 - 635
54. **Development of rapid analytical methods in the Laboratory of Pharmaceutical Analytical Chemistry (LCAP** S. Rudaz, L. Geiser, D. Guillarme, J.-L. Veuthey Chimia, 26 (2005) 326 - 330
53. **Extraction and analysis of different Cannabis samples by headspace solid-phase microextraction combined with gas chromatography - mass spectrometry** Y. Ilias, S. Rudaz, P. Mathieu, P. Christen, J.-L. Veuthey J. Sep. Sci., 28 (2005) 2293 - 2300
52. **Novel RPLC Stationary phases in measuring lipophilicity: solvatochromic analysis of retention mechanism for neutral and basic compounds** X. Liu, A. Galland, S. Rudaz, B. Testa, P.-A. Carrupt, J.-L. Veuthey, C. Stella J. Sep. Sci., 28 (2005) 2350 – 2362
51. **Rapid stereoselective separations of amphetamine derivatives with highly sulphated γ-cyclodextrin** S. Rudaz, L. Geiser, S. Souverain, J. Prat, J.-L. Veuthey Electrophoresis, 26 (2005) 3910 - 3920
50. **Enantioseparation of baclofen with highly sulphated β-CD by CE with Laser- Induced Fluorescence detection** G. Kavran-Belin, S. Rudaz, J.-L. Veuthey J. Sep. Sci., 28 (2005) 2187 - 2192
49. **A study of interlaboratory influence on column evaluation** C. Stella, S. Heinisch, X. Liu, PA Carrupt, G. Cazorla, JY. Gauvrit, P. Lantéri, K. Le Mapihan, J. Vial, S. Héron, A. Tchapla, JL Rocca, J.-L. Veuthey, S. Rudaz J. Pharm. Biomed. Anal., 39 (2005) 104-110
48. **Decreasing analysis time in CE: validation and comparison of quantitative performances in several approaches** L. Geiser, S. Rudaz, J.-L. Veuthey Electrophoresis, 26 (2005) 2293 - 2302
47. **Conversion of Cyclosporin A prodrugs in human tears vs rabbit tears** F. Lallemand, O. Felt-Baeyens, S. Rudaz, AR. Hamel, F. Hubler, R. Wenger, M. Mutter, F. Besseghir, R. Gurny European Journal of Pharmaceutics and Biopharmaceutics, 59 (2005) 51-56
46. **Ultrashort partial-filling technique in capillary electrophoresis for infinite resolution of tramadol enantiomers and its metabolites with highly sulfated cyclodextrins** S. Rudaz, T. le Saux, J. Prat, P. Gareil, J.-L. Veuthey Electrophoresis, 25 (2004) 2761 - 2771
45. **Development of a bioreactor based on trypsin immobilised on monolithic support for the on-line digestion and identification of proteins** E. Calleri, C. Temporini, E. Perani, C. Stella, S. Rudaz, D. Lubda, G. Mellerio, J.-L. Veuthey, G. Caccialanza, G. Massolini J. Chromatogr. A, 1045 (2004) 99 – 10
44. **Matrix effect in LC-ESI-MS and LC-APCI-MS with off-line and on-line extraction procedures.** S. Souverain, S. Rudaz, J.-L. Veuthey J. Chromatogr. A, 1058 (2004) 61 - 66
43. **Protein precipitation for the analysis of a drug cocktail in plasma by LC-ESI-MS** S. Souverain, S. Rudaz, J.-L. Veuthey J. Pharm. Biomed. Anal., 35 (2004) 913 – 920

42. **Analysis of Cannabis Material by Headspace Solid-Phase Microextraction Combined with GC-MS** Y. Ilias, S. Rudaz, P. Mathieu, J.-L. Veuthey, P. Christen Chimia, 58 (2004) 219 – 221
41. **Restricted access material and large particle supports for on-line preparation: an attractive approach for the biological fluids (Review)**
S. Souverain, S. Rudaz, J.-L. Veuthey J. Chromatogr. B, 801 (2004) 141 – 156
40. **Time course of response to venlafaxine: relevance of plasma level and chirality**
M. Gex-Fabry, AE. Balant-Gorgia, L. Balant, S. Rudaz, J.-L. Veuthey, G. Bertschy Eur. J. Clin. Pharmacol., 59 (2004) 883 - 891
39. **Column switching procedures for the fast analysis of drugs in biological samples**
J.-L. Veuthey, S. Souverain, S. Rudaz Ther. Drugs Monitoring, 26 (2004) 161 - 166
38. **Analysis of basic compounds at high pH values by reversed-phase liquid chromatography**
C. Stella, S. Rudaz, M. Mottaz, P.-A. Carrupt, J.-L. Veuthey J. Sep. Sci., 27 (2004) 284 – 292
37. **Automated LC-MS method for the fast stereoselective determination of methadone in plasma**
S. Souverain, C. Eap, J.-L. Veuthey, S. Rudaz Clinical Chem. Laboratory Medicine, 41 (2003) 1615 – 1621
36. **Validation of capillary electrophoresis – mass spectrometry methods for the analysis of a pharmaceutical formulation** L Geiser, S. Rudaz, J.-L. Veuthey Electrophoresis, 24 (2003) 3049-3056
35. **Infinite enantiomeric resolution of basic compounds using highly sulphated cyclodextrin as chiral selector in capillary electrophoresis** S. Rudaz, E. Calleri, L Geiser, S. Cherkaoui, J. Prat, J.-L. Veuthey Electrophoresis, 24 (2003) 2633 - 2641
34. **Development and validation of a heart-cutting LC-MS method for the determination of process related substances in cetirizine material** S. Rudaz, S. Souverain, C. Schelling, M. Deelers, A. Klomp, A. Norris, B. Ariano, J.-L. Veuthey, Analytica Chimica Acta, 492 (2003) 271 - 282
33. **An effective tool for column evaluation in the analysis of basic compounds** C. Stella, P. Seuret, S. Rudaz, PA Carrupt, JY Gauvrit, P. Lantéri, J.-L. Veuthey Chimia, 57 (2003) 210 - 213
32. **Use of monolithic supports for the fast analysis of drugs and metabolites in plasma by direct injection**
S. Souverain, S. Rudaz, J.-L. Veuthey Chromatographia, 57 (2003) 569 - 575
31. **New extraction supports for the fast analysis of pharmaceuticals compounds in biological samples by direct injection** S. Souverain, S. Rudaz, J.-L. Veuthey GIT Laboratory Journal Europe, 7 (2003) 80 - 83
30. **Use of LPS for fast analysis of methadone and its primary metabolites (EDDP) in human plasma by LC-MS** S. Souverain, S. Rudaz, D. Ortelli, J.-L. Veuthey J. Chromatogr.B, 784 (2003) 117 – 123
29. **Characterization of chromatographic supports for the analysis of basic compounds** C. Stella, P. Seuret, S. Rudaz, PA Carrupt, JY Gauvrit, P. Lantéri, JL Veuthey J. Sep. Sci., 25 (2002) 1351 - 1363
28. **Simplification of a chromatographic test for the evaluation of base deactivated supports** C. Stella, P. Seuret, S. Rudaz, A Tchapla, J Gauvrit, P. Lantéri, JL Veuthey Chromatographia 56 (2002) 665 - 671
27. **Use of vancomycin silica stationary phase in packed capillary electrochromatography IV. Enantiomer separation of fluoxetine and norfluoxetine employing UV high sensitivity detection cell.**
C. Desiderio, S. Rudaz, J.-L. Veuthey, MA Raggi, S. Fanali J. Sep. Sci., 25 (2002) 1291 - 1296
26. **Nouveaux supports d'extraction pour l'analyse de substances pharmaceutiques**
S. Souverain, S. Rudaz, J.-L. Veuthey Bioforum International Edition Française, 2 (2002) 34 - 36
25. **Nanoscale liquid chromatography and capillary electrophoresis coupled to electrospray mass spectrometry for the detection of amyloid-β peptide related to Alzheimer's disease**
E. Varesio, S. Rudaz, KH Krause, J.-L. Veuthey J. Chromatogr. A, 974 (2002) 135 - 142
24. **Steady-state concentration of venlafaxine enantiomers: model-based analysis of between patients variability** M. Gex-Fabri, S. Rudaz, A. Brachet, J.-L. Veuthey, L. Balant, G. Bertschy Eur. J. Clin. Pharmacol., 58 (2002) 323 - 331
23. **Restricted access materials for fast analysis of methadone in serum by liquid chromatography-mass spectometry.** D. Ortelli, S. Rudaz, S. Souverain, J.-L. Veuthey J. Sep. Sci., 25 (2002) 222 – 228
22. **Optimization of accelerated solvent extraction method of cocaine and benzoylecgonine from coca leaves.** A. Brachet, S. Rudaz, L. Mateus, P. Christen, J.-L. Veuthey J. Sep. Sci., 24 (2001) 865 - 873
21. **Use of DOE to investigate CE-ESI|MS enantioseparation with the partial filling technique.** S. Rudaz, S. Cherkaoui, JY Gauvrit, P. Lantéri, J.-L. Veuthey Electrophoresis, 22 (2001) 3316 - 3326
20. **On-line CE-electrospray mass spectrometry for the stereoselective analysis of drugs and metabolites**
S. Cherkaoui, S. Rudaz, E. Varesio, J.-L. Veuthey Electrophoresis, 22 (2001) 3308 - 3315
19. **Use of Vancomycin silica stionary phase in packed capillary electrochromatography II. Enantiomeric separation of venlafaxine and O-desmethyl venlafaxine in human plasma.**
S. Fanali, S. Rudaz, J.-L. Veuthey, C. Desiderio J. Chromatogr.A, 919 (2001) 195 - 203
18. **Silica and other materials as supports in liquid chromatography, Chromatographic tests and their importance to evaluate deactivated supports (Part II) (Review).**
C. Stella, S. Rudaz, J.-L. Veuthey, A. Tchapla Chromatographia, 53 (2001) S132 - S140
17. **Silica and other materials as supports in liquid chromatography, Chromatographic tests and their importance to evaluate deactivated supports (Part I) (Review).**
C. Stella, S. Rudaz, J.-L. Veuthey, A. Tchapla Chromatographia, 53 (2001) S113 - S131

16. **A new poly(ortho ester)-based drug delivery system for the adjunct treatment of filtering surgery** S. Einmahl, F. Behar-Cohen, F. D'Hermies, S. Rudaz, C. Tabatabay, G. Renard, R. Gurny Investigative Ophtalmic and Visual Science, 42 (2001) 695 – 700
15. **Nonaqueous capillary electrophoresis-mass spectrometry for separation of venlafaxine and its phase I metabolites.** S. Cherkaoui, S. Rudaz, J.-L. Veuthey Electrophoresis, 22 (2001) 491 – 496
14. **Analysis of dihydroartemisinin in plasma by Liquid Chromatography- Mass Spectrometry** D. Ortelli, S. Rudaz, E. Cognard, J.-L. Veuthey Chromatographia, 52 (2000) 445 - 450
13. **Resolution of venlafaxine and O-desmethylvenlafaxine by CE using charged cyclodextrins.** S. Rudaz, C. Stella, A.-E. Ballant-Gorgia, S. Fanali, J.-L. Veuthey J. Pharm. Biomed. Anal., 23 (2000) 107 - 115
12. **Enantioselective analysis of methadone in saliva by LC - mass spectrometry.** D. Ortelli, S. Rudaz, A. Mino, J.-J. Deglon, L. Balant, J.-L. Veuthey J. Chromatogr. A, 871 (2000) 163 – 172
11. **Simultaneous stereoselective analysis of tramadol and its main phase I metabolites by on-line capillary zone electrophoresis-electrospray ionization mass spectrometry.** S. Rudaz, S. Cherkaoui, P. Dayer, S. Fanali, J.-L. Veuthey J. Chromatogr.A, 868 (2000) 295 – 303
10. **Enantiomeric separation of fluoxetine and norfluoxetine in plasma and serum samples with high detection sensitivity capillary electrophoresis.** C. Desiderio, S. Rudaz, M.-A. Raggi, S. Fanali. Electrophoresis, 20 (1999) 3432 - 3438
9. **On-line capillary electrophoresis electrospray mass-spectrometry for the analysis of pharmaceuticals.** S. Cherkaoui, S. Rudaz, E. Varesio, J.-L. Veuthey Chimia, 53 (1999) 501 - 505
8. **Enantioseparation of venlafaxine and O-desmethylvenlafaxine by capillary electrophoresis with mixed cyclodextrins.** S. Rudaz, C. Desiderio, J.-L. Veuthey, S. Fanali Chromatographia, 50 (1999) 369 - 372
7. **Simultaneous stereoselective determination of tramadol enantiomers and its main phase I metabolites in urine by CE.** S. Rudaz, J.-L. Veuthey, C. Desiderio, S. Fanali J.Chromatogr.A, 846 (1999) 227 - 237
6. **Development of validated stereoselective methods for methadone determination in clinical samples.** S. Rudaz, D. Ortelli, M. Gex-Fabri, J.-J. Déglon, L. Balant, J.-L. Veuthey Chirality, 11 (1999) 487 - 494
5. **Chiral stationary phase for stereoselective determination of methadone in biological fluids.** S. Rudaz, J.-L. Veuthey Chirality, 11 (1999) 319 – 325
4. **Use of cyclodextrins in capillary electrophoresis. Resolution of tramadol enantiomers.** S. Rudaz, C. Desiderio, J.-L. Veuthey, S. Fanali Electrophoresis, 19 (1998) 2883 - 2889
3. **Evaluation of procedures for SPE of [^{125}I] - methadone from serum on to discs and cartridges.** S. Rudaz, W. Haerdi, J.-L. Veuthey Chromatographia, 44 (1997) 283 - 288
2. **Stereoselective determination of methadone in serum by HPLC following solid-phase extraction on disk.** S. Rudaz, J.-L. Veuthey J. Pharm.Biomed. Anal., 14 (1996) 1271 – 1279
1. **Stereoselective interaction between Piroxicam and Acenocoumarol.** P. Bonnabry, J. Desmeules, S. Rudaz, T. Leemann, J.-L. Veuthey, P. Dayer Br. J. Clin. Pharmacol., 41 (1996) 525 - 530

PUBLICATIONS – Book and Chapters

3. Book || **Quantification, Validation and Uncertainty in Analytical Sciences, An Analyst's Companion** Max Feinberg and Serge Rudaz, Wiley-VCH Verlag GmbH | Blackwell Verlag GmbH (2024) ISBN 9783527353323

2. Book || **Labo-Stat 2, Guide pour l'incertitude de mesure,** M. Feinberg, M. Laurentie, S. Rudaz Lavoisier / Tec Et Doc (2022) – Paris (France) ISBN 978-7430-2646-3

1. Book || **Futur science e-book project "Identification and Data Processing Methods in Metabolomics" Serge Rudaz Editor, (184 pages), doi: 10.4155|8781910420287** Futur Science LTD, San Diego, CA 92101-4495, USA (2015) ISBN: 978-1-910420-28-7

---

27. **Extracting Knowledge from MS Clinical Metabolomic Data: Processing and Analysis Strategies,** I. Meister, J. Boccard and S. Rudaz in Clinical Metabolomics: Methods and Protocols, Methods in Molecular Biology, vol. 1730, Chap. 29, Martin Giera (ed.), Springer Science+Business Media, LLC (2025) ISBN 978-1071641156
26. **Workflow for Knowledge Discovery from Metabolomic Data Using Chemometrics,** M. De Figueiredo, J. Boccard and S. Rudaz in A Practical Guide to Metabolomics Applications in Health and Disease From Samples to Insights into Metabolism, Chap. 7, Martin Giera Julijana Ivanisevic (ed.), Springer Science+Business Media, LLC (2024) ISBN978-3-031-44255-1
25. **Data Analysis Strategies in CE–MS for Metabolomics,** N. Drouin, J. Boccard, S. Rudaz, V. González-Ruiz, Capillary Electrophoresis in Mass Spectrometry for Proteomics and Metabolomics: Principles and Applications, (2022) John Wiley & Sons

24. **Evaluation of Prototype CE-MS Interfaces,**
S. Ferré, J. Boccard, S. Rudaz, V. González-Ruiz In: Methods Molecular Biology (2022), Vol. 2531, Page 1 – 13, Christian Neusüβ and Kevin Jooß (Eds): Capillary Electrophoresis-Mass Spectrometry, Book ISBN 978-1-0716-2492-0 - 10.1007|978-1-0716-2493-7_1

23. **Analysis of metabolomic data – A chemometrics perspective,**
J. Boccard and S. Rudaz, In: Comprehensive Chemometrics (Second Edition), Editors: Steven Brown, Roma Tauler, Beata WalczakEditor, Elsevier (2020) 483-505. Book ISBN: 9780444641656, eBook ISBN: 9780444641663

22. **MS metabolomic data handling for biomarker discovery**
J. Boccard, V. González-Ruiz, S. Codesido, S. Rudaz In Elsevier book project "Proteomic, and Metabolomic Approaches to Biomarker Discovery", second edition. Timothy D. Veenstra, Haleem J. Issaq Editors Academic Press, San Diego, CA 92101-4495, USA (2020) ISBN: 978-0-12-818607-7

21. **Statistical Methods in Quality by Design Approach to Liquid Chromatography Methods Development**, H. T. Avohou, C. Hubert, B. Debrus, P. Lebrun, S. Rudaz, B. Boulanger, P. Hubert, In: S. Fekete and I. Molnàr (eds) Software-Assisted Method Development in High Performance Liquid Chromatography World Scientific Publishing Europe Ltd. London, England (2018) ISBN: 978-1-78634-546-2

20. **Integration of Metabolomic Data from Multiple Analytical Platforms: Towards Extensive Coverage of the Metabolome** J. Boccard and S. Rudaz In: Joquaut, J, Bedia C, Tauler R (eds) Data Analysis for Omic Sciences: Methods and Applications, Comprehensive Analytical Chemistry, Vol 82. Elsevier, Amsterdam, Netherlands (2018) ISBN: 978-0-444-64044-4

19. **UHPLC-HRMS Analysis for Steroid Profiling in Serum (Steroidomics),** F. Ponzetto, J. Boccard, R. Nicoli, T. Kuuranne, M. Saugy, S. Rudaz In: Theodoridis G., Gika H., Wilson I. (eds) Metabolic Profiling. Methods in Molecular Biology, vol 1738. Humana Press, New York, NY (2018) ISBN: 978-1-4939-7642-3

18. **Extracting Knowledge from MS Clinical Metabolomic Data: Processing and Analysis Strategies,**
J. Boccard and S. Rudaz in Clinical Metabolomics: Methods and Protocols, Methods in Molecular Biology, vol. 1730, Chap. 28, Martin Giera (ed.), Springer Science+Business Media, LLC (2018) ISBN 978-1-4939-7592-1

17. **Capillary Electrophoresis-Ultraviolet-Mass Spectrometry (CE-UV-MS) for the Simultaneous Determination and Quantification of Insulin Formulations** J. Schappler and S. Rudaz in Capillary Electrophoresis of Proteins and Peptides, Methods and Protocols, Nguyet Thuy Tran and Myriam Taverna (eds): Humana Press, © Springer Science+Business Media New York (2016) ISBN 978-1-4939-4012-7

16. **Methods for Doping Detection,** F. Ponzetto, S. Giraud, N. Leuenberger, J. Boccard, R. Nicoli, N. Baume, S. Rudaz, M. Saugy in "Use of Performance-Enhancing Endocrine Drugs (Doping) in Competitive and Recreational Sports Activity", Lanfranco F, Strasburger C (eds): Sports Endocrinology, Front Horm Res. Basel, Karger (2016) ISBN 978–3–318–05868–0

15. **CE-MS in Drug Analysis and Bioanalysis** J. Schappler, V. González-Ruiz, S. Rudaz
In "Capillary Electrophoresis Mass Spectrometry, Principles and Applications". Gerhardus de Jong Editor Wiley VCH Verlag GmbH & Co., KGaA, Weinheim, Germany (2016) ISBN: 978-3-527-33924-2

14. **Nonaqueous Capillary Electrophoresis** J. Schappler and S. Rudaz In Wiley-VCH book project, Volume 2 ""Analytical Separation Science". Wiley VCH Verlag GmbH & Co., KGaA, Weinheim, Germany (2016). ISBN: 978-3-527678-12-9

13. **From raw signals to identified metabolites : recent tools for enhancing LC-MS untargeted metabolomic data processing** D. Tonoli, F. Jeanneret, J. Boccard, S. Rudaz In Futur science e- book project "Identification and Data Processing Methods in Metabolomics" Serge Rudaz Editor, Futur Science LTD, San Diego, CA, USA (2015) ISBN: 978-1-910420-28-7

12. **MS metabolomic data handling for biomarker discovery**
J. Boccard and S. Rudaz In Elsevier book project "Proteomic, and Metabolomic Approaches to Biomarker Discovery" Timothy D. Veenstra, Haleem J. Issaq Editors Academic Press, San Diego, CA 92101-4495, USA (2013) ISBN: 978-0-12-394446-7

11. **Coupling UHPLC with MS: needs, challenges, and applications**
J. Schappler, S. Rudaz, J.-L. Veuthey, D. Guillarme In UHPLC and its applications Quanyun, A.X., Editor, Wiley (2013) Published by John Wiley and Sons, Inc., Hoboken New Jersey ISBN: 978-0-470-93842-3

10. **Metabolomics: Application in plant sciences**
G. Glauser, J. Boccard, J.-L. Wolfender, S. Rudaz In Wiley-VCH book project "Metabolomics in Practice" M. Laemmerhofer and W. Weckwerth Editors, Wiley VCH Verlag GmbH & Co., KGaA, Weinheim, Germany (2013) ISBN: 978-3-527-33089-8

9. **Method transfer between conventional HPLC and UHPLC**
B. Debrus, E. Rozet, P. Hubert, J.-L. Veuthey, S. Rudaz, D. Guillarme In UHPLC in life sciences. J.-L. Veuthey and D. Guillarme Editors, Royal Society of Chemistry, England (2012). ISBN: 978-18-49-73388-5.

8. **Search for low-molecular-weight biomarkers in plant tissues and seeds using metabolomics: tools, strategies and applications** G. Marti, M. Erb, S. Rudaz, T. Turlings, J.-L. Wolfender In Seed Development: OMICS Technologies toward Improvement of Seed Quality and Crop Yield Agrawal, Ganesh K.; Rakwal, Randeep (Eds.), Springer Verlag, Heidelberg, Germany, (2012) ISBN 978-94-007-4749-4
7. **Chiral CE-MS**
S. Rudaz, J.-L. Veuthey, J. Schappler In Chromatographic Science Series, Volume 100: Chiral Separations by Capillary Electrophoresis A. Van Eeckhaut and Y. Michotte Editors, CRC Press, Taylor & Francis, Boca Raton, USA (2009) ISBN: 978-1-4200-6933-4
6. **Coupling CE and microchip-based devices with mass spectrometry**
J. Schappler, J.-L. Veuthey, S. Rudaz In Separation Science and Technology, Volume 9: Capillary Electrophoresis Methods for Pharmaceutical Analysis S. Ahuja and I. Jimidar Editors, Elsevier Science Ltd, Oxford, UK (2008). ISBN: 978-0-123-72573-8
5. **Chromatographic Approaches for Measuring Log P**
S. Martel, D.Guillarme, Y. Henchoz, A. Galland, J.-L. Veuthey, S. Rudaz and P.-A. Carrupt In Molecular Drug Properties: Measurement and Prediction Raimund Mannhold (Series Editor), Hugo Kubinyi (Series Editor), Gerd Folkers (Series Editor) Wiley VCH Verlag GmbH & Co., KGaA, Weinheim, Germany, (2007). ISBN: 978-3-527-31755-4
4. **Multidimensional SPE approaches in quantitative bioanalysis and clinical analysis using LC-MS**
J.-L. Veuthey and S. Rudaz In Encyclopedia of Mass spectrometry, Volume 8: Hyphenated methods W. Niessen Editor, Pergamon – Elsevier Science Ltd, Oxford, UK (2006) ISBN 978-0-08-043847-4.
3. **Capillary electrophoresis coupled to mass spectrometry for chiral applications**
S. Rudaz and J.-L. Veuthey in Chirality in Drug Research,
E. Francotte and W. Lindner Editors, Wiley VCH Verlag GmbH & Co., KGaA, Weinheim, Germany, (2006) ISBN 3-527-31076-2.
2. **Capillary electrophoresis in Pharmaceutical Analysis**
J.-L. Veuthey, L. Geiser and S. Rudaz in Electrokinetic Chromatography: theory, instrumentation and applications Handbook of experimental pharmacology, U. Pyell Editor, John Wiley & Sons LTD, United Kingdom (2006) ISBN 0-470-87102-4.
1. **Stereoselective separations: recent advances in capillary electrophoresis and high-performance liquid chromatography.**
S. Rudaz and J.-L. Veuthey in Stereochemical Aspect of Drug Action and Disposition, Handbook of experimental pharmacology, M. Eichelbaum, B. Testa and A. Somogyi Editors, Springer Verlag, Heidelberg, Germany, (2003) ISBN 3-540-41593-9.

PUBLICATIONS – Proceeding and invited contributions

33. **PBA 2024: 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024)** S. Rudaz CHIMIA (2024) 78 (12), 889-890
32. **Réforme des études: présentation du programme / Reform des Studiums: Vorstellung des neuen Programms.Schneider,** M.; Kaufmann, B.; Cuendet, M.; Bourquin, C., Nowak-Sliwinska, P.; Berger, J.; Csajka, C.; Gervasio, F.; Sadeghipour, F.; Rudaz, S.; Veuthey, JL.; Borchard, G., pharmaJournal 2022, 10 :26-30
31. **The Bioanalysis Glossary** Member of the Bioanalysis Glossary Panel || Bioanalysis (2020) 4th Edition Bioanalysis Vol. 12, N°21, Suppl.1
30. **A mature ROMANCE: a matter of quantity and how two can be better than one**
S. Codesido, N. Drouin, S. Ferre, J. Schappler, S. Rudaz, V. González-Ruiz, ChemRxiv (2020)
29. **Chronic Kidney Disease, Toward a Better Understanding of the Disease Using Metabolomics,** Y. Gagnebin, J. Pezzatti, P. Lescuyer, J. Boccard, B. Ponte, S. Rudaz, G.I.T. Laboratory Journal 24 (2020) 30
28. **De la validation des méthodes à la validation des résultats,** M. Feinberg and S. Rudaz, Techniques de l'Ingénieur, Réf. : P225 V2 (2019)
27. **The Bioanalysis Glossary** Member of the Bioanalysis Glossary Panel || Bioanalysis (2018) 3th Edition
26. **Measurement uncertainty of the analytical methods in drug monitoring (Incertitude de mesure des méthodes analytiques dans le contrôle du médicament),** Commission SFSTP, J.-M. Roussel, S. Botalla J.-L. Beltramo, A. Belveze, M. Berthier, Y. Legras, D. Maire, C. Niewiazski, O. Ruaudel, S. Rudaz, D. Sotty, STP PHARMA PRATIQUES - volume 27 - N° 4 - juillet-août 2017
25. **The Bioanalysis Glossary** Member of the Bioanalysis Glossary Panel || Bioanalysis (2016) 2nd Edition
24. **Une solution fiable et peu coûteuse pour contrôler la qualité des médicaments dans les pays émergents,** E. A. Diop, J. Schappler, E. Reginato, C. Rohrbasser, P. Bonnabry, S. Rudaz, PharmaJournal 24 (2016) 6
23. **Characterization of Counterfeits and Substandard Medecines using Capillary Electrophoresis,** J. Schappler and S. Rudaz, Advances in Pharmaceutical Analysis, LC-GC, 29 s10 (2016) 38 - 42
22. **Longitudinal Monitoring of Endogenous Blood Steroids as a Tool to Detect Testosterone Abuse in Sport** F. Ponzetto, J. Boccard, N. Baume, S. Rudaz, M. Saugy, R. Nicoli, Chimia, 68 (2016) 766

21. **New Trends in Sample Preparation for Bioanalysis (Review),** N. Droin, S. Rudaz, J. Schappler, American Pharmaceutical reviews, Biopharm Development, January|February (2016)
20. **Development and Validation of a Capillary Electrophoresis Method for Quality Assessment of Metronidazole-based Drugs,** S. O. Sarr, E.H.A. Diop, A. Diop, A.G.S. Atouni, S.M. Ndiaye, C.A. Wafo Tchounga, R. Gueye, K. Thiam, T. M. Wane, A. Sarr, B. Ndiaye, S. Rudaz, Y.M. Diop, Int. J. Modern Anal. Sep. Sci. 5 (2016) 1-11
19. **The Bioanalysis Glossary** Member of the Bioanalysis Glossary Panel || Bioanalysis Vol. 6 (2014) Suppl. 1
18. **Non-aqueous Capillary Electrophoresis for the Analysis of Pharmaceutical Acidic Compounds Using Negative ESI-MS** G. Bonvin, J. Schappler, S. Rudaz Chimia, 68 (2014) 766
17. **Différentiation d'huile essentielle de citron basée sur l'analyse des fractions volatile et non-volatile par plusieurs techniques analytiques** F. Mehl, G. Marti, J. Boccard, B. Debrus, P. Merle, E. Delort, L. Baroux, M. I. Velazco, H. Sommer, J.-L. Wolfender, S. Rudaz Spectra Analyses 294 (2013) 48 - 57
16. **Influence des polymorphismes génétiques sur la variabilité de la réponse aux opioïdes** N. Marsousi, V. Ancrenaz, Y. Daali, S. Rudaz, C. Samer, J. Desmeules Douleur analg.DOI 10.1007|s11724-013-0358-4
15. **Fail to Prepare, Prepare to Fail** S. Rudaz and L. Ramos The Analytical Scientist, 5 (2013) 30 - 36
14. **(Editorial) | Electrophoresis, Special issue, 27th Int. Symposium on MicroScale Bioseparations and Analyses, MSB2012,** Geneva, February 12–15, 2012 G. Rozing, J. Schappler, S. Rudaz Electrophoresis 33 (2012) 3265–3266
13. **Microextraction liquid-liquide dispersive combine à l'électrophorèse capillaire et la spectrométrie de masse pour l'analyse de l'urine** I. Kohler, J. Schappler, T. Sierro, S. Rudaz CJ Mag, N°4 - Juillet (2012) 3
12. **(Editorial) | Les multiples clés de la réussite in Special issue "Metabolomique et biomarqueurs"** Spectra Analysis, 284 (2012) - Editorial
11. **Blood Doping Detection – A new analytical Approach with Capillary Electrophoresis** A. Staub, S. Rudaz, M. Saugy, J.-L. Veuthey, J. Schappler Chimia, 64 (2010) 886
10. **Competitive interactions between fungi: a new source of original bioactive molecules** G. Glauser, K. Gindro, S. Rudaz, J.-L. Wolfender Planta Medica, 75 (2009) 1075
9. **Metabolite profiling of plant extracts by ultra-high-pressure LC at elevated temperature coupled to time-of-flight mass** D. Guillarme, G. Glauser, E. Grata, S. Rudaz, J.-L. Wolfender Planta Medica, 75 (2009) 1075
8. **Dosage de la ciclosporine dans les cellules mononucléaires du sang** N. Ansermot, M. Fathi, J.-L. Veuthey, J. Desmeules, D. Hochstrasser, S. Rudaz Pipette, 9 (December 2008) 15 – 16
7. **UPLC-TOF-MS for high resolution plant metabolite profiling and metabolomics** J.-L. Wolfender, G. Glauser, E. Grata, S. Rudaz Planta Medica, 74 (2008) 919 – 920
6. **Plant Metabolomics – Strategies for Biomarker Detection, Isolation and Identification** Highlights E. Grata, J. Boccard, G. Glauser, D. Guillarme, P.-A. Carrupt, J.-L. Wolfender, S. Rudaz Chimia, 62 (2008) 20, 685
5. **UPLC-TOF-MS for Plant Metabolomics: A Powerful Tool for Discriminating Stress States in Plants and Detecting Low-Level Wound Biomarkers** G. Glauser, E. Grata, J. Boccard, E. Marsden-Edwards, H. Major, P.-A. Carrupt, S. Rudaz, J.-L. Wolfender American Laboratory On-Line Edition, June 2008
4. **Cannabis Profiling: which analytical strategy to apply?** Highlights of analytical chemistry in Switzerland Y. Ilias, S. Rudaz, P. Christen, J.-L. Veuthey Chimia, 58 (2006) 1
3. **Early onset of response to venlafaxine: association with higher plasma level and increased exposure to the noradrenergic enantiomer.** M. Gex-Fabry, A.E. Balant-Gorgia, L.P. Balant, S. Rudaz, J.L. Veuthey, G. Bertschy, European Psychiatry (2004) 19: 120S-121S Suppl. 1
2. **Cyclosporine A prodrug for topical delivery to the eye.** F. Lallemand, F. Behar-Cohen, O. Felt-Baeyens, S. Rudaz, P. Furrer, K, Besseghir, J.-M. Dumont, R. Gurny, Ocular Pharmacology and Therapeutics ISOPT, Proceedings of the International Symposium, 5th, Monte Carlo, Monaco, (2004) March 11-14
1. **Chiral separation in Toxicology.** J.-L. Veuthey, S. Rudaz, C. Staub Proceeding of 34th Triennial Meeting of the International Association of Forensic Toxicologists, Drug abuse testing, 2 (1997) 283-288

INVITED LECTURES at EXTERNAL UNIVERSITIES

2026 **Data Structures in Metabolomics: Key Questions and Solutions,** Leiden University (The Netherlands)
2025 **Comprehensive Steroid Profiling as bioanalytical readouts for toxicology : Uncover hormonal alterations in cannabis users** (1h) Seminar for PhD students, College of Pharmacy, Insbruck University, (Austria)
2025 **An introduction to Metabolomics** (2h), Seminar for Bachelor students, College of Pharmacy, Jinan University, Guangzhou (China)
2024 **From Untargeted studies to Clinical metabolomics,** Seminar for PhD students, July 10th, Universidad San Pablo CEU, Madrid (Spain)

2024 **Produits falsifiés et sous standard: une proposition.** XXII[ème] Congrès International des Facultés de Pharmacie d'Expression Française, May 28, 2024, Université internationale Abulcasis des Sciences de la santé, Faculté de Pharmacie, Rabat (Maroc)

2024 **Integrating metabolomic data from multiple analytical platforms for a comprehensive characterization of lemon essential oil** Leiden University (The Netherlands)

2024 **Introduction aux concepts méthodologiques et applicatifs en « omics ».** Seminar for PhD students (2h), Club Jeune AFSEP 2024, 21-24 mai 2024, Le Lavandou (France)

2023 **Endogenous metabolomic signatures, a key read-out in pharmaceutical sciences.** Seminar for Master students (2h), College of Pharmacy, Jinan University, Guangzhou (China)

2023 **An introduction to Metabolomics** (2h), Seminar for Bachelor students, College of Pharmacy, Jinan University, Guangzhou (China)

2023 **From Data to biologically relevant patterns, Theory behind PCA & hands-on tutorial (3h)** SymbNET Metabolomics Workshop, University of Lausanne (Switzerland)

2023 **A chemometric solution for multiblock metabolomic approach, lemon essential oil as a case study** (2h) Leiden University (The Netherlands)

2022 **Endogenous signatures, an introduction to Metabolomics** (2h), e-seminar (2h) College of Pharmacy, Jinan University, Guangzhou (China)

2022 **Multiblock metabolomic approach in the analysis of lemon essential oil with UHPLC-MS, NMR and GC-FID|MS,** e-seminar (2h) for Leiden University (The Netherlands)

2021 **Endogenous signatures, an introduction to Metabolomics** (2h), e-seminar (2h) College of Pharmacy, Jinan University, Guangzhou (China)

2021 **Strategies for Method optimization** (3h) Ecole des Sciences Criminelles (ESC), Université de Lausanne (Switzerland)

2021 **New insight for in-vitro metabolism studies with the cocktail approach** (Zoom seminar - 4h), Master II – Esperto in Chimica Analytica per l'Industria farmaceutica, Scienze del Farmaco, Università degli Studi di Pavia (Italia)

2021 **Multiblock metabolomic approach in the analysis of lemon essential oil with UHPLC-MS, NMR and GC-FID|MS,** e-seminar (2h) for Leiden University (The Netherlands)

2020 **Endogenous signatures, an introduction to Metabolomics** (2h), e-seminar (2h) College of Pharmacy, Jinan University, Guangzhou (China)

2020 **Multiblock metabolomic approach in the analysis of lemon essential oil with UHPLC-MS, NMR and GC-FID|MS,** e-seminar (2h) for Leiden University (The Netherlands)

2020 **In-vitro metabolism studies with the cocktail approach** (Zoom seminar - 4h), Master II – Esperto in Chimica Analytica per l'Industria farmaceutica, Scienze del Farmaco, Università degli Studi di Pavia (Italia)

2019 **A short insight into the concept of Design of Experiments** (2h) -Ecole des Sciences Criminelles (ESC), Université de Lausanne (Switzerland)

2019 **An introduction to Chromatographic techniques hyphenated to MS** (4h), College of Pharmacy, Jinan University, Guangzhou (China)

2019 **In-vitro metabolism studies with the cocktail approach** (4h), Master II – Esperto in Chimica Analytica per l'Industria farmaceutica, Scienze del Farmaco, Università degli Studi di Pavia (Italia)

2019 **Multiblock metabolomic approach in the analysis of lemon essential oil with UHPLC-MS, NMR and GC-FID|MS,** Leiden University (The Netherlands)

2018 **Couplage de l'électrophèse capillaire et de la spectrométrie de masse en analyse pharmaceutiques et biomédicales** (4h), Université Cheikh Anta Diop, Dakar (Sénégal).

2018 **In-vitro metabolism studies, new insights with the cocktail approach** (4h), Master II – Esperto in Chimica Analytica per l'Industria farmaceutica, Università degli Studi di Pavia (Italia)

2017 **Analysis of counterfeits drugs and Method Validation** (20h) National Health Products Quality Center, Phnom Penh (Cambodia)

2017 **New insights with the cocktail approach for in-vitro metabolism studies,** (2h) Summer School in Pharmaceutical Analysis (SSPA), Università degli Studi di Milano, Rimini (Italy)

2017 **Metabolomics, from Data to Publication Training:** An Introduction. StarOmics Program. Swiss Institute of Bioformatics, Lausanne University (Switzerland).

2017 **Metabolomic analysis of lemon essential oil with various analytical techniques: a multiblock metabolomic approach,** Leiden University (The Netherlands).

2016 **Validation des methods analytiques**, Université Cheikh Anta Diop, Dakar (Sénégal).

2016 **Pratique des plans d'expérience, une introduction**, Université Cheikh Anta Diop, Dakar (Sénégal).

2016 **Differentiation of lemon essential oil based on various analytical techniques: a multiblock metabolomic approach,** Leiden University (The Netherlands).

2015 **UPLC-TOF-MS fingerprinting and data mining,** Leiden University (The Netherlands).

2014 **Particular insights in Method validation,** Università degli Studi di Milano, Rimini (Italy)

2014 **UPLC-TOF-MS fingerprinting and data mining,** Leiden University (The Netherlands).

2014 **Introduction on plant metabolomics, Fast Analysis in LC, Basics in Data Treatment,** Swiss Interuniversity Doctoral Program in Organismal Biology, Neuchâtel (Switzerland).
2013 **Guidelines and some specific aspects in Method Validation**, University of Rouen (France)
2013 **Analytical Method Validation,** Université de Lyon (France)
2013 **LC, HILIC and UHPLC-TOF-MS for Plant metabolomics,** Leiden University (The Netherlands).
2012 **UPLC-TOF-MS fingerprinting and data mining,** Leiden University (The Netherlands).
2012 **Capillary Electrophoresis and stereoselective separations**, Université Cheikh Anta Diop, Dakar (Sénégal).
2012 **Analytical Method Validation,** Université de Lyon (France)
2012 **Introduction on plant metabolomics, Fast Analysis in LC, Basics in Data Treatment,** Neuchâtel (Switzerland).
2011 **UPLC-TOF-MS fingerprinting and data mining**, Leiden University, (The Netherlands).
2011 **Analytical Method Validation,** Université de Lyon (France)
2011 **Introduction on metabolomics, separation techniques, Fast – LC, a short insight in data mining in Plants metabolomics,** Universita di Torino (Italy).
2010 **Analytical Method Validation,** Université de Lyon (France)
2010 **Guidelines and Methods Validation in pharmaceutical analysis**, Universita di Pavia (Italy).
2010 **Analytical Method Validation,** Applied University of Sion (Switzerland)
2010 **Strategies for method optimisation in pharmaceutical analysis**, Universita di Pavia (Italy).
2010 **Methods Validation in Pharmaceutical analysis**, Universita di Bologna (Italy).
2010 **UPLC-TOF-MS fingerprinting and data mining**, Metabolomics workshop, Leiden University (The Netherlands).
2009 **Introduction on plant metabolomics, Fast Analysis in LC, Basics in Data Treatment** Swiss Interuniversity Doctoral Program in Organismal Biology, Neuchâtel (Switzerland).
2009 **Guidelines and methods validation in pharmaceutical analysis**, Universita di Pavia (Italy).
2009 **Strategies for method optimisation in pharmaceutical analysis**, Universita di Pavia (Italy).
2009 **Introduction on metabolomics, separation techniques, Fast – LC, a short insight in data mining in Plants metabolomics,** Universita di Torino (Italy).

ORAL, KEYNOTES COMMUNICATIONS and INVITED LECTURES* (Plenary**)

132. **Metabolomics Insights into Mindfulness: Multiblock Integration reveals Stress-Associated Signatures in Healthcare Students*,** 36th International Symposium on Pharmaceutical and Biomedical Analysis, July 6-9, 2026, Ghent (Belgium)
131. **Falsification des médicaments*,** Conférence Internationale des Facultés de Pharmacie d'expression Française, June 10, 2026, Bucharest (Roumania)
130. **Addressing Data Dimensionality and Structure in Metabolomics: Issues and Solutions*,** Analytica 2026, March 26, 2026, Munich (Germany).
129. **Uncertainty in Analytical Sciences*,** METAS colloquium, December 11, 2025, Bern (Switzerland)
128. **Metabolites data structure, key question and solution**,** MetEx + MeTaboHub (MTH) 14th Scientific days, October 14th 2025, Montauban (France)
127. **Comprehensive Steroid Profiling as bioanalytical readouts for toxicology : uncover Hormonal Alterations in Cannabis Users*** 31st International Symposium on Electro- and Liquid-Phase Separation Techniques (ITP 2025) - August 24-27, 2025, Ankara University, Ankara (Turkey)
126. **Expanding Metabolome Profiling through Combined Classical and Miniaturized Separation Techniques with MS Coupling*,** 35th International Symposium on Pharmaceutical and Biomedical Analysis, July 13-16, 2025, Shanghai (China)
125. **From Questions to Signals: Exploring Hidden Dimensions of Steroids through Extended Profiling**** Swiss Steroid Symposium, June 27, 2025, Bern (Switzerland)
124. **Improved metabolome coverage with conventional and miniaturized approaches for separation techniques hyphenated with mass spectrometry*.** HPLC 2025, June 15-19, 2025 Bruges (Belgium)
123. **Separation technique hyphenated with mass spectrometry for improved metabolome coverage, from conventional to miniaturized approaches,** 29th Latin-American Capillary Electrophoresis, Microfabrication and Related Techniques Symposium – LACE & Brazilian Symposium on Metabolomics – BrMet, November 9th to 12th, 2024, Guarujá – São Paulo (Brazil)
122. **From Untargeted Research to Clinical Biomarkers: an Analytical Journey**,** CEU scientific meetings, July 14, 2024, University San Pablo, Madrid (Spain)
121. **Produits falsifiés et sous standard, une proposition**,** Congrès International des facultés de Pharmacie d'expression Française, May 18, 2024, Rabat (Maroc)
120. **Steroidomics and doping*,** SSCC/SGKC 2023 Annual Assembly on hormones, toxicants and environment, 4- 6 October, 2023, Crans Montana (Switzerland)
119. **From Metabolism to Metabolomics, an analytical journey**,** Recent Developments in Pharmaceutical Analysis, RDPA 2023, 3-6 September 2023, Novara (Italy)

118. **From untargeted metabolomics to longitudinal targeted monitoring in Clinics*.** 33rd Int. Symposium on Pharmaceutical and Biomedical Analysis (PBA2023), July 3-7, 2023, Ankara University, Ankara (Turkey)
117. **Etude e-SMILE: RCT pour évaluer l'effet de la pleine conscience chez les étudiants en santé*** (with Dr. C. Nemitz-Piguet) Les colloques du CRC (HUG), April 24, 2023, Hôpitaux Universitaire de Genève, Switzerland.
116. **L'isomère, de toutes les batailles**,** Analytics 2022, September 6-9, 2022 - Nantes (France)
115. **Drug? Really? Counterfeit medecines : identification and societal impact*** 35th Seminar in Pharmaceutical sciences "Drug meets patient" August 30-September 2, 2022, Leysin (Switzerland),
114. **IMS and metabolomic coverage*** 18th International Conference of the Metabolomics Society, June 19-23, 2022 Valencia (Spain)
113. **Coverage and structure, two challenges in metabolomics **** Agence Nationale de sécurité de sécurité sanitaire de l'alimentation, de l'environnement et du travail (ANSES) e-Research Meeting 2022, February 17, 2022 (France)
112. **Novel methodologies for steroids determination in pharmaceuticals analysis*,** 4th International Conference on Pharmaceutical Analysis, December 1st, 2021, Shenyang University (China)
111. **Challenges and opportunities for an extended steroid profiling (steroidomics) in biological fluids*** MSACL 2021 EU - 7th European Congress, September 13 - 17, 2021
110. **New insights in Quantitative Bioanalysis methodologies by LC-MS**,** RDPA 2021, September 6th - 8th 2021, Modena, Italy
109. **Improvement in endogenous metabolomic coverage with separation techniques*** 31st International Symposium on Pharmaceutical and Biomedical Analysis (PBA2021), August 29, 2021, Kyoto University at Katsura, Kyoto (Japan)
108. **Identifying exposure biomarkers with metabolomics: the example of dioxin*,** 41st European Association of Poisons Centres and Clinical Toxicologists Congress 2021, May 24th , 2021
107. **Analyses quantitatives: anciens problèmes, nouveaux défis**** Journée Scientifique « Validation de méthodes» Club Grand-Est| Club Val de Seine, Session webinaire Zoom, May 25, 2021
106. **Bioanalytical and metabolomic readouts for toxicology**,** SCAHT e-Research Meeting 2020, December 18, 2020
105. **Metabolomic investigation of chronic kidney disease alterations, from data acquisition to precision medicine*,** 4th Sechenov Int. Biomedical Summit (SIBS), November 17-18, 2020, Moscow (Russia)
104. **Complementary separation methods hyphenated with mass spectrometry for improved polar coverage, where do we stand**,** Agilent Forum Analytik Wien 2020, February 11-12, 2020, Wien (Austria)
103. **Metabolomic investigation of chronic kidney disease alterations in human plasma: from MS acquisition to metabolic networks,** Chimiométrie 2020, January 27-29, 2020, Liège (Belgium)
102. **Contrefaçons des médicaments du VIH*,** colloque VIH du service des maladies infectieuses, Hôpitaux Universitaires de Genève January 7th, 2020 Genève (Switzerland)
101. **Metabolomic approaches in (regulatory) Toxicology*** Swiss Society of Toxicology Annual Meeting, November 28th, 2019, Basel (Switzerland).
100. **Automatic annotation in LC-MS for the steroid profile analysis in biological matrices*,** Swiss Steroid Symposium, November 21st, 2019, SITEM-Insel, Bern (Switzerland).
99. **Metabolomique et biomarqueurs d'insuffisance rénale: un nouvel Eldorado?**** Journée de formation, Laboratoire et medicine, SILAMED November 16th, 2019, Lausanne (Switzerland)
98. **Metabolomic coverage and data analysis for Chronic Kidney Disease (CKD)*** 3rd Int. Symposium on Advances in Pharmaceutical Analysis (APA 2019), October 27th, 2019, Xi'an (China)
97. **Improving the metabolomic coverage with separation techniques hyphenated to MS, the case of Chronic Kidney Disease (CKD)*** Scientific Lecture, Institute of Pharmaceutical Analysis, Junan University, October 22th, 2019, Guanzhou (China)
96. **Biomarqueurs d'insufisance rénale chronique: une approche métabolomique*,** Waters Event Forum Clinique, Maison de l'amérique Latine, October 15th 2019, Paris (France)
95. **12 year's experience of low-cost analytical device based on capillary electrophoresis for falsified or sub-standard drug quality control*,** 25th Latin-American Symposium on Biotechnology, Biomedical, Biopharmaceutical, and Industrial Applications of Capillary Electrophoresis and Microchip Technology, LACE 2019, September 29 – October 2, 2019 Alcalá de Henares (Spain)
94. **Current challenges in metabolomics: from analytical coverage to strategies and tools for data integration in Chronic Kidney Disease*,** 30th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2019), September 15 – 18, 2019, Tel Aviv (Israel)
93. **Métabolomique : principes et applications dans l'IRC*,** Colloque scientifique, Service de Néphrologie Hôpitaux Universitaires de Genève, June 8, 2019, Genève (Switzerland)
92. **Current challenges in metabolomics: From experimental design to knowledge discovery*,** INRA ToxAlim, Café scientifique, May 10, 2019, Toulouse (France)
91. **12 year's experience of low-cost analytical device based on CE for counterfeits detection and sub-standard drug quality control,** MSB 2019, March 25-27, 2019, Corvallis - Oregon (USA)

90. **Optimisation rationnelle de la couverture d'analyse en métabolomique: quelle(s) méthode(s) séparative(s) choisir?*** 10ème Journée scientifique Club Sud-Ouest, November 22, 2018, Toulouse (France)
89. **Lutte contre les medicaments falsifiés, une approche responsable*,** 3ème Journée scientifique Club Grand-Est, November 20, 2018, Strasbourg (France)
88. **Harnessing the complexity of MS metabolomic data*,** 2018 SGMS Meeting, October 26, 2018, Beatenberg (Switzerland)
87. **A low-cost analytical device based on capillary electrophoresis for quality control of falsified and sub-standard medecines in emerging countries*,** National Pharmacy Students' Weekend 2018, October 13, 2018, Université de Genève (Switzerland)
86. **New Insights into separation techniques for endogenous metabolites profiling**,** Spanish Society of Chromatography and Related Techniques (SECyTA), October 3, 2018, Granada (Spain)
85. **From multivariate to multiblock data structures in Metabolomics: Issues and Solutions*,** 32nd Int. Symposium on Chromatography, ISC 2018, September 22-27, 2018, Cannes – Mandelieu (France)
84. **12 year's experience of low-cost analytical device based on capillary electrophoresis for counterfeits detection and sub-standard drug quality control,** Drug Analysis – Pharmaceutical Biomedical Analysis, 2018 September 9-12, 2018, Leuven (Belgium)
83. **Fight against medicine counterfeiting: the University of Geneva in the Challenge*,** 32nd Seminar in Pharmaceutical sciences "From an idea to the patient" August 27-August 31, 2018, Zermatt (Switzerland)
82. **From multivariate to multiblock: tackling data structures in Metabolomics*,** Réseau Francophone de Métabolomique et Fluxomique (RFMF), May 2018, 22-25, Université de Liège (Belgium)
81. **Dimension et structure : deux enjeux majeurs en métabolomique***, Oniris, May 15, 2018, Nantes (France)
80. **De l'erreur à l'incertitude : une affaire d'intervalle*** Session SFSTP Pratique, February 1, 2018, Paris, (France)
79. **L'estimation de l'incertitude en analyse : le point de vue du praticien*** Club Île de France de Chromatographie Liquide, Novembre 23, 2017, Paris, (France)
78. **Unravelling the effects of multiple experimental factors in metabolomic studies,** Recent Development in Pharmaceutical Analysis RDPA 2017, September 21-23, 2017, Rimini (Italia)
77. **ANOVA Multiblocks OPLS (AMOPLS) as a powerful data analysis approach of human neural cells by Hilic-HRMS in metabolomics*,** ITP 2017, September 10-13, 2017, Sopot (Poland)
76. **ANOVA multiblock OPLS data analysis in the context of metabolomic analysis of human neural cells by HILIC-HRMS*,** PBA 2017, San Pablo CEU University, July 2nd to 5th 2017, Madrid (Spain)
75. **Steroidomics, an innovative metabolomic approach to extend the steroid profile in Human*,** Seminars on Drug discovery and Developement, ETH, May 31, 2017, Zürich, (Switzerland)
74. **Comment assurer un résultat quantitatif, une introduction*** Club Lyonnais de Chromatographie Liquide, May 11, 2017, Lyon, (France)
73. **New advances in counterfeits detection by Capillary Electrophoresis*** Pharma 2030 - Current and Future Challenges Joint Meeting of the Austrian Pharmaceutical Society (ÖPhG) and the Swiss Academy of Pharmaceutical Sciences (SAPhS), 20 – 22 April 2017, Innsbruck (Austria)
74. **Metabolomic approach for steroid analysis in toxicological studies*,** 27th International Symposium on Pharmaceutical and Biomedical Analysis, November 13th to 16th, 2016 Guangzhou (China)
73. **Low-cost capillary electrophoresis system for counterfeits detection*** Recent Events in Energy Seminar Series, EPFL Valais Wallis, Insitute of Chemical Sciences and Engineering, November 3rd 2016, Sion (Switzerland)
72. **Use and misuses of accuracy profiles for results uncertainty*,** Journée sur l'incertitude de mesure, Société des sciences et technique pharmaceutique, Maison de la Chimie, 7th October 2016, Paris (France)
71. **Contrefaçons médicamenteuses : le projet Pharmelp*,** Formation Continue EPGL | pharmaGenève, 27th September 2016, Université de Genève (Switzerland).
70. **Human key event readouts related to male infertility and Steroidomic profiling in adrenal cell models,** 5th SCAHT Science Advisory Board Meeting, 5th - 6th July 2016, Bern (Switzerland)
69. **Intérêt et défi du profil stéroidien*,** Journée afabs, Formation continue en Biologie Spécialisée, Méthodes "omics" en médecine de Laboratoire, intérêt d'une approche globale, May 12, 2016 Montreux (Switzerland).
68. **Métabolomique et Chimiométrie, de quoi parle-t'on? Potentiel et perspective en Chimie Médicinale*** Conférence Publique, Université Cheikh Anta Diop, May 3, 2016, Dakar (Sénégal).
67. **New insights in capillary electrophoresis for counterfeits detection and substandard drug quality control*,** Club Lyonnais de Chromatographie Liquide – Forum Labo, March 31, 2016, Lyon, (France)
66. **Untargeted Analysis, from raw data to biomarkers*** Inauguration of the Faculty Centre of Translational Investigation in Biomarkers – 1st Biomarker Day, March 6th 2016, University of Geneva, (Switzerland)
65. **Untargeted is the Target*** Dpt of Physiology, University of Lausanne, 1st February 2016 (Switzerland)
64. **Modélisation de la rétention des stéroids en chromatographie à ultra-haute performance sur support de phase inverse*** Challenge Chimiométrie 2016, 19-20 January 2016, Namur (Belgium)
63. **Low-cost analytical device based on capillary electrophoresis for counterfeits detection and sub-standard drug quality control*** EuroAnalysis 2015, Septembre 6th to 8th 2015, Bordeaux (France)

62. **Steroidomics par LC-MS|MS, une stratégie analytique performante pour la mesure des perturbations endocriniennes ***19ème Journées scientifiques cCCTA, September 4, 2015, Les Diablerets, (Switzerland)
61. **Evaluation and identification of dioxin exposure biomarkers using UHPLC-QTOF, multivariate analysis and in vitro metabolism** Metabolomics 2015, 29th June – 1st July 2015, San Francisco (USA)
60. **Steroidomic footprinting based on UHPLC qualitative and quantitative high-resolution MS for the evaluation of endocrine disrupting chemicals in H295R cells** HPLC 2015, 21-25 June 2015, Geneva (Switzerland)
59. **Apport de la fusion de données analytiques dans la caractérisation d'huiles essentielles de citron** Congrès SEP 15 - Sciences séparatives et couplages. March 30 – April 2, 2015, Paris (France)
58. **Evaluation of a potential adrenal endocrine disrupting chemical using an «-omics» approach*** SCAHT Scientific meeting, November 24th & 25th, 2014, Sorell Hotel Ador, Bern (Switzerland)
57. **Steroid profiling in humans as biomarkers for toxicity*** Swiss Society of Toxicology annual meeting, Ramada Plaza Basel Hotel, November 13-14, 2014, Basel (Switzerland)
56. **A Metabolomic Approach to extend the Steroid Profile Monitoring*** MS Technology Day in Lausanne, Starling Hotel, September 30, 2014, Lausanne (Switzerland)
55. **Matrix Effects and uncertainty functions from MS-based validation studies*** Congress of French societies of Mass Spectrometry and Proteomics analysis - SMAP 2014, Lyon (France)
54. **In-vitro Phenotyping for toxicological purposes: new insights with cocktail approaches** 10th International Symposium on Drug Analysis, June 22-25, 2014, Liège (Belgium)
53. **In-vitro metabolism studies: new insights with cocktail approaches*** "Innovation in medicinal chemistry: from biomass to safe and potent drug candidates", 28ème séminaire en sciences pharmaceutiques – Programme doctoral, September 11, 2013, Zermatt (Switzerland)
52. **Human biomarkers of dioxin exposure: analysis by metabolomics and biologically-driven data dimensionality reduction,** 24th International Symposium on Pharmaceutical and biomedical analysis (PBA 2013), 30 June – 3 July, 2013, Bologna (Italy)
51. **Human biomarkers of dioxin exposure: analysis by metabolomics and biologically-driven data dimensionality reduction,** Swiss Centre for Applied Human Toxicology (SCAHT) Research Meeting 2013, April 23, 2013, Bern (Switzerland)
50. **New insights in pharmaceutical analysis, from metabolomics to metabolism,** Agilent, November 30, 2012, Waldbronn (Germany)
49. **CE-MS: From small to high molecular weight molecules,** 7ème Rencontres Club Utilisateurs Spectrométrie de masse, Pierre Fabre, October 25, 2012, Saint-Julien (France)
48. **Chromatographies, retour vers le future,** Journées scientifiques, Centre de Compétence en Chimie et Toxicologie Analytiques, September 13, 2012, Les Diablerets, (Switzerland)
47. **When New Chromatographic Tools Bring Robustness and Insurance of Quality*** Executive Ultra Performance Chromatography Forum, June 6, 2012, Saint-Paul-de-Vence, (France)
46 **Comment conceptualiser la multi-dimensionalité en sciences séparatives*** Club Lyonnais de Chromatographie Liquide, May 10, 2012, Lyon, (France)
45. **Techniques séparatives et couplage MS*,** Association pour la Formation en Analyses de Biologie Spécialisée (AFABS), December 5, 2011, CHUV, Lausanne, (Switzerland)
44. **Lutte contre les contrefaçons médicamenteuses dans les pays émergents, une initiative*** AG PharmaGenève, June 9, 2011, Genève (Switzerland)
43. **QbD Based Method Development and Robustness*** Waters Executive Ultra Performance Chromatography Forum, June 7-8, 2011, Saint-Paul-de-Vence (France)
42. **Sciences séparatives et métabolomique, un mariage de raison*.** Congrès SEP 11 - Sciences séparatives et couplages. March 23-25, 2011, Toulouse (France)
41. **New Insights in Capillary Electrophoresis for the Analysis of Pharmaceutical Compounds*** XX National Meeting on Medicinal Chemistry, Italian Chemical Society, September 12-16, 2010, Abano Terme (Italy)
40. **An Overview of CE-MS Analysis : From small molecules to proteins*** Microscale Bioseparation (MSB 2010), March 23, 2010, Prague (Czech Republic)
39. **Analyse chirale de la méthadone, du développement analytique au suivi thérapeutique*** 4èmes Journées internationales de toxicologie, Château de Colonster, October 15-16, 2009, Liège (Belgium)
38. **Approche séquentielle en UPLC-TOF-MS pour la découverte de biomarqueurs en métabolomique végétale : étude du stress chez A. Thaliana*,** Centre InterUni de Recherche Médicale, October 14, 2009, Liège (Belgium)
37. **New analytical strategies to perform automated Phase I drug metabolism studies,** 13th Int. Meeting on Recent Developments in Pharmaceutical Analysis, (RDPA 2009), September 9-12, 2009, Milano (Italy)
36. **Guidelines and Validation Issues for Method Validation*,** 57th Int. Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, August 16 – 20, 2009, Geneva (Switzerland)
35. **Metabolomic study of plant stress response*** Station de recherche Agroscope Changins-Wädenswil ACW, March 29, 2009, Changins (Switzerland)
34. **Validation des méthodes analytiques, aspects normatifs et protocoles*,** Club Lyonnais de Chromatographie Liquide, Validation day, January 29, 2009, Lyon (France)

33. **Approches Chimiométriques en Analyse Pharmaceutique***
Société des Experts Chimiques de France, November 2008, Paris (France)
32. **Validation in Analysis, impact of calibration***
Solvias AG, Internal seminar, November 2008, Basel (Switzerland)
31. **Guidelines and Validation Issues in Pharmaceutical Analysis*** Ottimizzazione e Convalida di Metodi Analitici in Chimica Farmaceutica, October 2008, Pavia (Italy)
30. **Half-day Short Course on "Chiral separation in CE and CE-MS"*** 20th International Symposium on Chirality (ISCD-20 Chirality 2008), July 2008, Geneva (Switzerland)
29. **Avantages et inconvénients du column-switching*** Société Firmenich, June 2008, Geneva (Switzerland)
28. **Dosages quantitatifs des impuretés** Validation des procédures analytiques quantitatives : harmonisation des demarches Session d'étude SFSTP, March 2008 Paris (France)
27. **Full-day Short Course on "Validation"*** 12th International Meeting on Recent Developments in Pharmaceutical Analysis (RDPA 2007) September 2007, Island of Elba (Italy)
26. **Commutations de colonne pour la préparation des fluides biologiques: Quo Vadis?***
Journées scientifiques, cCCTA September 2007, Leysin (Switzerland)
25. **Method validation for drug analysis*** CE-Days 2007, June 2007, Certosa di Pontignano, Siena (Italy).
24. **Injection, detection and quantitative aspects in CZE*** Capillary Electrophoreis -Days 2007, Certosa di Pontignano, Siena (Italy)
23. **Analyse multivariée de données métabolomiques obtenues par UPLC-TOF|MS chez A. thaliana***
Congrès SEP 07 - Sciences séparatives et couplages, March 2007, Grenoble (France)
22. **Validation en analyse pharmaceutique, approches harmonisées***
Club de Chromatographie Ile-de-France Nord, March 2006, Paris (France)
21. **Approche harmonisée de la validation en analyse pharmaceutique***
AFSEP Val-de-Seine, March 2006, Rouen (France)
20. **Methodology developments for the treatment of complex metabolomic datasets with data mining**
Swiss institute of bioinformatique, November 2005, Geneva (Switzerland).
19. **Multivariate analysis of rapid LC-TOF|MS data for metabolomic studies: A. thaliana, a case study***
11th Int. Meeting Recent Develop. in Pharmaceutical Analysis (RDPA 2005) September Rimini (Italy)
18. **Electrophorèse capillaire : Histoire et perspectives*** Journées scientifiques, Centre de Compétence en Chimie et Toxicologie Analytiques, September 2005. Les Diablerets (Switzerland)
17. **Comparison of LC-MS analysis for stress induced metabolomic studies of A. thaliana ***
29th International Symposium on HPLC and Related Techniques, June 2005, Stockholm (Sweden)
16. **Infinite resolution of tramadol enantiomers in CE with highly sulphated cyclodextrins using ultra-short partial filling.*** 14th Int. Symp. Capillary Electroseparation Techniques, September 2004, Roma (Italy)
15. **Calibration: pourquoi et comment?*** AFSEP, January 2004. Lyon (France)
14. **Infinite enantiomeric resolution of selected basic compounds in capillary electrophoresis.***
10th Int. Recent Develop. in Pharmaceutical Analysis (RDPA 2003), June 2003, Cogne (Italy)
13. **Validation analytique en chromatographie*** Congrès SEP 2003, May 2003, Lyon (France)
12. **Utilisation de supports d'extraction adaptés à l'injection directe de fluides biologiques en chromatographie liquide*** Xème Congrès de la Société Française de Toxicologie Analytique June 2002, Martigny (Switzerland)
11. **Techniques d'analyses des énantiomères, apports de la CZE et CZE|MS***
Avancées en Bioanalyses, Biomarqueurs et PK-PD November 2001, La Baule (France)
10. **Nouveaux supports d'extraction en phase solide couplée à la LC|MS pour l'analyse rapide de substances pharmaceutiques dans les fluides biologiques.***Journées scientifiques, Centre de Compétence en Chimie et Toxicologie Analytiques, September 2001, Les Diablerets (Switzerland)
9. **Séparation stéréosélective de composés d'intérêt par CE|ESI-MS.*** SEP 2001., June 2001, Paris (France)
8. **Validation de méthodes séparatives et traitement des données** SEP 2001, June 2001, Paris (France)
7. **Stratégies et exemple de Validation dans le domaine pharmaceutique.** Ecole supérieure de Physique et Chimie Industrielle ESPCI, June 2001, Paris (France)
6. **Nano-LC and capillary electrophoresis coupled to ESI-MS for the detection of amyloid-ß peptide variant.** Fall meeting 2000 – Swiss chemical society, October 2000, Lausanne (Switzerland)
5. **Analyse de la méthadone dans les fluides biologiques.***
Réunion de recherche VD-GE sur les addictions, March 2000, Hôpital de Prangins (Switzerland)
4. **Application of CE-ESI-MS for the analysis of drugs and metabolites.*** Nanotech, 3th Annual European conference on micro & nanoscale technologies for the biosciences, December 1999, Montreux (Switzerland)
3. **Use of LC and CE for drug monitoring of chiral substances : two complementary tools.***
8th Int. M. on Recent Develop. in Pharmaceutical Analysis (RDPA '99), June 1999, Roma (Italy)
2. **Utilisation de la carboxyméthyle cyclodextrine pour la séparation chirale de composés d'intérêt pharmaceutique par électrophorèse capillaire.*** Congrès SEP 99. Chromatographies et techniques apparentées. March 1999, Lyon (France)
1. **Chiral analysis in CZE of tramadol pharmaceutical formulations.*** 3rd International Symposium on Chromatography, September 13-18, 1998. Roma (Italy)

ORAL COMMUNICATIONS (Associate)

247. **Steroid hormones as mediators of endocrine disruptions related to cannabis consumption in young men,** M. Galmiche, I. Meister, F. Zufferey, M. F. Rossier, R. Rahban, S.Nef, J. Boccard, S. Rudaz, , 5th Nordic Metabolomics Conference September 28-30, 2026, Uppsala (Sweden)
246. **Multiblock Chemometric Approaches to Decode Multisource Molecular Signatures of Perceived Stress in Healthcare Students,** C. Da Silva, M. Galmiche, O. Strassel, S. Girel, I. Meister, Z. Zghal, S. Pagano, N. Vuilleumier, C. Piguet, F. Jermann, J. Boccard, S. Rudaz, 18èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique, May 19-22, 2026, Lille (France)
245. **Surrogate Internal Calibration Strategies for Extended Absolute Quantification by LC-MS/MS,** O. Strassel, J. Boccard, S. Rudaz, 18èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique, May 19-22, 2026, Lille (France)
244. **Unraveling hormonal effects of cannabis use: a steroidomic perspective,** M. Galmiche, I. Meister, F. Zufferey, M. F. Rossier, R. Rahban, S.Nef, J. Boccard, S. Rudaz, Swiss Metabolomics Society Annual Meeting, October 10th 2025, Inselspital Bern, Switzerland
243. **Neurotoxicity assessment using lipidomic and metabolomic profiling in human 3D brain spheres: exposure to glycol ether solvents.** I. Meister, 35th International Symposium on Pharmaceutical and Biomedical Analysis, July 13-16, 2025, Shanghai (China)
242. **Wide-pore columns boost reversed-phase LC performance for lipidomic analysis.** Sergey Girel, 35th International Symposium on Pharmaceutical and Biomedical Analysis, July 13-16, 2025, Shanghai (China)
241. **Microflow liquid chromatography coupled to multinozzle electrospray ionization mass spectrometry for discovery lipidomics,** S. Girel, M. Galmiche, M. Fiault, V. Mieville, P. Nowak-Sliwinska, S. Rudaz, I. Meister, Metabolomics 2025, June 22 – 26, 2025, Pragues (Czech Republic)
240. **Online SEC-UV-RP-MS method for multi-attribute characterization of gene therapy products,** M. Aebischer, S. Rudaz, D. Guillarme, HPLC 2025, June 15-19, 2025 Bruges (Belgium)
239. **Développement d'une méthode SEC-UV-RP-MS en ligne pour la caractérisation des virus adéno-associés utilisés en thérapie génique.** M. Aebischer, S. Rudaz, D. Guillarme, SEP25, March 25-27, 2025, Paris (France)
238. **Un profilage stéroïdien étendu par UHPLC-MS/MS pour révéler les altérations hormonales chez les consommateurs de cannabis,** M. Galmiche, O. Strassel, M.-A. Monat, F. Zufferey, MF. Rossier, R Rahban, S. Nef, J. Boccard, I. Meister, S Rudaz, SEP25, March 25-27, 2025, Paris (France)
237. **Exploring seminal liquid as a matrix for early detection of testicular cancer metabolism,** V. Gonzalez-Ruiz, M. Mamami-Huanca, C. Fernandez-Hernandez, L. Alonso-Dasques, S. Camunas, A. Lopez-Gonzalvez, N. Marup, F. J. Ruperez, A. Garcia, Ana Gradillas, S. Rudaz, S. Nef, A. Y. Taha, K. Alsmtrup, C. Barbas, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
236. **Endogenous steroid analysis by supercritical fluid chromatography-mass spectrometry: super possibilities and critical aspects,** T. Langer, R. Nicoli, D. Guillarme, S. Rudaz, T. Kuuranne, A. Musenga, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
235. **Metabolomics insights into solvent neurotoxicity using 3D brain organoids.** M. Galmiche, I. Meister, D. Lopez-Rodriguez, D. Pamies, T. Sajic, A. Thomas, M.-G. Zurich, J. Boccard, S. Rudaz, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
234. **Development and optimization of an SFC-MS method for the simultaneous analysis of anticancer drugs with a wide range of physicochemical properties**, N. Nguyen, D. Guillarme, S. Rudaz, P. Bonnabry, S. Fleury-Souverain, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
233. **Microflow liquid chromatography coupled to nanoelectrospray ionization as a strategic combination for high-throughput bioanalytical methods with challenging sensitivity requirements,** S. Girel, M. Galmiche, M. Fiault, C. Schelling, I. Meister, S. Rudaz, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
232. **Metabolomics and Lipidomics to investigate the synergistic effects of anti-cancer drug mixtures on kidney cancer 3D models** M. Fiault – Annual Meeting 2024 Swiss Metabolomics Society, August 29, 2024 Biozentrum, Basel (Switzerland)
231. **Mindfulness-Based Cognitive Therapy for Life (MBCT-L) for healthcare care students: an RCT** F. Jermann, C. Holman, B. Meuleman, M. Magnus Smith, B. Weber, P. Cordera, G. Bondolfi, S. Rudaz, C. Nemitz Piguet, EABCT2024, 4-7 September 2024, Belgrade (Serbia)

230. **Regards sur 20 ans de mindfulness aux HUG et à l'UNIGE**, Dr L. Bizzini, P. Cordera, Dre M.-E. Gaignard, Dre R. Ha-Vinh Leuchter, Dre F. Jermann, psychologue, Dr A. Merglen, A. Gendre, Dre C. Piguet-Nemitz, Pr S. Rudaz, B. Weber, Symposium de départ en l'honneur du Pr G. Bondolfi September 20, 2023, HUG, Genève (Switzerland)
229. **Electron-activated dissociation for routine annotation and structure elucidation of endogenous steroids in bioanalysis,** S. Girel, I. Meister, N. Zamboni, S. Rudaz, Swiss Metabolomic Society, Annual meeting 2023, September 15, 2023, Zürich (Switzerland)
228. **Calibrating from within: multitargeted quantification of chronic kidney diseaserelated endogenous metabolites using an LC–MS/MS internal calibration approach** G. Visconti, S. Rudaz, Euroanalysis 2023, Geneva (Switzerland).
227. **New insights in bioanalytical and metabolomic readout for toxicology** I. Meister, J. Boccard, S. Rudaz, SCAHT Research Meeting, 17 - 18 August 2023, Kongresszentrum Kreuz, Bern (Switzerland).
226. **A novel internal calibration approach for LC-MS/MS-based monitoring of chronic kidney disease related metabolite concentrations,** G. Visconti, P. Lescuyer, N. Vuilleumier, B. Ponte, S. Rudaz, 12th DA & 32nd PBA, 11-14 September 2022, University of Mons (Belgium)
225. **Struggling to make it to the egg: metabolomics of seminal liquid to understand human fertility decline** E. Olesti, J. Boccard, R. Rahban, S. Nef, S. Rudaz, V.González-Ruiz, 12th DA & 32nd PBA, 11-14 September 2022, University of Mons (Belgium)
224. **L'électrophorèse capillaire couplée à la spectrométrie de masse comme méthode de choix pour l'analyse des métabolites cellulaires,** E. Tobolkina, V. Gonzalez-Ruiz, S. Rudaz, Analytics 2022, September 6-9, 2022 - Nantes (France)
223. **Enantioseparation and quantification of amino acids with chiral capillary-electrophoresis mass spectrometry,** S.Ferré, V. Gonzalez-Ruiz S. Rudaz, Analytics 2022, September 6-9, 2022 - Nantes (France)
222. **Une nouvelle approche d'étalonnage interne pour le suivi par LC- MS/MS des concentrations de métabolites liés à l'insuffisance rénale chronique,** G. Visconti, J. Boccard, V. Gonzalez-Ruiz, S. Rudaz, Analytics 2022, September 6-9, 2022 - Nantes (France)
221. **Adding lipidomics to untargeted MS acquisition, a must-have for toxicology assessments!** S. Girel, S. Rudaz, V. Gonzalez-Ruiz, I. Meister, SCAHT Research Meeting, 25 - 26 August 2022, Olten (Switzerland)
220. **Analytics 'on steroids': boosting the performance of steroidomic analyses through a multi-targeted approach,** S. Girel, S. Rudaz, V. Gonzalez-Ruiz, SCAHT Research Meeting, 25 - 26 August 2022, Olten (Switzerland)
219. **Development and implementation of a multivariate blood steroid passport for the detection of doping,** M. de Figueiredo, J. Saugy, R. Faiss, F. Botré, S. Rudaz J. Boccard, EAFS 2022 conference, May 30 – June 3 June 2022, Stockholm (Sweden)
218. **Going Micro with your Regular LC: The Plumber Will Make the Difference,** S. Girel, S. Rudaz, V. Gonzalez-Ruiz, 38th International Symposium on Microscale Separations and Bioanalysis (MSB 2022), July 3-6, 2022 – Liège (Belgium)
217. **Struggling to make it to the egg: metabolomics of seminal liquid to understand human fertility decline,** E. Olesti, J. Boccard, R. Rahban, S. Nef, S. Rudaz, V. González-ruiz, 18th International Conference of the Metabolomics Society, June 19-23, 2022 Valencia (Spain)
216. **Handling unbalanced multifactorial designs with Rebalanced ASCA,** M. De Figueiredo, S. Giannoukos, S. Rudaz, R Zenobi, J. Boccard, Chimiométrie, June 6-7, 2022, Brest (France)
215. **L'électrophorèse capillaire couplée à la spectrométrie de masse comme méthode de choix pour l'analyse des métabolites cellulaires,** E. Tobolkina, V. González-Ruiz, S. Rudaz, Club CE, AFSEP, June 12, 2022, Paris (France)
214. **La mobilité électrophorétique remise au gout du jour pour l'annotation de features en CE-MS,** N. Drouin, V. Gonzalez-Ruiz, J. Schappler, R. Ramautar, S. Rudaz, Club CE, AFSEP, June 12, 2022, Paris (France)
213. **The Orbitrap-specific feature extraction software tool for metabolomics,** S. Girel, K. Nagornov, A. Kozhinov, S. Rudaz, Y. Tsybin, Annual Meeting & SGMS School 16 - 19 November 2021 Dorint Resort Blüemlisalp, Beatenberg (Switzerland)
212. **Saving time in your lab with one-point internal calibration,** G. Visconti, E. Olesti, V. González-Ruiz, G. Glauser, D. Tonoli, P. Lescuyer, N. Vuilleumier, S. Rudaz, MSACL 2021 EU - 7th European Congress, September 13 - 17, 2021
211. **Fishing in the waters of dark metabolome: a quest for low-abundant biomarkers,** S. Girel, V. González-Ruiz, S. Rudaz, CITB Seminar Series. Geneva, Switzerland, 2021
210. **Deep Steroidome Annotation Enables Fine Mechanistic Insights in Toxicology Risk Assessment,** V. González-Ruiz, M. Patt, J. Boccard, A. Odermatt, S. Rudaz, 37th International Symposium on Microscale Separations and Bioanalysis, MSB. Virtual Edition, 2021
209. **Application of a Chiral UHPLC-MS|MS Method to the Quantitative Measurement of Cysteine Enantiomers in Mouse Plasma,** S. Ferré, V. González-Ruiz, S. Rudaz, RDPA 2021, September 6th - 8th 2021, Modena, Italy

208. **Evaluation of a nanoflow interface based on the triple-tube coaxial sheath-flow sprayer,** S. Ferré, N. Drouin, H.-P. Zimmermann, V. González-Ruiz, S. Rudaz, 35th International Symposium on Microscale Separations and Bioanalysis (e-MSB 2020) September 27-30, 2020 (http:||www.msb2020.com|)
207. **Romance strikes back: on the path to reliable CE-MS quantification,** S. Codesido, N. Drouin, S. Ferre, J. Schappler, V. González-Ruiz, S. Rudaz, 35th International Symposium on Microscale Separations and Bioanalysis (e-MSB 2020) September 27-30, 2020 (http:||www.msb2020.com|)
206. **Steroid profile in human seminal fluid: is it linked to sperm quality?** S. Codesido, A. Garcia, R. Rahban, M. Rossier, J. Boccard, S. Nef, V. Gónzalez-Ruiz, S. Rudaz, 35th International Symposium on Microscale Separations and Bioanalysis (e-MSB 2020) September 27-30, 2020 (http:||www.msb2020.com|)
205. **Interpretable class prediction in metabolomics: Bayes meets PLS trees,** S. Codesido, J. Boccard, S. Rudaz, Chimiométrie 2020, January 27-29, 2020, Liège (Belgium)
204. **Biosource-guided network annotation and visualization for untargeted metabolomics,** S. Codesido, V. González-Ruiz, E. Eulesti, J. Boccard, S. Rudaz, European RFMF Metabomeeting 2020, January 22 -24 2020, Toulouse (France)
203. **Mix it up! How to combine multiple LC-MS modes and design of experiments to understand multifactorial biological phenomena,** V. González-Ruiz, E. Eulesti, M. Silvano, S. Codesido, D. Schvartz, J.-C. Sanchez, J. Boccard, A. Ruiz I Altaba, S. Rudaz, European RFMF Metabomeeting 2020, January 22th-24th 2020, Toulouse (France)
202. **A scoring approach for multiplatform UHPLC-HRMS acquisition in metabolomics,** J. Pezzatti, V. González-Ruiz, S. Codesido, Y. Gagnebin, J. Boccard, S. Rudaz, Swiss Metabolomics Society (SMS), November 6th 2019, Inselspital Bern (Switzerland)
201. **An international collaboration for building a consolidated database of CCS values for the characterization of steroids by ion mobility mass spectrometry, Application to chemical food safety.** M. Hernández-Mesa, V. D'Atr, G. Barknowitzc, M. Fanuel, J. Pezzatti, N. Dreolin, D. Ropartz, F. Monteau, S. Rudaz, S. Stead, H. Rogniaux, D. Guillarme, G. Dervilly, B. Le Bizec 9th Int. Symposium on Recent Advances in Food Analysis (RAFA 2019) November 5–8, 2019, Pragues (Czech Republic)
200. **LC- and CE-MS-based Workflow for Metabolic Read-Across of New Toxicants in Neuroinflammation,** V. González-Ruiz, D. Schvartz, D. Pamies, M.-G. Zurich, J. Boccard, J.-C. Sanchez, S. Rudaz, MSACL 2019 EU Congress, September 22 - 26, 2019 Salzburg (Austria)
199. **Steroidomics Profile Analysis by LCHR-MS in Human Seminal Fluid,** E. Olesti, A. Garcia, V. González-Ruiz, R. Rahban, J. Boccard, S. Nef, S. Rudaz, MSACL 2019 EU Congress, September 22 - 26, 2019 Salzburg (Austria)
198. **Longitudinal metabolomic analysis for the evaluation of kidney transplantation,** Y. Gagnebin, J. Pezzati, P. Lescuyer, S. de Seigneux, S. Rudaz, B. Ponte, 51st Annual Meeting of the Swiss Society of Nephrology 2019, 05 - 06 December 2019 (Switzerland)
197. **International collaboration for building a consolidated database of CCS values for the characterization of steroids by ion mobility mass spectrometry. Application to chemical food safety,** M. Hernández-Mesa, V. D'Atri, G. Barknowitz, M. Fanuel, J. Pezzatti, N. Dreolin, D. Ropartz, F. Monteau, S. Rudaz, S. Stead, H. Rogniaux, D. Guillarme, G. Dervilly, B. Le Bizec, 9th International Symposium on Recent Advances in Food Analysis (RAFA 2019), 5—8 November 2019, Prague, Czech Republic
196. **SFC-MS and Metabolomics: a possible mariage?** G.L. Losacco, S. Rudaz, J.L. Veuthey, D. Guillarme, HPLC 2019, June 16-20, 2019 Milano (Italy)
195. **Identification of novel serum markers for testosterone administration by untargeted steroidomic analysis,** F. Ponzetto, J. Boccard, R. Nicoli, T. Kuuranne, S. Rudaz, M. Saugy, HPLC 2019, June 16-20, 2019 Milano (Italy)
194. **Steroidomics applied to human seminal fluid: method development and application to the PNR 50 swiss fertility cohort**, A. Garcia, V. González-Ruiz, S. Rudaz, Congrès SEP19 - Sciences séparatives. March 28 - 30, 2019, Paris (France)
193. **CE-IM-MS: are μ_{eff} and CSS correlated or orthogonal?** N. Drouin, J. Schappler, S. Rudaz, MSB 2019, March 25-27, 2019, Corvallis - Oregon (USA)
192. **Getting more information from less samples: a new algorithm for analysis of omics data in multifactorial experimental designs** V. González-Ruiz, J. Pezzatti, F. Jeanneret, D. Tonoli, J. Sandström, F. Tschuddi-Monnet, J. Boccard, S. Rudaz, MSB 2019, March 25-27, 2019, Corvallis - Oregon (USA)
191. **Stratified subsampling for effective removal of batch effects in metabolomics: application to endocrine disruptors screening,** J. Boccard, D. Tonoli, P. Strajhar, F. Jeanneret, A. Odermatt, S. Rudaz, January 31 February 1, 2019, Montpellier (France)
190. **Network PCA – a versatile multivariate tool for exploring data structures in metabolomics,** S. Codesido, M. Hanafi, Y. Gagnebin, J. Boccard, S. Rudaz, XX Chimiométrie, January 31 February 1, 2019, Montpellier (France)
189. **Towards a better understanding of kidney disease using metabolomics,** Y. Gagnebin, J. Boccard, J. Pezzatti, B. Ponte, S. Rudaz, CITB seminar series, CMU, November 14 (2018) Geneva (Switzerland)

188. **Utilisation de l'électrophorèse capillaire pour l'analyse d'agents anticancéreux contenus dans des chimiothérapies produites en milieu hospitalier,** N. Guichard, M. Ogereau, L. Falaschi, S. Rudaz, J. Schappler, P. Bonnabry, S. Fleury-Souverain, GERPAC 21èmes journées scientifiques de pharmacotechnie hospitalière, 3-5 octobre 2018, Hyères (France)
187. **A faster way to Electrophoretic Mobility: How to enhance the Robustness of your CE-MS Data with ROMANCE** V. González-Ruiz, S. Codesido, N. Drouin, Y. Gagnebin, J. Schappler, S. Rudaz, Spanish Society of Chromatography and Related Techniques (SECyTA), October 3, 2018, Granada (Spain)
186. **Ellagitannins from Combretum aculeatum as prodrugs in tuberculosis (TB) treatment** E. A. Diop, E. F. Queiroz, L. Marcourt, S. Kicka, S. Rudaz, T. Diop, T. Soldati, J.-L. Wolfender, 66th Annual Meeting GA, 26th - 29th August, 2018, Shanghai (China)
185. **Metabolomics Insights into Chronic Kidney Disease and Hemodialysis,** Y. Gagnebin, J. Boccard, J. Pezzatti, B. Ponte, S. Rudaz, Drug Analysis – Pharmaceutical Biomedical Analysis, 2018 September 9-12, 2018, Leuven (Belgium)
184. **Analyse métabolomique non-ciblée de la neuroinflammation induite dans des cultures 3D humaines assistée par la chimiométrie,** V. González-Ruiz, J. Pezzatti, F. Jeanneret, D. Tonoli, J. Sandström, F. Tschuddi-Monnet, J. Boccard, S. Rudaz, 26th SFTA Congress, June 6-8, 2018, Marseille (France)
183. **Getting more from less: optimizing the investment of analytical resources in metabolomic studies by using a scoring algorithm,** J. Pezzatti, V. González-Ruiz, S. Codesido, Y. Gagnebin, J. Boccard, S. Rudaz, RFMF, May 2018, 22-25 Université de Liège (Belgium)
182. **Toward a better understanding of chronic kidney disease using metabolomics,** Y. Gagnebin, J. Pezzatti, P. Lescuyer, S. De Seigneux, J. Boccard, S. Rudaz, B. Ponte, 55th ERA-EDTA Congress, Meeting of the European Society of Nephrology, Copenhagen (Denmark)
181. **Development and Validation of Generic Capillary Electrophoresis Methods for the Analysis of Antineoplastic Drugs Formulations,** N. Guichard, M. Ogereau, L. Falaschi, S. Rudaz, J. Schappler, P. Bonnabry, S. Fleury-Souverain, 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)
180. **The Fast Track to Electrophoretic Mobility: Enhancing the Robustness of your Metabolomic Data with ROMANCE** V. González-Ruiz, Y. Gagnebin, N. Drouin, J. Pezzatti, J, Boccard, S. Rudaz, J. Schappler, 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)
179. **Annotation and Identification in CE-MS based Metabolomics: Towards a Mobility Based Library,** J. Schappler, V. González-Ruiz, Y. Gagnebin, N. Drouin, J. Pezzatti, J, Boccard, S. Rudaz, 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)
178. **Electromembrane Extraction, Towards a New SLM for Highly Polar Metabolites' Extraction,** N. Drouin, S. Rudaz, J. Schappler, 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)
177. **New settings for the fully standard set-up with triple tube interface with improved sensitivity,** N. Drouin, S. Rudaz, J. Schappler, Agilent User's Metting, January 16, 2018, University of Utrecht (The Netherlands).
176. **Blood steroidomics as a tool to highlight novel biomarkers for the athlete biological passport steroide module,** F. Ponzetto, J. Boccard, G.M. Randazzo, R. Nicoli, T. Kuuranne, M. Saugy, S. Rudaz, MedLem17 meeting, 23th November 2017, Lausanne (Switzerland)
175. **DynaStI: an Expert-Curated Dynamic Retention Time Database for Steroidomics,** G. M. Randazzo, F. Lehmann, J. Boccard, R. Liechti, A. J. Bridge, I. Xenarios, S. Rudaz, 35th meeting of the SGMS October 25-27, 2017, Beatenberg (Switzerland)
174. **Two birds, one stone: ANOVA multiblock OPLS supports data analysis and method comparison in toxicant-induced neuroinflammation observed in 3D rat neural cell cultures,** V. González-Ruiz, J. Pezzatti, J. Sandström, F. Monnet-Tschudi, J. Boccard, S. Rudaz, Conférence SMMAP 2017, 2-5 octobre 2017, Marne-la-Vallée, (France)
173. **Toward a better understanding of chronic kidney disease using metabolomics,** Y. Gagnebin, J. Pezzatti, P. Lescuyer, S. De Seigneux, J. Boccard, S. Rudaz, B. Ponte, 49th Annual Meeting of the Swiss Society of Nephrology 2017, Fribourg (Switzerland)
172. **Enhanced metabolite annotation via dynamic retention time prediction: steroidogenesis alterations as a case study,** G. M. Randazzo, D. Tonoli, P. Strajhar, A. Odermatt, J. Boccard, S. Rudaz, Natural Molecules and Molecular Complexes: Characterization and Biomedical Effects, 28 - 30 June 2017 Sansepolcro (Italy)
171. **Retention time indexing in RP-LC-MS based metabolomics for enhancing metabolite identification. A cross-lab trial,** M. Witting, N. Sillner, D. Spaggiari, S. Rudaz, J. Lintelmann, J.P. Schnitzler, O. Begou, G. Theodoridis, H. Gika, P. Schmitt-Kopplin, M. Quilliam, HPLC 2017, June 18-22, 2017, Prague (Czech Republic)
170. **Improved chromatographic conditions for the characterization of antibody-drug conjugates,** B. Bobaly, G.M. Randazzo, S. Rudaz, J.L. Veuthey, D. Guillarme, S. Fekete, HPLC 2017, June 18-22, 2017, Prague (Czech Republic)

169. **Exploring blood steroidomics for the improvement of the athlete biological passport steroidal module,** F. Ponzetto, J. Boccard, G.M. Randazzo, R. Nicoli, T. Kuuranne, M. Saugy, S. Rudaz, HPLC 2017, June 18-22, 2017, Prague (Czech Republic)
168. **Principal component analysis of a network of data tables,** M. Hanafi, B. Jaillait, J. Boccard, S. Rudaz, 9th Colloquium Chemiometricum Mediterraneum, 27-30 June, 2017, Arles (France).
167. **Application of a new parallel-electromembrane extraction device for the extraction of endogenous polar compounds,** N. Drouin, S. Rudaz, J. Schappler, MSB 2017, March 26-29, 2017, Noordwijkerhout, (The Netherlands)
166. **Impact de la normalisation urinaire dans les études de toxicité rénale dans l'urine,** Y. Gagnebin, G.M Randazzo D. Tonoli, P. Lescuyer, B. Ponte, S. De Seigneux P-Y. Martin, J. Schappler, J. Boccard, S. Rudaz, Congrès SEP 17 - Sciences séparatives et couplages. March 28- 30, 2017, Paris (France)
165. **Utilisation de l'électrophorèse capillaire pour la détection de contrefaçons et|ou malfaçons médicamenteuses : une expérience sénégalaise,** S. O. Sarr, E. A. Diop, S. Rudaz, Y. M. Diop, Congrès SEP 17 - Sciences séparatives et couplages. March 28- 30, 2017, Paris (France)
164. **Développement et évaluation d'un nouveau système d'extraction électromembranaire au format 96 puits.** N. Drouin, S. Rudaz, J. Schappler, Congrès SEP 17. March 28- 30, 2017, Paris (France)
163. **Evaluation pratique de l'incertitude de mesure des résultats des méthodes d'analyse quantitatives dans l'industrie,** J.-M Roussel, J.-L. Beltramo, A. Belveze, M. Berthier ,S. Botalla, Y- Legras, D. Maire, C. Nievaszsk, O. Ruaudel, S. Rudaz, D. Sotty, Congrès SEP 17 - Sciences séparatives et couplages. March 28-30, 2017, Paris (France)
162. **Réseau de tableaux de données.** M. Hanafi, B. Jaillais, J. Boccard, S. Rudaz, XVIII Chimiométrie, January 31 February 1, 2017, Paris (France)
161. **Putting together neuroinflammation, untargeted metabolomics and data mining in biomarker discovery for neurodegenerative diseases,** F. Jeanneret, V. González-Ruiz, J. Sandström, F. Tschudi-Monnet, M.-G Zurich, J. Boccard, S. Rudaz, MedLem16 meeting, November 17th 2016, Geneva (Switzerland)
160. **New Analytical methods for identity assessment of therapeutic Mabs,** E. Jaccoulet, C Smadja, J. Boccard, A. Santos Azevedo, P. Prognon, S. Rudaz, M. Taverna, 27th International Symposium on Pharmaceutical and Biomedical Analysis, November 13th to 16th, 2016 Guangzhou (China)
159. **Metabolomic profiles induced by neuroinflammatory conditions,** J. Boccard, S. Rudaz, 5th SCAHT Science Advisory Board Meeting, 5th - 6th July 2016, Bern (Switzerland)
158. **Exploring metabolomic data from designed experiments using ANOVA-Multiblock Orthogonal Partial Least Squares,** J. Boccard, S. Rudaz, Metabolomics 2016, June 27- 30 2016, Dublin (Ireland)
157. **Analysis of scarce biofluids : electromembrane extraction (EME) and capillary electrophoresis coupled to MS are a good match,** J. Schappler, S. Rudaz, CSSS2016, June 1-8 (2016), Copenhagen (Denmark)
156. **Extraction of polar metabolites from CSF by electromembrane extraction (EME)** N. Droin, S. Rudaz, J. Schappler, 31th (MSB) 4-7 April 2016, Niagara-on-the-Lake (Canada)
155. **Longitudinal follow-up of endogenous steroids in serum: a first step towards "steroid profile" in blood** F. Ponzetto, F. Mehl, J. Boccard, N. Baume, S. Rudaz, M. Saugy, R. Nicoli, 34th Workshop on Doping Analyses 21-26 February 2016, Cologne (Germany)
154. **Targeted and Untargeted Analysis of Maturation Dependent Adverse effects of Paraquat Exposure in 3D Rat Brain Cell Cultures.** Sytem Toxicology 2016, January 27-29, 2016, Les Diablerets (Switzerland)
153. **A new UHPLC-MS|MS method for the determination of testosterone, androstenedione, and 17-hydroxyprogesterone in human plasma using isotopic internal calibration. A new way for endogenous steroids quantification?** S. Hambÿe, D. Tonoli, F. Jeanneret, S. Rudaz, HTC-14, 14th Int. Symposium on Hyphenated Techniques in Chromatography, January 27-29, 2016, Ghent (Belgium)
152. **Normalization strategies of urine samples using individual dilution factors and chemometrics for metabolomic analysis based on UHPLC-QTOF-MS.** Y. Gagnebin, J. Schappler, J. Boccard, S. Rudaz, XVII Chimiométrie, January 19-20, 2016, Namur (Belgium)
151. **ANOVA-Multiblock Orthogonal Partial Least Squares (AMOPLS) for exploring metabolomic data from designed experiments** J. Boccard, S. Rudaz, XVII Chimiométrie, January 19-20, 2016, Namur (Belgium)
150. **Analysis of metabolomic data from designed experiments using ANOVA Multiblock Orthogonal Partial Least Squares.** J. Boccard, S. Rudaz, 9e Journées Scientifiques du RFMF, 9 au 11 juin 2015 - Polytech Lille (France)
149. **PAMPA to predict both passive intestinal absorption and affinity constant** A. Bujard, P.-A. Carrupt, J. Schappler, S. Rudaz PhD day, June 6 2015, Geneva (Switzerland)
148. **NACE-MS pour l'analyse de composés acides en ESI négatif** J. Schappler, G. Bonvin, S. Rudaz, Congrès SEP 15 - Sciences séparatives et couplages. March 30 – April 2, 2015, Paris (France)
147. **Steroidomic footprinting based on UHPLC qualitative and quantitative high-resolution MS for the evaluation of endocrine disrupting chemicals in H295R cells** D. Tonoli, P. Strajhar, J. Boccard, D. Hochstrasser, F. Jeanneret, A. Odermatt, S. Rudaz 7th MSACL conference, April 2015, San-Diego (USA)
146. **Nway PLS for regression or discrimination: new properties and some clarifications** M. Hanafi, J. Boccard, S. Ouertani, G. Mazerolles, S. Rudaz XVI Chimiométrie, January 20-21, 2015, Geneva (Switzerland)

145. **Analyse multitableaux pour l'intégration de données métabolomiques : application aux huiles essentielles de citron** F. Mehl, G. Marti, P. Merle, E. Delort, L. Baroux, H. Sommer, J.-L. Wolfender, S. Rudaz, J. Boccard XVI Chimiométrie, January 20-21, 2015, Geneva (Switzerland)
144. **Retention Time Prediction in Reversed Phase Liquid Chromatography: a tool to help steroid identification** G. M. Randazzo, D. Tonoli, J. Boccard, D. Guillarme, P.A. Carrupt, G. Cruciani, S. Rudaz XVI Chimiométrie, January 20-21, 2015, Geneva (Switzerland)
143. **Cocktail approach for microsomal CYP450 phenotyping using UHPLC-QTOF** D. Spaggiari, L. Geiser, Y. Daali, S. Rudaz International Mass Spectrometry Conference (IMSC2014) August 24 - 29, 2014 Geneva (Switzerland)
142. **Determination of higly polar compounds in food by LC-MS|MS** C. Díez, A. Staub Sporri, E. Cognard, D. Ortelli, P. Edder, S. Rudaz ISEAC-38, 17-20, June 2014, EPFL, Lausanne (Switzerland)
141. **Liquid separation cell vs. hydrophilic interaction chromatography, a novel strategy for the simultaneous determination of 13 aminoglycoside residues in animal derived foods by LC-MS|MS** C. Diez, A. Staub-Sporri, E. Cognard, D. Ortelli, P. Edder, S. Rudaz Hormone and Veterinary Drug Residue Analysis June 2014 Ghent (Belgium)
140. **Detection of adulterated natural food aroma by enantioselective GCxGC-TOFMS** S. Bieri, Y. Janin, P. Edder, S. Rudaz, P. J. Marriott, A. Bugey 38th Int. Symp. on Capillary Chromatography (ISCC) 2014, Riva del Garda (Italy)
139. **In-spray supercharging of intact proteins by capillary electrophoresis-mass spectrometry using a sheath liquid interface** G. Bonvin, S. Rudaz, J. Schappler 30th MSB, 27 April - 1 May, 2014, Pécs (Hungary)
138. **Authentication of natural food aroma by enantioselective GCxGC-TOFMS** S. Bieri, Y. Janin, B. Debrus, S. Rudaz, P. J. Mariott, A. Bugey 3rd European GCxGC Symposium17th & 18th September, 2013, Nice (France)
137. **Analysis of acidic compunds by CE in negative ESI-MS with organic solvents** G. Bonvin, S. Rudaz, J. Schappler Fall meeting 2013 –EPFL, September 6, 2013, Lausanne (Switzerland).
136. **Cocktail approach for in-vitro phenotyping of major CYP450 in HLM using UHPLC-QTOF** D. Spaggiari, L. Geiser, Y. Daali, S. Rudaz PBA 2013, 30 June – 3 July, 2013, Bologna (Italy)
135. **New strategies for the analysis of pharmaceutical compounds** J.-L. Veuthey, D. Guillarme, S. Rudaz PBA 2013, 30 June – 3 July, 2013, Bologna (Italy)
134. **Extension du profilage urinaire des stéroïdes par une approche stéroïdomique pour le dépistage anti-dopage** J. Boccard, F. Badoud, S.S Ouertani, M. Hanafi, G. Mazerolles, N. Baume, S. Rudaz, M. Saugy 7e Journées du Réseau Français de Métabolomique et Fluxomique June 10 – 12, 2013, Amiens (France)
133. **Quantitative monitoring of tamoxifen extended to forty metabolites in human plasma using LC-HR-MS: New investigation capabilities for clinical pharmacology** E. Dahmane, C. Csajka, S. Rudaz, J. Boccard, K. Zaman, L. Decosterd, E. Genin, S. Leyvraz, B. Testa, B. Rochat ASMS, June 9 – 13, 2013, Minneapolis, Minnesota (USA)
132. **Effets des interfaces et des molecules superchargeantes sur les profils d'ionisation de protein intactes en CE-ESI-MS** G. Bonvin, F. Clerc, J. Schappler, S. Rudaz SEP2013, June 4-7, 2013, Paris (France)
131. **Les récentes évolutions en LC pour l'analyse de petites molecules et bio molecules** D. Guillarme, A. Périat, S. Fekete, S. Rudaz, J.-L. Veuthey SEP2013, June 4-7, 2013, Paris (France)
130. **Study of common database feeding with results coming from different analytical methods in the framework of illicit drugs chemical profiling** J. Broséus, B. Debrus, O. Delémont, S. Rudaz, P. Esseiva Chimiométrie 2012, December 5-6, 2012, Marseille (France)
129. **Differentiation of lemon essential oil based on volatile and non-volatile fractions with various analytical techniques: a metabolomic approach** F. Mehl, G. Marti, J. Boccard, B. Debrus, P. Merle, E. Delort, V. Raymo, M. I. Velazco, H. Sommer, J.-L. Wolfender, S. Rudaz Chimiométrie 2012, December 5-6, 2012, Marseille (France)
128. **Optimality properties of Nway PLS and its relation to PARAFAC** M. Hanafi, S. Ouertani, J. Boccard, G. Mazerolles, S. Rudaz Chimiométrie 2012, December 5-6, 2012, Marseille (France)
127. **Contribution of capillary zone electrophoresis to the analysis of monoclonal antibody drugs** A.-L. Gassner, S. Rudaz, J. Schappler SBCN 2012 October 23th-26th, 2012, Bordeaux (France)
126. **CE-ESI-MS Interfaces: Effect on Protein Ionization Profiles.** G. Bonvin, S. Rudaz, J. Schappler, ITP 2012—19th International Symposium, Exhibit & Workshops on Electro- and Liquid Phase-separation Techniques, September 30 – October 3, 2012, Baltimore Inner Harbor, Maryland, USA
125. **Investigations of MS Compatible Capillary Coatings for Intact Protein Analysis by CE-MS** I. Kohler, J. Schappler, M. Augsburger, S. Rudaz, ITP 2012—19th International Symposium on Electro- and Liquid Phase-separation Techniques, September 30 – October 3, 2012, Baltimore Inner Harbor, Maryland, USA
124. **Combination of liquid-based microextraction technique with capillary electrophoresis and mass spectrometry for toxicological analysis**I. Kohler, J. Schappler, T. Sierro, J.-L. Veuthey, S. Rudaz27nd Int. Symp. on Microscale Bioseparation & Analysis MSB 2012, February 12-13, 2012, Geneva (Switzerland)
123. **Beta2-microglobulin and amyloidosis: separation and characterization of protein folding conformers** E. De Lorenzi, L. Bertoletti, S. Rudaz, L. Regazzoni, G. Aldini, F. Abballe, R. Colombo, J. Schappler 27nd Int. Symp. on Microscale Bioseparation & Analysis MSB 2012, February 12-13, 2012, Geneva (Switzerland)

122. **Quality by Design-compliant automated method development and robustness in liquid chromatography** B. Debrus, P. Lebrun, Ph. Hubert, S. Rudaz Chimiométrie 2011, December 1-2, 2011, Marseille (France)
121. **Comparison of different strategies of three-way discrimination** S.S. Ouertani, J.Boccard, G. Mazerolles, S. Rudaz, M.Hanafi Chimiométrie 2011, December 1-2, 2011, Marseille (France)
120. **CE-MS; New Developments and Applications** G. Rozing, S. Rudaz, J. Schappler, I. Kohler, J.-L. Veuthey, A. Tempels, H. Kuwahara, P. Lindenburg, T. Hankemeier - 11th Asia-Pacific International Symposium on Microscale Separations and Analysis, 27 - 30 November 2011, Hobart, (Tasmania-Australia)
119. **A metabolomic approach to extend the steroid profile monitoring for doping control analysis**J. Boccard, F. Badoud, E. Grata, J.-L. Veuthey, M. Saugy, S. Rudaz Swiss Group Mass Spectroscopy (SGMS), 29th meeting, October 27-28 2011, Beatenberg (Swtzerland)
118. **Dispersive liquid-liquid microextraction combined with capillary electrophoresis for urine analysis** I. Kohler, T. Sierro, J. Schappler, J.-L. Veuthey, S. Rudaz RDPA 2011, September 21-24 2011 Pavia (Italy)
117. **Implementation of generic analytical methods to fight against counterfeits medecines.** R.D. Marini, J. Mbinze Kindenge, B. Debrus, P. Lebrun, J. Mantanus, E. Ziemons, C. Lamale, M. Fillet, S. Rudaz, Ph. Hubert RDPA 2011, September 21-24 2011 Pavia (Italy)
116. **NMR- and UHPLC-MS-based metabolomics for the chemical discrimination of different resistant Vitis vinifera cultivar woods.**S. Bertrand, A. Stefanou, J. Boccard, N. Lemonakis, G. Marti, S. Rudaz, S. Kostidis, V. Gikas, A. Skaltsounis, K. Gindro, M. Halabalaki, J.-L. Wolfender 26th Seminary in Pharmaceutical sciences, 5-9 September 2011, Zermatt (Switzerland)
115. **DLLME combined with CE-ESI TOF|MS for urine analysis** I. Kohler, T. Sierro, J. Schappler, J.-L. Veuthey, S. Rudaz 26th Seminary in Pharmaceutical sciences, 5-9 September 2011, Zermatt (Switzerland)
114. **From Targeted to Extended Steroid Profile for Doping Analysis** J. Boccard, F. Badoud, E. Grata, J.-L. Veuthey, M. Saugy, S. Rudaz HPLC 2011 Budapest Symposium, 19-23 June, 2011, Budapest (Hungary)
113. **Analysis of Peptides and Proteins with Fused Core and UHPLC Technologies** A. Staub, D. Zurlino, J. Ruta, S. Rudaz, J. L. Veuthey, D. Guillarme HPLC 2011 Budapest Symposium, 19-23 June, 2011, Budapest (Hungary)
112. **Discrimination PLS en présence de données à trois entrées** S. Ouertani, M. Hanafi, S. Rudaz, J. Boccard, G. Mazerolles 43ème édition des Journées de statistique 2011, May 23 -27, 2011, Gammarth (Tunisia)
111. **CE-MS; New Developments and Applications** G. Rozing, S. Rudaz, J. Schappler, I. Kohler, J.-L. Veuthey, A. Tempels, H. Kuwahara, P. Lindenburg, T. Hankemeier - 26th International Symposium on MicroScale Bioseparations (MSB 2011) May 1-5, 2011, San Diego, CA (USA)
110. **Analyse de peptides et de protéines à l'aide des technologies fused-core et UHPLC** A. Staub, D. Zurlino, S. Rudaz, J.-L. Veuthey, D. Guillarme SEP 2011, 22 – 25 March, 2011, Toulouse (France)
109. **Stratégies de développement de méthodes rapides en UHPLC** J. Ruta, D. Cabooter, G. Desmet, S. Rudaz, J.-L. Veuthey, D. Guillarme SEP 2011, 22 – 25 March, 2011, Toulouse (France)
108. **Couplage CE-ESI-MS à l'aide d'une interface nanospray**G. Bonvin, J. Schappler, J.-L. Veuthey, S. Rudaz SEP 2011, 22 – 25 March, 2011, Toulouse (France)
107. **Analyse de plans d'expériences en situation multivariée: une contribution des méthodes multi-blocs** G. Mazerolles, J. Boccard, S. Rudaz, M. Hanafi, Chimiométrie 2010, December 1-2, Paris (France)
106. **Discrimination PLS en présence de données à trois entrées** S.S. Ouertani, M. Hanafi, J. Boccard, S. Rudaz, Chimiométrie 2010, December 1-2, Paris (France)
105. **UHPLC: A fast and efficient tool in pharmaceutical analysis** J.-L. Veuthey, S. Rudaz, D. Guillarme Drug Analysis 2010, September 21-24, 2010, Antwerp (Belgium)
104. **Evaluation of an In-capillary Approach to Perform Quantitative CYP450 Activities Study** R. Curcio, R. Nicoli, J. Bravo, S. Rudaz, J.-L. Veuthey Drug Analysis 2010, September 21-24, 2010, Antwerp (Belgium)
103. **Nouveaux développements et applications dans l'analyse de proteins intactes par CE-TOF|MS** A. Staub, J. Schappler, S. Rudaz, J.-L. Veuthey ccCTA, 16-17 septembre 2010, Les Diablerets, Suisse,
102. **New findings in high speed, high temperature and high pressure chromatography** J.-L. Veuthey, D. Guillarme, S. Rudaz ISC 2010, September 12-15, 2010, Valencia (Spain)
101. **The response of maize roots to leaf herbivory by Spodoptera spp: a metabolomic approach** G. Marti, M. Erb, J. Boccard, S. Rudaz, T. Turlings, J-L. Wolfender Fall meeting 2010 – Swiss chemical society – ETH, September 16, 2010, Zürich (Switzerland).
100. **Intact protein analysis by CE-ESI-TOF, from method optimization to quantification** A. Staub, J. Schappler, S. Rudaz, J-L. Veuthey HPLC 2010, June 19 - 24, 2010, Boston (USA)
99. **Tree-based classification methods for the interpretation of "omics"** M. Feinberg, S. Clémençon, S. Rudaz Colloquium Chemiometricum Mediterraneum (CCM VII 2010), June 21-24, 2010, Granada (Spain)
98. **Analyse de plans d'expériences en situation multivariée : une contribution des méthodes multi-blocks.** G. Mazerolles, J. Boccard, M. Hanafi, JL Wolfender, S. Rudaz 4ème Journées Scientifiques de Métabolomique et Fluxomique, May 4 – 6, 2010, Marseille (France)
97. **New strategies to perform automated enzymatic studies.** J.-L. Veuthey, R. Nicoli, R. Curcio, S. Rudaz February 17, 2010, Debiopharm, Lausanne (Suisse).
96. **UHPLC-MS: A powerful tool in drug analysis** J.-L. Veuthey, D. Guillarme, S. Rudaz HTC-11 symposium 25-29 January 2010, Bruges (Belgium).

95. **Comparaison de différentes phases stationnaires en chromatographie de phase liquide pour l'analyse de peptides à température ambiante et haute température.** J. Ruta, D. Guillarme, S. Rudaz, J.L. Veuthey Congrès SEP 09 - Sciences séparatives et couplages. December 2-3, 2009, Marseille (France).
94. **Analyse rapide de produits dopants dans l'urine par chromatographie liquide à ultra haute pression couplée à un spectromètre de masse quadrupole à temps-de-vol.** F. Badoud, E. Grata, L. Perrenoud, M. Saugy, S. Rudaz, J.-L. Veuthey Congrès SEP 09 - Sciences séparatives et couplages. December 2-3, 2009, Marseille (France).
93. **Analyse de protéines intactes par électrophorèse capillaire couplée à un spectromètre de masse à temps-de-vol (CE-TOF|MS).** A. Staub, J. Schappler, S. Rudaz, J-L. Veuthey Congrès SEP 09 - Sciences séparatives et couplages. December 2-3, 2009, Marseille (France).
92. **Machine learning applied to UPLC-TOF|MS metabolic fingerprinting for the discovery of wound biomarkers in Arabidopsis thaliana** J. Boccard, A. Kalousis, P. Lantéri, M. Hanafi, G. Mazerolles, J.-L. Wolfender, P.-A. Carrupt S. Rudaz Chimiométrie 2009, November 30, Paris (France)
91. **New Insights in Intact Protein Analysis by CE-TOF|MS. 11th Symposium on the Practical Applications for the Analysis of Proteins, Nucleotides and Small Molecules.** J.-L. Veuthey *, A. Staub, J. Schappler, S. Rudaz, October 11-15, 2009, Boston (USA).
90. **Universal applicability of total error for the validation of bioanalytical methods** E. Rozet , B. Boulanger, S. Rudaz, R. Marini, Ph. Hubert 4èmes Journées internationales de toxicologie, Château de Colonster 2009, Liège (Belgium)
89. **Implementation of new Fast-GC-MS and UHPLC-MS|MS data in a conventional GC-MS database for heroin profiling** B. Debrus, J. Broseus, D. Guillarme, Ph. Hubert, J.-L. Veuthey, P. Esseiva, S. Rudaz, 4èmes Journées internationales de toxicologie, Château de Colonster Liège (Belgium)
88. **Validation of bioanalytical methods using total error** E. Rozet, B. Boulanger, S. Rudaz, R. Marini, E. Ziemons, P.H. Hubert (PBA 2009), October 11-14, 2009, Orlando (USA).
87. **Studying Protein phosphorylation by LC-MS: application to amniotic fluid** G. Massolini, C. Temporini, L. Dolcini, R. Nicoli, E. Calleri, M. Galliano, J.-L. Veuthey, S. Rudaz, L. Ragazzoni, G. Aldini RDPA 2009, September 9-12, 2009, Milano (Italy).
86. **High troughput and high resolution in UHPLC-MS** J-L. Veuthey, S. Rudaz, D. Guillarme (RDPA 2009), September 9-12, 2009, Milano (Italy).
85. **New Insights in intact protein analysis with CE-TOF|MS** A. Staub, J. Schappler, M. Saugy, S. Rudaz, J-L. Veuthey Fall meeting 2009, Swiss chemical society, EPFL, September 14, 2009, Lausanne (Switzerland).
84. **Metabolomics in the Quest for New Wound Biomarkers and a Global Survey of their Dynamics in Plants** G. Glauser, S. Rudaz, J.-L Wolfender, 25th meeting Society of Chemical Ecology, 2009, Neuchâtel (Switzerland)
83. **Transfer of heroin profiling method from conventional GC-MS to Fast-GC-MS & UHPLC-MS|MS** B. Debrus , J. Broséus, D. Guillarme, P. Hubert, J.-L. Veuthey, P. Esseiva, S. Rudaz TIAFT 2009, August 23-27, 2009, Geneva (Switzerland)
82. **Total Error for the validation of bioanalytical methods** E. Rozet , B. Boulanger, S. Rudaz, R. Marini, E. Ziemons, P. Hubert TIAFT 2009, August 23-27, 2009, Geneva (Switzerland)
81. **Development and validation of a drugs screening method in biological matrices using an hybrid LC-MS|MS system** V. Viette , M. Fathi, D. Hochstrasser, R. Mylonas, Y. Mauron, S. Rudaz, J.-L. Veuthey TIAFT 2009, August 23-27, 2009, Geneva (Switzerland)
80. **Fast screening and confirmation of doping agents by UHPLC-QTOF-MS|MS** F. Badoud , E. Grata, L. Perrenoud, M. Saugy, S. Rudaz, J.-L. Veuthey TIAFT 2009, August 23-27, 2009, Geneva (Switzerland)
79. **Evolution of liquid chromatography: current and future trends** D. Guillarme , S. Rudaz, J.L. Wolfender, J.L. Veuthey TIAFT 2009, August 23-27, 2009, Geneva (Switzerland)
78. **Phosphoproteome analysis by LC-MS: different approaches for the characterization of amniotic fluids** G. Massolini, C. Temporini, L. Dolcini, R. Nicoli, E. Calleri, M. Galliano, J-L Veuthey, S. Rudaz, L. Ragazzoni, G. Aldini HPLC 2009, June 28 - July 2, 2009, Dresden (Germany)
77. **Highly Efficient Separations in Isocratic and Gradient Modes Using UHPLC at High Temperature**D. Guillarme, E. Grata, Glauser G., J.-L. Veuthey, J.-L. Wolfender, S. Rudaz HPLC 2009, June 28 - July 2, 2009, Dresden (Germany)
76. **Blood doping with hemoglobin-based oxygen carriers (HBOC): analysis by CE-UV|VIS-ESI-TOF|MS** J. Schappler, A. Staub, S. Rudaz, N. Robinson, M. Saugy, J.-L. Veuthey HPLC 2009, 2009, Dresden (Germany)
75. **New strategies to perform automated phase I drug metabolism studies** R. Nicoli, R. Curcio, S. Rudaz, J-L. Veuthey PharmSciFair 2009, June 2009, Nice (France)
74. **New insights in intact protein analysis with CE-TOF|MS**J. Schappler, A. Staub, S. Rudaz, M. Saugy, J.-L. Veuthey, PharmSciFair 2009, June 2009, Nice (France)
73. **LC-MS combined with sensitive NMR methods for natural product dereplication and biomarker identification in plant metabolomics** Wolfender, J.-L., Glauser, G., Grata, E., Boccard, J., Carrupt, P. A. and Rudaz, S. LC-NMR and Related Techniques, Challenges in Biological Systems, 2008, Jena (Germany)

72. **UPLC-TOF-MS for high resolution plant metabolite profiling and metabolomics** Wolfender, J.-L., Glauser, G., Grata, E. and Rudaz, S. 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, "Natural Products with Pharmaceutical, Nutraceutical and Agrochemical Interest, 5 August 2008, Athens (Greece)
71. **Enzymes immobilization on monolith disks: an innovative strategy for protein digestion and drug metabolism studies** R. Nicoli, J.-L. Veuthey, S. Rudaz Monolith Symposium, May 30-June 4, 2008 Portorož (Slovenia)
70. **Metabolomics for the study of the wound response in plants: Spatial and temporal dynamics of low level biomarkers** J.-L. Wolfender, G. Glauser, E. Grata, J. Boccard, P.-A. Carrupt, S. Rudaz, "Plants systems biology and medicinal plants", GA symposium April 24-25, 2008, Leiden (Germany)
69. **Fast Analysis of Drugs and Related Compounds** J.-L. Veuthey, D. Guillarme, S. Rudaz, Analytica Conference 2008, April 1-3, 2008, München (Germany)
68. **Use of Separation Techniques for Performing Enzymatic Studies** J.-L. Veuthey, R. Nicoli, S. Rudaz MSB 2008 March 9-13, 2008, Berlin (Germany)
67. **Microgram scale NMR for a deeper investigation of plant metabolome** Wolfender, J.-L., Glauser, G., Grata, E., Rudaz, S. and Hostettmann, K. Joint IOCD-ISDNP Symposium, 25 February 2008, Kasane (Botswana)
66. **The potential of UPLC-TOF-MS and CapNMR for plant metabolomics** J.-L. Wolfender, Glauser G., Grata E., Boccard J., Guillarme D., Carrupt P. A., S. Rudaz Extech-10 Bruges January 28 - 30, 2008 (Belgium)
65. **Strategies to perform fast bioanalysis** J.-L. Veuthey, J. Schappler, D. Nguyen, R. Nicoli, S. Rudaz Extech-10 Bruges January 28 - 30, 2008 (Belgium)
64. **Quantification of testosterone conjugated metabolites in human urine samples by use of LC|MS|MS** E. Strahm, I. Kohler, S. Rudaz, M. Saugy, C. Saudan Extech-10 Bruges January 28 - 30, 2008 (Belgium)
63. **Analyse Analyse solvatochromique 3D des forces d'interactions moléculaires dirigeant la liaison de dérivés de flavonoïdes à la glycoprotéine P** J. Boccard, F. Bajot, E. Nicolle, A. Boumendjel, J.-Y. Gauvrit, P. Lantéri, P.-A. Carrupt, S. Rudaz Chimiométrie 2007, November 29-30, CPE Lyon (France)
62. **UPLC-TOF-MS and CAP-NMR a powerful metabolomic platform for studying stress biomarkers in Arabidopsis thaliana** E. Grata, G. Glauser, J. Boccard, D. Guillarme, P.-A. Carrupt, S. Rudaz, J.-L. Wolfender 2007 SGMS Meeting, October 24 - 26, 2007, Beatenberg (Switzerland).
61. **Validation en analyse pharmaceutiques: Limitée aux méthodes conventionnelles** D. Guillarme, S. Rudaz, J.-L. Veuthey Club de Chromatographie Ile-de-France Nord, October 25, 2007, Paris (France).
60. **L'analyse rapide et ultra-rapide en LC (UPLC, HTLC): Quo vadis?** D. Guillarme, S. Rudaz, J.-L. Veuthey Ecole doctorale en sciences pharmaceutiques, October 18, 2007, Bruxelles (Belgique).
59. **Préparation échantillon biologiques pour couplage masse : Quo Vadis** J.-L. Veuthey, S. Rudaz Club Lyonnais de chromatographie liquide, October 4, 2007, Lyon (France).
58. **Potential of CapNMR combined with MS-directed microfrationation for biomarker identification in plant metabolomic studies** J.-L. Wolfender, G. Glauser, E. Grata, D. Guillarme, J. Boccard, P. A. Carrupt, S. Rudaz, SMASH NMR conference, 17 September 2007, Chamonix, France
57. **Fast and Ultrafast analysis in the pharmaceutical domain** J.-L. Veuthey, D. Guillarme, S. Rudaz RDPA 2007September 23-26, 2007, Island of Elba (Italy).
56. **Chemometric tools to simplify method development: screening of doping agents in urinary samples** I. Marchi, S. Rudaz, J.-L. Veuthey Fall meeting 2007 – Swiss chemical society – EPFL, Lausanne (Switzerland).
55. **UPLC-Q-TOF-MS|MS and CapNMR characterization of biomarkers revealed by a metabolomic study of the wound response in *Arabidopsis thaliana*** G. Glauser, E. Grata, J. Boccard, D. Guillarme, E, Marsden-Edwards, S. Rudaz, J.-L. Wolfender Fall meeting 2007 – Swiss chemical society – EPFL, Lausanne (Switzerland).
54. **Capillary Electrophoresis-Mass Spectrometry as a powerful tool for drug analysis** J.-L. Veuthey, J. Schappler, D. Guillarme, S. Rudaz, 31th Int. Sym. on HPLC and Related Techniques, June 17-21, 2007, Ghent (Belgium).
53. **Séparation à haut débits** J.L. Veuthey S. Rudaz, D. Guillarme Congrès SEP 07 2007, Grenoble (France).
52. **Couplage de la µ-LC et µ-fast-LC avec le détecteur évaporatif à diffusion de la lumière: Mise au point et application à des échantillons pharmaceutiques.** D. Guillarme, C. Schelling, M. Dreux, S. Rudaz, J.L. Veuthey, Congrès SEP 07 2007, Grenoble (France).
51. **Analyse de composés d'intérêt dans les fluides biologiques par CE-LIF et CE-MS** J. Schappler, S. Rudaz, J.-L. Veuthey Club de Chromatographie Ile-de-France Nord, December 12, 2006, Paris (France).
49. **Highly sensitive detection techniques hyphenated to CE for bioanalysis** J. Schappler, D. Guillarme, S. Rudaz, J.-L. Veuthey 15th Int. Symposium on Capillary Electroseparation Techniques (ITP 2006) Paris (France).
48. **Characterization of sub-2µm columns in fast liquid chromatography.** D. Guillarme, R. Russo, D. Nguyen, S. Rudaz, J.-L. Veuthey ISC 2006 Copenhagen (Denmark)
47. **High temperature liquid chromatography with sub-2µm particles: a powerful analytical tool?** D. Guillarme, D. Nguyen, S. Rudaz, J.-L. Veuthey Drug Analysis 2006, May 16-19, 2006, Namur (Belgium)

46. **Comparison of three different approaches for uncertainty estimation considering LC and CE methods** B. Boulanger, P. Chiap, J. Crommen, M. Fillet, P. Hubert, R. Marini, E. Rozet, S. Rudaz, A. Servais, E. Ziemons - Drug Analysis 2006, May 16-19, 2006, Namur (Belgium)
45. **Sample preparation procedures prior to LC-MS and CE-MS** S. Rudaz, D. Guillarme, J. Schappler, I. Marchi, J.-L. Veuthey Drug Analysis 2006, May 16-19, 2006, Namur (Belgium)
44. **Evaluation of matrix effects after on-line extraction procedures with commercially available ESI, APCI and APPI sources** I. Marchi, M. Selman, S. Rudaz, J.-L. Veuthey SCBN 2006, Lille (France)
43. **HPLC vs UPLC : avantages et inconvénients** D. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey Forum Labo 2006, March 28 -31, 2006, Paris (France)
42. **Traitement des fluides biologiques avant l'analyse par LC-MS et CE-MS** J.-L. Veuthey, I. Marchi, D. Guillarme, J. Schappler, S. Rudaz Forum Labo 2006, March 28 -31, 2006, Paris (France)
41. **µ-high speed LC coupled to an evaporative light scattering detector for the rapid analysis of compounds of pharmaceutical interest** D. Guillarme, C. Schelling, S. Rudaz, J.L. Veuthey Pittcon 2006 March 12-17 Orlando (USA)
40. **Identification of natural products at the microgram level for metabolomic studies: hyphernated versus at-line approaches** J.-L. Wolfender, A. Thiocone, E. Grata, J. Boccard, S. Rudaz, P.A. Carrupt, K. Hostettmann Int. Symposium on Advances in Extraction Techniques 2006 York (United Kingdom)
39. **Strategies for conventional and chiral CE-ESI-MS analysis in plasma** J. Schappler, D. Guillarme, J.-L. Veuthey, S. Rudaz MSB 2006 January 16-19, 2006, Amsterdam (The Nederlands)
38. **Analyse multivariée de données obtenues par gradient rapide LC-TOF-MS dans le cadre d'une étude métabolomique chez A. thaliana** J. Boccard, E. Grata, A. Thiocone, PA Carrupt, JL Wolfender, S. Rudaz Chimiométrie 2005, Polytech, Lille (France).
37. **Comparaison de trois approches pour l'estimation de l'incertitude, R**.D. Marini, P. Chiap, B. Boulanger, S. Rudaz, E. Rozet, PH. Hubert, 3th int. de toxicologie hospitalière, November 24-25, 2005. Liège (Belgium).
36. **Strategies for rapid determination of drugs in biological fluids by CE and LC** J.-L. Veuthey, S. Souverain, S. Rudaz HPLC 2005 Stockholm (Sweden).
35. **Electrophorèse capillaire : quo Vadis**
J.-L. Veuthey, S. Rudaz, PharmaSciFAir, June 16, 2005, Nice (France).
34. **Electrophorèse capillaire : quo Vadis**
S. Rudaz, J.-L. Veuthey AFSEP, April 7, 2005, ESPCI Paris (France).
33. **Electrophorèse capillaire, Historique et perspectives.** J.-L. Veuthey, S. Rudaz Club Lyonnais de chromatographie liquide, January 20, 2005, Lyon (France).
32. **Statistic comparisons of LC-MS ion maps in metabolomic studies.** J. Boccard, E. Grata, A. Thiocone, M. Muller, S. Rudaz, J.-L. Wolfender Fall meeting 2004 – SCS – EPFZ. October 9, 2004, Zurich (Switzerland).
31. **Development and characterization of enzyme based support: their use and application in bioanalysis.** C. Stella, S. Rudaz, J-L Veuthey, C. Temporini, E. Calleri, G. Massolini 25th International Symposium on Chromatography (ISC), October 4 – 8, 2004. Paris (France).
30. **Use of non-aqueous solvent for modifying selectivity.** L. Geiser, S. Rudaz, J.-L. Veuthey 14th Int. Symposium on Capillary Electroseparation Techniques (ITP 2004), September 12-15, 2004. Roma (Italy).
29. **Concentration response relationship for venlafaxine: focus on onset persistent response.** M. Gex-Fabri, AE. Balant Gorgia, L. Balant, S. Rudaz, JL. Veuthey, G. Bertschy Pharmacovigilance in Psychiatry, TDM and Pharmacogenetics of Psychotropic Drugs, September 1-3, 2004. Lausanne (Switzerland).
28. **Development of a chromatographic bioreactor based on trypsin immobilised on monolithic support for the on-line digestion and identification of proteins.** G. Massolini, E. Calleri, C. Temporini, E. Perani, D. Lubda, G. Mellerio, C. Stella, J-L Veuthey, S. Rudaz, G. Caccialanza 15th Int. Symp. on Pharmaceutical and Biomedical Analysis (PBA), May 2-6, 2004. Florence (Italy).
27. **Development of UNIL088, a Cyclosporine A Prodrug for Topical Delivery to the Eye.** F. Lallemand, O. Felt-Baeyens, P. Furrer, S. Rudaz, K. Besseghir, J.-M. Dumont, F. Behar-Cohen, R. Gurny, 5th ISOPT Symposium 2004, March 11 – 14, 2004, Monte-Carlo (France).
26. **Different approaches to perform rapid and quantitative analysis by capillary electrophoresis coupled to UV and mass spectrometer detectors.**L. Geiser, S. Rudaz, J.-L. Veuthey 17th Int. Symposium on Capillary Electrophoresis & Related Microscale Techniques, February 8-12, 2004. Salzburg, (Austria).
25. **Analysis of cannabis material by headspace solid-phase microextraction combined with gas chromatography-mass spectrometry.** Y. Ilias, P. Matthieu, S. Rudaz, P. Christen, JL Veuthey Fall meeting 2003 – Swiss chemical society – EPFL. October 9, 2003, Lausanne (Switzerland).
24. **A chromatographic test for base deactivated columns: results of an interlaboratory study.** C. Stella, S. Rudaz, P. Lantéri, JY. Gauvrit, X. Liu, PA Carrupt, K. Le Mapihan, J. Vial, S. Héron, A. Tchapla, S. Heinish, JL Rocca, JL. Veuthey RDPA 2003 Cogne (Italy).
23. **An effective tool for column evaluation in the analysis of basic compounds.**C. Stella, S. Rudaz, P. Lantéri, JY. Gauvrit, JL. Veuthey HPLC 2003, Nice (France).
22. **Simplification d'un test pour l'évaluation de supports chromatographiques.** C. Stella, S. Rudaz, P. Seuret, JL. Veuthey, JY. Gauvrit, P. Lantéri Congrès SEP 2003 May 13-15, 2003. Lyon (France).

21. **Modélisation de la rétention et de l'asymétrie de composés basiques sur les supports chromatographiques HPLC.** C. Stella, S. Rey, X.Liu, P.Seuret, A.Bertschinger, S. Rudaz, PA. Carrupt, JY. Gauvrit, P. Lantéri, B. Testa, JL. Veuthey, Chimiométrie 2001, December 4-5, CNAM, Paris (France).
20. **Characterization of reversed-phases stationary phases and selection of test compounds by chemometrics (QSAR and PCA).** C. Stella, S. Rudaz, P. Seuret, JY. Gauvrit, P. Lantéri, PA Carrupt, JL. Veuthey Fall meeting 2001 – Swiss chemical society. October 12, 2001. Zurich (Switzerland).
19. **Chiral separation of fluoxetine and norfluoxetine by vancomycin CSP capillary electrochromatography and UV high sensitivity detection cell.** C. Desiderio, S. Rudaz, JL. Veuthey, MA. Raggi, S. Fanali 2nd Int. Symp. of Separations in the BioSciences, September 17-20, 2001, Prague (Czech Republic).
18. **New Trends for fast analysis of pharmaceuticals compounds.** JL. Veuthey, S. Rudaz, S. Souverain, D. Ortelli, E. Varesio, X. Cahours HPLC 2001, Maastricht (The Netherlands).
17. **Nouveaux supports d'extraction en phase solide couplée à la LC|MS pour l'analyse rapide de substances pharmaceutiques dans les fluides biologiques.** S. Souverain, D. Ortelli, E. Varesio, S. Rudaz, JL Veuthey, Congrès SEP 2001. June 12-14, 2001. Paris (France).
16. **Caractérisation de supports chromatographiques par un mélange test: sélection et validation de composés basiques à l'aide des outils chimiométriques.** C. Stella, P. Seuret, S. Rudaz, JY. Gauvrit, P. Lantéri, JL. Veuthey, Chimiométrie 2000, December 6-7, CNAM, Paris (France).
15. **Enantiomeric separation of drugs and metabolites in biological samples by capillary electrophoresis (CE) and electrochromatography (CEC).** C. Desiderio, S. Rudaz, JL. Veuthey, S. Fanali 12th Int. Symp. on Capillary Electrosep. Tech., September 10-13, 2000, Bratislava (Slovak Republic).
14. **High Troughput Analyses in Pharmacy.** J.-L. Veuthey, L. Geiser, D. Ortelli, S. Souverain, S. Rudaz, E. Varesio, EUFSEPS 2000, September 16-19, 2000, Budapest (Hungary).
13. **Chiralité en CE et CPL.** JL. Veuthey, S. Rudaz
Forum Labo 2000, CNIT, March 28-31, 2000. Paris (France).
12. **On line CE-MS for the enantioselective analysis of drugs and metabolites.**
J.-L. Veuthey, S. Rudaz, S. Cherkaoui PBA 2000, May 14-18, 2000. Basel (Switzerland).
11. **Préparation d'échantillon en HPLC : matrices liquides.** D. Ortelli, S. Rudaz, J.-L. Veuthey Club Lyonnais de chromatographie liquide, January 20, 2000. Lyon (France).
10. **Validation de méthodes de dosage LC-MS dans les fluides biologiques, exemples d'applications.** D. Ortelli, S. Rudaz, J-.L. Veuthey, (AFSEP), ESPCI, December 2, 1999, Paris (France).
9. **Capillary Electrophoresis, the potential of nonaqueous CE in pharmaceutical analysis.** S. Cherkaoui, S. Rudaz, J-.L. Veuthey Nanotech, 3th Annual European conference on micro & nanoscale technologies for the biosciences, November 30 - December 2, 1999, Montreux (Switzerland).
8. **On-line Capillary Electrophoresis - Electrospray Mass Spectrometry for the analysis of Pharmaceuticals** J.-L. Veuthey, S. Cherkaoui, S. Rudaz, E. Varesio CE-MS coupling, 1999. Novartis, Basel (Switzerland).
7. **Chiral capillary electrophoresis: improvement of detection sensitivity.** S. Fanali, S. Rudaz, Z. Aturki, C. Desiderio 12th Int. Symp. on HPCE & Related Techniques, January 23-28, 1999. Palm Springs, CA (USA).
6. **Enantioselective determination of methadone in serum: results of a clinical study.** J.-L. Veuthey, D. Ortelli, S. Rudaz 10th Int. Symp. on Chiral Discrimination, August 30, 1998. Vienna (Austria).
5. **CE : a prospective tool for chiral separation in LC.** E. Varesio, S. Rudaz, S. Cherkaoui, D. Ortelli, F. Sadeghipour, J.-L. Veuthey 7th RDPA '97,1997. Isola d'Elba (Italy).
4. **The importance of stereoselective determination of methadone.** D. Ortelli, S. Rudaz, J.-J. Déglon, J.-L. Veuthey, 3rd European methadone conference and programs for drugs addicts, 1997, Ljubljana (Slovenia).
3. **Séparations chirales de la méthadone.** J.-L. Veuthey, S. Rudaz Congrès SEP 97. Chromatographies et techniques apparentées. May 27 - 29, 1997. Paris (France).
2. **Chiral separation in Toxicology.** J.-L. Veuthey, S. Rudaz, C. Staub 34th Triennial Meeting of the Int. Ass. of Forensic Toxicologists. August 11-15, 1996. Interlaken (Switzerland).
1. **Séparation chirale de la méthadone contenue dans le sérum.** J.-L. Veuthey, S. Rudaz Congrès SEP 95. February 7 - 9, 1995. Lyon (France).

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381. **The Pentose Phosphate Pathway in the Cytosol and its Counterpart in the Endoplasmic Reticulum: Characterizing Functional Interactions,** S. Kyburz, S. Ebert, M. Zogg, G. Sakalauskaite, J. Birk, A. Schmidt, S. Rudaz, I. Meister, A.Odermatt, ISSX 16th European Meeting 2026 November 2026, Basel (Switzerland)
380. **Metabolomic and Lipidomic Insights into the Effects of Anticancer Drug Combination in Various Renal Cancer Models,** M. Fiault, P. Nowak-Sliwinska, S. Rudaz, I. Meister, 18èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique, May 19-22, 2026, Lille (France)

379. **Metabolomic Strategies Using Affordable Capillary Electrophoresis (PharmElp) to Assess Quality of Anti-Inflammatory Herbal Products**, M. Cantelmi, L.-M. Narcisi, O. Vorlet, C. Rohrbasser, S. Rudaz, C.e Vanahverbeke, F. Souard, 18èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique, May 19-22, 2026, Lille (France)
378. **Multiblock Analysis of Metabolomics Data: Application to Mindfulness Meditation and Healthcare Student Well-Being**, C. Da Silva, M. Galmiche, O. Strassel, S. Girel, I. Meister, C. Piguet, F. Jermann, J. Boccard, S. Rudaz, Chimiométrie 2026, February 18-19, 2026, Nancy (France)
377. **Uncovering Synergistic Drug Mechanisms through Metabolomics and Lipidomics in 3D Kidney Cancer Spheroids**, M. Fiault, V. Mieville, C.Schelling, S. Rudaz, P. Nowak-Sliwinska, I. Meister, Swiss Metabolomics Society Annual Meeting, October 10th 2025, Inselspital Bern, Switzerland
376. **Identification of candidate blood biomarkers of recombinant human erythropoietin administration using targeted metabolomics**, O. Salamin, L. Ramic, R. Nicoli, S. Rudaz, D. Guillarme, T. Kuuranne, Swiss Metabolomics Society Annual Meeting, October 10th 2025, Inselspital Bern, Switzerland
375. **Expanding Internal Calibration in Multi-Targeted LC-MS/MS Quantitation Using Surrogate SILs Calibrants**, O.Strassel, J. Boccard, S. Rudaz, Swiss Metabolomics Society Annual Meeting, October 10th 2025, Inselspital Bern, Switzerland
374. **Mindfulness in Healthcare Students: exploring the Biological Basis of Well-Being through Chemometric and Metabolomic Analyses** C. Da Silva, M. Galmiche, O. Strassel, S. Girel, T. Binz, C. Berchtold, C. Vögel, B. Meuleman, I. Meister, C. Piguet, F. Jermann, J. Boccard, S. Rudaz, Swiss Metabolomics Society Annual Meeting, October 10th 2025, Inselspital Bern, Switzerland
373. **Alternative SIL Calibrants for Extended Internal Calibration in LC-MS/MS Quantitative Analysis**, O. Strassel, J. Boccard, S. Rudaz RDPA 2025 - Recent Developments in Pharmaceutical Analysis, 2-5 September 2025, Pavia (Italy)
372. **Exploring the Impact of Mindfulness on Stress and Well-Being in Healthcare Students: A Combined Clinical and Metabolomic Approach**, C. Da Silva, M. Galmiche, O. Strassel, S. Girel, M. Fiault, B. Meuleman, I. Meister, C. Piguet, F. Jermann, J. Boccard, S. Rudaz, RDPA 2025 - Recent Developments in Pharmaceutical Analysis, 2-5 September 2025, Pavia (Italy)
371. **Measurement of steroid hormones and metabolites in Dried Blood Spots (DBS) by liquid chromatography-tandem mass spectrometry (LC-MS/MS) to explore circadian rhythms: a pilot analysis,** G. Galante, M. Galmiche, F. Mao, V. Bissi, G. Pizza, A. Gennai, L. Tribotti, F. Donnarumma, G. Di Dalmazi, U. Pagotto Uberto, S. Rudaz, F. Fanelli, RDPA 2025 - Recent Developments in Pharmaceutical Analysis, 2-5 September 2025, Pavia (Italy)
370. **From Match to Multiplex: alternative SIL Calibrants for Broad-Scope LC-MS/MS quantitative analysis**, O. Strassel, J. Boccard, S. Rudaz, Metabolomics 2025, June 22 – 26, 2025, Pragues (Czech Republic)
369. **Metabolomics and lipidomics to characterize the toxic mixtures effects of a synergistic two anti-cancer drugs combination in 3D cell model of kidney cancer**, V. Mieville, C. Schelling, S. Rudaz, P. Nowak-Sliwinska, I. Meister, Metabolomics 2025, June 22 – 26, 2025, Pragues (Czech Republic)
368. **Cracking the Hemp Code: How Extended Steroid Profiling Unravels the Impact of Cannabis on Male Fertility**, I. Meister, F. Zufferey, M. Rossier, R. Rahban, S. Nef, J. Boccard, S. Rudaz, Metabolomics 2025, June 22 – 26, 2025, Pragues (Czech Republic)
367. Metabolomic insights into Mindfulness: exploring the impact of non-judgmental self-awareness meditation on Healthcare Student Well Being », C. Da Silva, M. Galmiche, O. Strassel, S. Girel, M. Fiault , B. Meuleman, I. Meister, C. Piguet, F. Jermann, J. Boccard, S. Rudaz, 17èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique, June 10-13, 2025, Paris (France)
366. **Utilisation de calibrant SILs hétérologues pour la quantification multi-analytes élargie en LC-MS/MS**, O. Strassel, J. Boccard, S. Rudaz, SEP25, March 25-27, 2025, Paris (France)
365. **Developpement and validation of a capillary electrophoresis method for the control of Salbutamol sulfate**, T. M. Wane, E. A. Diop, P. E. Thiam, Y. M. Diop, C. Rohrbasser, S. Rudaz, S. O. Sarr, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
364. **Application of inert biphenyl stationary phase in the analysis of biologically relevant metabolites,** M. Galmiche, M.-A. Monat, C. Lamboley, D. A. Lopez, P. Connolly, S. Rudaz, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
363. **Drug quality control in Senegal using capillary electrophoresis: retrospect on 12 years of work**, T. M. Wane, E. A. Diop, A. Sarr, P. E. Thiam, Y. M. Diop, C. Rohrbasser, S. Rudaz, S. O. Sarr, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
362. **Monitoring of Leachable Compounds in Hospital Pharmacy-Compounded Drug Products by UHPLC-HRMS,** J. Pezzatti, W. Bello, L. Carrez, S. Rudaz, F. Sadeghipour, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).

361. **Development and optimization of an SFC-MS method for the simultaneous analysis of anticancer drugs with a wide range of physicochemical properties.** N. Nguyen, D. Guillarme, S. Rudaz, P. Bonnabry, S. Fleury-Souverain, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
360. **Strategy for Multiplexing Absolute Quantification in Metabolomics with SILs as internal calibrant: one to quantify them all !** O. Strassel, J. Boccard, S. Rudaz, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
359. **Lipidomics and metabolomics to investigate synergistic effects of erlotinib-HCl and tubacin anti-cancer drugs within 3D spheroid cell model of kidney cancer,** M. Fiault, V. Mieville, C. Schelling, S. Rudaz, P. Nowak-Sliwinska, I. Meister, 34th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2024) 9 -12 September 2024, Geneva (Switzerland).
358. **Analysis of the inhibition of adrenal synthesis and peripheral metabolism of corticosteroids by oteseconazoleand two preclinical tetrazoleantifungals** M.-C. Jäger, V. González-Ruiz, F. L. Joos, Denise V. Winter, J. Boccard, T. Degenhardt, S Brand, S. Rudaz, G. R. Thompson III, A. Odermatt, ENDO 2024, June 1-4, 2024, Boston (MA) USA
357. **Metabolomics and lipidomics to characterize synergistic effects of the anti-cancer drugs erlotinib-HCl and tubacin in 3D cell model of kidney cancer,** M. Fiault, V. Mieville, C. Schelling, S. Rudaz, P. Nowak-Sliwinska, I. Meister, RFMF meeting, June 4-6 2024, Saint-Malo (France)
356. **Integration of lipidomics and polar metabolomics for a molecular characterization of solvent neurotoxicity**, M. Galmiche, I. Meister, D. Pamies, D. L. Rodriguez, M.-G. Zurich, J. Boccard, S. Rudaz, RFMF meeting, June 4-6 2024, Saint-Malo (France)
355. **Metabolomic and lipidomic approaches in mindfulness-based intervention for health-care students**, I. Meister, S. Girel, I. Furlani, C. Holman, F. Jermann, J. Boccard, C. Piguet, S. Rudaz, 3rd Nordic Metabolomics Conference, October 18-20, 2023, Trondheim (Norway)
354. **Comprehensive plasma steroidomics in patients with different stages of prostate cancer disease**, S. Girel, P. A. Markin, E. Tobolkina, J. Boccard, N. E. Moskaleva, S. Rudaz, S. A. Appolonova, 3rd Nordic Metabolomics Conference, October 18-20, 2023, Trondheim (Norway)
353. **CE-MS-based assessment of the metabolic signature of testicular cancer in seminal plasma**, M. Mamami-Huanca, C. Fernández-Hernández, Á. López-Gonzálvez, N.Mørup, F. J. Rupérez, A. García, S. Rudaz, S. Nef, K. Alsmtrup, C. Barbas, V. González-Ruiz, 3rd Nordic Metabolomics Conference, October 18-20, 2023, Trondheim (Norway)
352. **Relationship between cannabinoid consumption and levels of endocannabinoids and androgens**, F. Zufferey, E. Buitrago, D. Hebinger, R. Rhabban, A.Senn, E. Stettler, S. Rudaz, S. Nef, N. Donzé, A. Thomas, M. Rossier, SSCC/SGKC 2023 Annual Assembly, 4- 6 October, 2023, Montana (Switzerland)
351. **GNA1-mediated acetylation of glucosamine-6-phosphate is essential for Toxoplasma gondii and cannot be bypassed by GlcNAc salvage,** J. Kloehn, M. P. Alberione, V. González-Ruiz, S. Rudaz, L. Izquierdo, D. Soldati-Favre, Swiss Metabolomic Society, Annual meeting 2023, September 15, 2023, Zürich (Switzerland)
350. **Metabolomic and lipidomic approaches in mindfulness-based intervention for health-care students,** I. Meister, S. Girel, I. Furlani, C. Holman, F. Jermann, J. Boccard, C. Piguet, S. Rudaz, Swiss Metabolomic Society, Annual meeting 2023, September 15, 2023, Zürich (Switzerland)
349. **Towards extended steroid profiling in biological samples with the development of a multi-targeted UHPLC-MS/MS workflow,** M. Galmiche, G. Visconti, S. Girel, O. Strassel, I. Meister, S. Rudaz, Swiss Metabolomic Society, Annual meeting 2023, September 15, 2023, Zürich (Switzerland)
348. **Fast in-sample multiplexed quantification of endogenous metabolites associated with chronic kidney disease using liquid chromatography–mass spectrometry,** G. Visconti, M. de Figueiredo, O. Strassel, N. Vuilleumier, D. Jaques, B. Ponte, S. Rudaz, RDPA23, September 6-9, 2023, Novara (Italy)
347. **In vitro assessment of triazole and newly developed tetrazole antifungals for potential interferences with corticosteroid biosynthesis and peripheral metabolism**, M.-C. Jäger, V. González-Ruiz, J. Boccard, F. L. Joos, D.V. Winter, G. R. Thompson III, S. Rudaz, A. Odermatt, Euroanalysis 2023, September 27-31, 2023, Geneva (Switzerland)
346. **Development of a Multitargeted UHPLC-MS/MS method for steroid profiling in biological samples** M. Galmiche, G. Visconti, S. Girel, O. Strassel, I. Meister, S. Rudaz, Euroanalysis 2023, September 27-31, 2023, Geneva (Switzerland)
346. **GNA1-mediated acetylation of glucosamine-6-phosphate is essential for Toxoplasma gondii and cannot be bypassed by GlcNAc salvage**, J. Kloehn, M. P. Alberione, V. González-Ruiz, S. Rudaz, L. Izquierdo, D. Soldati-Favre, Swiss Metabolomics Society, September 5th 2023, ETH, Zurich (Switzerland)
344. **Compassion for self and others: Validation of the French version of the Sussex-Oxford Compassion Scales (SOCS)** F. Jermann, S. Roten, J. Franzen, C. Favre, A. Spadazzi, S. Rudaz, P. Ghisletta, G. Bondolfi, 10th World Congress of Cognitive and Behavioral Therapies, June 1-4, 2023 Seoul, (South Korea)
343. **The molecular content of extracellular vesicles reflects their parent cells after morphine exposure,** T. Vujic, D. Schvartz, I. L. Furlani, I. Meister, V. González-Ruiz, S. Rudaz, J.-C. Sanchez, TIAFT Congress, August 27-30, 2023, Roma (Italy)

342. **Building a strategy to assess the neurotoxicity of glycol ethers**, D. Pamies, S. Werner, R. D. Puligilla, H. Paschoud, L. Hegg, E. Reale, M. Borgatta, J. Bertoli, C. Repond, I. Meister, T. Sajic, A. Thomas, S. Rudaz, L. Suter-Dick, J. Huwyler, N. B. Hopf, M.-G. Zurich, Eurotox 2023, September 10-13, 2023, Lubjana (Slovenia)
341. **In vitro assessment of triazole and newly developed tetrazole antifungals for potential interferences with corticosteroid biosynthesis and peripheral metabolism,** M.-C. Jäger, V. González-Ruiz, F. Joss, D. Winter, G.R. Thompson III, J. Boccard, S. Rudaz, A. Odermatt, Eurotox 2023, September 10-13, 2023, Lubjana (Slovenia)
340. **Multitargeted internal calibration for the quantification of chronic kidney disease related endogenous metabolites using liquid chromatography–mass spectrometry,** G. Visconti, M. de Figueiredo, O. Strassel, N. Vuilleumier, D. Jaques, B. Ponte, S. Rudaz, SEP23, March 28-30, 2023, Paris (France)
339. **Enantioseparation and quantification of amino acids with chiral capillary- electrophoresis mass spectrometry,** S. Ferré, V. González-Ruiz, S. Rudaz, 12th DA & 32nd PBA, 11-14 September 2022, University of Mons (Belgium)
338. **Advantages of absorption mode FT with full window apodization for Orbitrap-based metabolomic analysis,** S. Girel, K. Nagornov A. Kozhinov, Y. Tsybin, S. Rudaz, 38th International Symposium on Microscale Separations and Bioanalysis (MSB 2022), July 3-6, 2022 – Liège (Belgium)
337. **Need more sensitivity and coverage? Go micro with your regular LC**! S. Girel, V. González-Ruiz, S. Rudaz, 18th International Conference of the Metabolomics Society, June 19-23, 2022 Valencia (Spain)
336. **Untargeted polar metabolomics identifies molecular signatures associated to morphine exposure in brain endothelial cells,** I. Furlani, T. Vujic, I. Meister, V. Gonzalez Ruiz, J.-C. Sanchez, S. Rudaz, 18th International Conference of the Metabolomics Society, June 19-23, 2022 Valencia (Spain)
335. **Changes in the lipidomic profile of human brain microvascular endothelial cells and extracellular vesicles after morphine exposure,** I. Meister, T. Vujic, I. LFurlani, J.-C. Sanchez, V. González Ruiz, S. Rudaz, 18th International Conference of the Metabolomics Society, June 19-23, 2022 Valencia (Spain)
334. **Approche en Réseaux de tableaux de données**, M. Hanafi, J. Boccard, S. Rudaz, Chimiométrie, June 6-7, 2022, Brest (France)
333. **Matching experimental and accurately-simulated Orbitrap mass spectra improves feature extraction and annotation in the analysis of small and large molecules,** S. Girel, K. Nagornov, A. Kozhinov, S. Rudaz, Y. Tsybin, ASMS Conference on Mass Spectrometry and Allied Topics, June 5 - 9, 2022, Minneapolis, MN, (USA)
332. **Investigation of Leachable Compounds in water for injection used in hospital pharmacy,** W. Bello, J. Pezzatti, S. Rudaz, F. Sadeghipour, EHAP Congress, March 23-25, 2022, Vienna (Austria).
331. **How to save time for endogenous metabolites quantification with internal calibration: steroids as a case study,** G. Visconti, E. Olesti, V. González-Ruiz, G. Glauser, D. Tonoli, P. Lescuyer, N. Vuilleumier, S. Rudaz, Annual Meeting & SGMS School 16 - 19 November 2021 Dorint Resort Blüemlisalp, Beatenberg (Switzerland)
330. **Application of a Chiral UHPLC-MS|MS Method to the Quantitative Measurement of Cysteine Enantiomers in Mouse Plasma,** S. Ferré V. González-Ruiz, J. Zangari, J-C. Martinou, S. Rudaz, Annual Meeting & SGMS School 16 - 19 November 2021 Dorint Resort Blüemlisalp, Beatenberg (Switzerland)
329. **Metabolomics of COVID-19 patients: a systematic review and meta-analysis,** S. Baskhanova, N. Chuchueva, S.A. Appolonova, A. Brito et al. 5th Sechenov Int. Biomedical Summit (SIBS), November 9-11, 2021, Moscow (Russia)
328. **Metabolomics of prostate cancer in blood and urine: a systematic review and meta- analysis,** M. Savitsky, N. Chuchueva, E. Tobolkina, S. Girel, S. Rudaz, M. R. La Frano, S. A. Appolonova, A. Brito1, 5th Sechenov Int. Biomedical Summit (SIBS), November 9-11, 2021, Moscow (Russia)
327. **Aplication d'nue méthode UHPLC-MS|MS chirale é la mesure quantitative des énantiomères de la cysteine dans le plasma de souris**. S Ferré, V. González-Ruiz, J. Zangari, J.-C. Martinou, S. Rudaz, SEP21, October 5-7, 2021, Paris (France)
326. **Utilisation du profil stéroïdien étendu pour l'étude de l'exposome par RPLC-HRMS : impact des antifongiques azolés,** L. El Morabit, M.-C. Jäger, M. Patt, J. Boccard, A. Odermatt, Víctor González-Ruiz, S. Rudaz, SEP21, October 5-7, 2021, Paris (France)
325. **Comment quantifier les stéroides endogènes avec une méthodologie d'étalonnage interne à un point ?** G. Visconti, E. Olesti, V. González-Ruiz, G. Glauser, D. Tonoli, P. Lescuyer, N. Vuilleumier, S. Rudaz, SEP21, October 5-7, 2021, Paris (France)
324. **Cannabis consumption influences gonadotropin axis and semen quality in young men** F. Zufferey, N. Donzé, R. Rahban, A. Senn, E. Stettler, S. Rudaz, S. Nef, MF. Rossier, Congrès SSCC (Société Suisse Chimie Clinique) September 8 – 10, 2021, Neuchâtel, (Switzerland).
323. **How To Quantify Endogenous Steroids with A One-Point Internal Calibration Methodology?** G. Visconti, E. Olesti, V. González-Ruiz, G. Glauser, D. Tonoli, P. Lescuyer, N. Vuilleumier, S. Rudaz, RDPA 2021, September 6 - 8 2021, Modena, Italy

322. **Implementation of CE analysis in western Africa for the Quality control of drugs. Perspectives and developments,** T. M. Wane, E. H. A. Diop, C. Rohrbasser, S. Rudaz, S. O. Sarr, 35th International Symposium on Microscale Separations and Bioanalysis (e-MSB 2020) September 27-30, 2020 - http:||www.msb2020.com|
321. **Investigating bacterial sample preparation to understand cell metabolism during replication using LC-HRMS,** J. Pezzatti, M. Bergé, J. Boccard, S. Codesido, Y. Gagnebin, P. H. Viollier, V. González- Ruiz, S. Rudaz, 35th International Symposium on Microscale Separations and Bioanalysis (e-MSB 2020) September 27-30, 2020 - http:||www.msb2020.com|
320. **Alternative quantification of endogenous steroids with one-point calibration**, G. Visconti, E. Olesti, V. González-Ruiz, S. Rudaz, 35th International Symposium on Microscale Separations and Bioanalysis (e-MSB 2020) September 27-30, 2020 - http:||www.msb2020.com|
319. **Near infrared spectroscopy as a screening technique for the quality control of antiretroviral drugs for HIV treatment in Swiss prisons,** R. Deidda, L. El Morabit, C. De Bleye, P.-Y. Sacré, J. Boccard, Ph. Hubert, E. Ziemons, N. Vernaz, E. Tobolkina, J.-L. Veuthey, S. Rudaz, Chimiométrie 2020, January 27-29, 2020, Liège (Belgium)
318. **CEU mass Mediator : the tool to annotate compounds in CE-MS for metabolomics**, A. Gil-de-la-Fuente, M. Mamani-Huanca, V. González-Ruíz, S. Codesido, Á. López-Gonzálvez, A. Gradillas, S. Rudaz, A. Otero, C. Barbas, European RFMF Metabomeeting 2020, January 22th-24th 2020, Toulouse (France)
317. **Steroid profile in human seminal fluid: is it linked to sperm quality?** E. Olesti, A. Garcia, R. Rabhan, M. Rossier, J. Boccard, S. Nef, V. González-Ruiz, S. Rudaz, European RFMF Metabomeeting 2020, January 22th-24th 2020, Toulouse (France)
316. **Identifying early and sensitive neuroenergetic markers of astrocytic activation**, D. Pamies, D. Schwartz, V. González-Ruiz, J. Boccard, C. Nunes, D. Tavel, S. Rudaz, J.-C. Sanchez, M.-G. Zurich, Swiss Society of Toxicology Annual Meeting, November 28-29, 2019, Basel (Switzerland).
315. **Steroid Profile analysis by LC-HRMS in human seminal fluid: application to the FABER Cohort**, E. Olesti, A. Garcia, R. Rabhan, M. Rossier, J. Boccard, S. Nef, V. González-Ruiz, S. Rudaz, Swiss Society of Toxicology Annual Meeting, November 28-29, 2019, Basel (Switzerland).
314. **Using electrophoretic mobility for easy annotation of CE-MS metabolomics data with ROMANCE**
V. González-Ruiz, S. Codesido, N. Drouin, J. Schappler, S. Rudaz.
Annual Meeting of the Swiss Metabolomics Society 2019. Basel, Switzerland, 2019
313. **Investigating sample preparation procedures for Caulobacter crescentus in non-targeted metabolomics**
J. V. González-Ruiz, M. Bergé, S. Codesido Sanchez, Y. Gagnebin, J. Boccard, P. Viollier, S. Rudaz
12èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique. Clermont-Ferrand, France, 2019
312. **"Less is More" : Analyse de données multivariées issues de plans d'expériences multifactorielles**
V. González-Ruiz, D. Schvartz, J. Sandström, J. Pezzatti, F. Jeanneret, D. Tonoli, J. Boccard, F. Monnet-Tschudi, J.-C. Sanchez, S. Rudaz, 12èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique. Clermont-Ferrand, France, 2019
311. **AMOPLS facilitates data analysis approach in multifactorial toxicological studies using metabolomics: 3D, human neural cells analysis as a case study,** V. González-Ruiz, J. Pezzatti, J. Sandström, F. Monnet-Tschudi, D. Schvartz, M.-G. Zurich, J.-C. Sanchez, J. Boccard, S. Rudaz, Swiss Society of Toxicology Annual Meeting, November 28-29, 2019, Basel (Switzerland).
310. **Longitudinal metabolomic analysis for the evaluation of kidney transplantation,** Y. Gagnebin, J. Pezzatti, P. Lescuyer, S. De Seigneux, J. Boccard, B. Ponte, S. Rudaz, 52st Annual Meeting of the Swiss Society of Nephrology 2019, 05 - 06 December 2019 (Switzerland)
309. **Open source capillary electrophoresis device for quality control of medicines**, O. Vorlet, S. Roth, R. Scherwey, C. Rohrbasser, S. Rudaz, P. Bonnabry, 26th ITP Symposium September 1-4, 2019, Toulouse (France)
308. **DynaStI: a dynamic database for LC-MS annotation in metabolomics**, G. M. Randazzo, F. Lehmann, V. González-Ruiz, A. García, I. Xenarios, R. Liechti, A. Bridge, J. Boccard, S. Rudaz, 15th Annual Conference of the Metabolomics Society. The Hague, The Netherlands, 2019
307. **SFC-MS in metabolomics: optimization of the mobile phase conditions for the simultaneous analysis of hydrophilic and lipophilic substances**, G.L Losacco, S. Rudaz, J.-L. Veuthey, D. Guillarme, Congrès SEP19 - Sciences séparatives. March 28 - 30, 2019, Paris (France)
306. **Développement d'une nouvelle interface pour l'amélioration de la sensibilité en CE-MS** S. Ferré. N. Drouin, J. Schappler, S. Rudaz, Congrès SEP19 - Sciences séparatives. March 28 - 30, 2019, Paris (France)
305. **ANOVA multiblock OPLS (AMOPLS) as a powerful data analysis approach in structured metabolomics: human neural cells analysis as a case study,** S. Rudaz, V. González-Ruiz, J. Pezzatti, J. Sandström, F. Monnet-Tschudi, D. Schvartz, M.-G. Zurich, J.-C. Sanchez, J. Boccard, MetaboMeeting 2018, 17-19 December, University of Nottingham (UK)
304. **Selecting an optimal sample preparation in cell cultures for non-targeted metabolomics studies,** J. Pezzatti, M. Berge, V. González-Ruiz, S. Codesido, P. Viollier, S. Rudaz, MetaboMeeting 2018, 17-19 December, University of Nottingham (UK)

303. **Endocannabinoids as biomarkers of human semen quality?** F. Zufferey, N. Donzé, R. Rahban, A. Senn, E. Stettler, S. Rudaz, S. Nef, MF. Rossier, Société Suisse de Chimie Clinique, November 15-16, 2018, Berne (Switzerland).
302. **SFC-MS in metabolomics: optimization of the mobile phase conditions for the simultaneous analysis of hydrophilic and lipophilic substances**, G.L Losacco, S. Rudaz, J.-L. Veuthey, D. Guillarme, SFC 2018, October 2018, Strasbourg (France)
301. **Steroid Signature in Blood and Seminal Liquid,** A. Garcia, V. González-Ruiz, R. Rahban, J. Boccard, A. Seen, E. Stettler, M. Rossier, S. Nef, S. Rudaz, 32nd Int. Symposium on Chromatography, ISC 2018, September 22-27, 2018, Cannes – Mandelieu (France)
300. **Derringer's desirability functions as a scoring algorithm for optimizing analytical resources in metabolomic studies,** J. Pezzatti, V. González-Ruiz, S. Codesido, Y. Gagnebin, J. Boccard, S. Rudaz 32nd Int. Symposium on Chromatography, ISC 2018, September 22-27, 2018, Cannes – Mandelieu (France)
299. **New insights in CE-MS-based metabolomics,** N. Drouin, V. Gonzalez-Ruiz, S. Codesido Sanchez, S. Rudaz, J. Schappler, ISC 2018, September 22-27, 2018, Cannes – Mandelieu (France)
298. **Metabolomics in Chronic Kidney Disease: Toward a Better Understanding of Disease Progression and Hemodialysis,** Y. Gagnebin, J. Pezzatti, P. Lescuyer, S. De Seigneux, J. Boccard, B. Ponte, S. Rudaz, 32nd Int. Symposium on Chromatography, ISC 2018, September 22-27, 2018, Cannes – Mandelieu (France)
297. **Steroid Signature in Blood and Seminal Liquid**, V. Gonzalez-Ruiz, A. Garcia, S. Rudaz, Drug Analysis – Pharmaceutical Biomedical Analysis, 2018 September 9-12, 2018, Leuven (Belgium)
296. **Improvement of the Athlete Biological Passport by blood steroid profiling: challenges of a steroidomic approach,** F. Ponzetto, J. Boccard, R. Nicoli, T. Kuuranne, S. Rudaz, M. Saugy, 22nd International Mass Spectrometry Conference August 26-31, 2018, Firenze (Italy)
295. **Endocannabinoids as putative biomarkers of semen quality?** F. Zufferey, N. Donzé, R. Rahban, A. Senn, E. Stettler, S. Rudaz, S. Nef, MF. Rossier, Meeting of the Swiss Society for Clinical Chemistry, November 15-17, 2018, Bern (Switzerland).
294. **Ellagitannins from *Combretum aculeatum* as possible effective prodrugs in TB treatment**, E. A. Diop, E. F. Queiroz, L. Marcourt, S. Kicka, S. Rudaz, T. Diop, T. Soldati, J.-L. Wolfender, 66th Annual Meeting GA, 26th - 29th August, 2018, Shanghai (China)
293. **Steroidomic Profiling For The Analysis Of Seminal Liquid: The "PNR 50" Case Study,** A. Garcia, F. Zufferey, Y. Gagnebin, R. Rahban, J. Boccard, A. Seen, E. Stettler, S. Nef, M. Rossier, S. Rudaz, RFMF, May 2018, 22-25 Université de Liège (Belgium)
292. **Identifying metabolites with CE-MS: Improved reproducibility from improved migration modeling**, S. Codesido, N. Drouin, V. Gonzalez-Ruiz, Y. Gagnebin, J. Schappler, S. Rudaz, RFMF, May 2018, 22-25 Université de Liège (Belgium)
291. **Multi-platform data integration for improved metabolite coverage: application to chronic kidney disease,** Y. Gagnebin, J. Pezzatti, P. Lescuyer, S. De Seigneux, J. Boccard, B. Ponte, S. Rudaz, RFMF, May 2018, 22-25 Université de Liège (Belgium)
290. **Take the fast track to electrophoretic mobility: enhancing the robustness of your CE-MS metabolomic data with ROMANCE,** V. González-Ruiz, S. Codesido, N. Drouin, Y. Gagnebin, J. Schappler, S. Rudaz, RFMF, May 2018, 22-25 Université de Liège (Belgium)
289. **Capillary electrophoresis for the detection of sub-standard medicines: 5-years experience in Senegal**, J. Schappler, E.A. Diop, C. Rohrbasser, O. Vorlet, P. Bonnabry, S. Rudaz, 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)
288. **ROMANCE: Improving data exchange and robustness in CE-MS based metabolomics**, V. González-Ruiz, Y. Gagnebin, N. Drouin, J. Pezzatti, J, Boccard, S. Rudaz, J. Schappler, 34th Int. Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)
287. **Development of an effective mobility-based database for metabolomics identification**, N. Drouin, V. González-Ruiz, Y. Gagnebin, J. Pezzatti, J, Boccard, S. Rudaz, J. Schappler, 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)
286. **CE-ESI-MS parameters optimization: improved sensitivity in absence of nebulizing gas**, N. Drouin, S. Rudaz, J. Schappler, 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)
285. **Optimization of electromembrane parameters for the extraction of betaine, carnitine, choline, deoxycarnitine and TMAO from plasma**, N. Drouin, A. Harms, T. Kloots, J. Schapple, S. Rudaz, I. Kohler, P. W. Lindenburg, T. Hankemeier, 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018) February 18-21, 2018, Rio de Janeiro (Brazil)
284. **Counterfeits and Sub-Standards medicines: Five years experience in Senegal with capillary electrophoresis,** E.A. Diop, J. Schappler, C. Rohrbasser, O. Vorlet, P. Bonnabry, S. Rudaz, GHF 2018 Conference, April 10-12, 2018, Geneva (Switzerland)
283. **Longitudinal steroidomics of human serum by UHPLC-MS|MS for testosterone abuse detection,** J. Boccard, F. Ponzetto, R. Nicoli, N. Baume, T. Kuuranne, M. Saugy, S. Rudaz, XX Chimiométrie, January 30-31, 2018, Paris (France)

282. **A generic steroidomic approach: analysing steroid perturbations in serum using a workflow combining untargeted and targeted metabolomics methods with automated annotation**, A. Garcia, E. Reginato, I. Stevant, G. M. Randazzo, J. Boccard, S. Nef, S. Rudaz, Conférence SMMAP 2017, 2-5 octobre 2017, Marne-la-Vallée, (France)
281. **Multi-platform metabolomics and data fusion: application to chronic kidney disease**, Y. Gagnebin, J. Pezzatti, P. Lescuyer, B. Ponte, J. Boccard, S. Rudaz, Conférence SMMAP 2017, 2-5 octobre 2017, Marne-la-Vallée, (France)
280. **De la caractérisation à la quantification de Méthyle-β -Cyclodextrine dans des échantillons biologiques de souris**, L. Fougere, E. Destandau, A. L. Gassner, S. Rudaz, F. Montecucco, C. Elfakir, Conférence SMMAP 2017, 2-5 octobre 2017, Marne-la-Vallée, (France)
279. **CE-MS for metabolomic analysis**, N. Drouin, J. Pezzatti, Y. Gagnebin, V. Gonzalez Ruiz, J. Schappler, S. Rudaz, Conférence SMMAP 2017, 2-5 octobre 2017, Marne-la-Vallée, (France)
278. **Analytical Coverage Investigation of a Database of Reference Compounds for Metabolomic Studies**, J. Pezzatti, V. González-Ruiz, N. Drouin, Y. Gagnebin, S. Rudaz, Conférence SMMAP 2017, 2-5 octobre 2017, Marne-la-Vallée, (France)
277. **Counterfeits and sub-standard medicine: a 5 year experience in Sénégal with CE,** E.A. Diop, J. Schappler, C. Rohrbasser, O. Vorlet, P. Bonnabry, S. Rudaz, ITP 2017, September 10-13, Sopot (Poland)
276. **Punicalagin quantificication by CE in extract of Combretum Aculeatum used traditionnaly for tuberculosis**. E. A. Diop, S. Rudaz, ITP 2017, September 10-13, 2017, Sopot (Poland)
275. **DynaSti: an expert-curated dynamic retention time database for steroidomics,** G.M. Randazzo, F. Lehmann, J. Boccard, R. Liechti, A. J. Bridge, I. Xenarios, S. Rudaz, Swiss Pharma Science Day 2017, August 22, 2017, Bern (Switzerland)
274. **Combination of analytical methods for a database of reference compounds in metabolomic studies**, J. Pezzatti, V. González-Ruiz, Y. Gagnebin, N. Droin, S. Rudaz, Swiss Pharma Science Day 2017, August 22, 2017, Bern (Switzerland)
273. **Development of a database of reference compounds for metabolomic studies**, J. Pezzatti, V. González-Ruiz, S. Rudaz, PBA 2017, San Pablo CEU University, July 2nd to 5th 2017, Madrid (Spain)
272. **Development of a new software tool to improve data robustness in CE-MS metabolomics**, V. González-Ruiz, N. Droin, N. Codesido, Y. Gagnebin, S. Rudaz, J. Schappler, PBA 2017, San Pablo CEU University, July 2nd to 5th 2017, Madrid (Spain)
271. **Retention time indexing in RP-LC-MS based metabolomics for enhancing metabolite identification: A cross-lab trial,** M. Witting, N. Sillner, D. Spaggiari, S. Rudaz, J. Lintelmann, J.-P. Schnitzler, O. Begou, G. Theodoridis, H. Gika, P. Schmitt-Kopplin, M. Quilliam, HPLC 2017, June 18-22, 2017, Prague (Czech Republic)
270. **Applicability of SFC-MS to metabolomics: which kind of analytes can be successfully analyzed?** V. Desfontaine, S. Rudaz, J.-L. Veuthey, D. Guillarme, HPLC 2017, June 18-22, 2017, Prague (Czech Republic)
269. **Metabolomics of Human Neural Cells: an Untargeted HILIC-HRMS Approach Assisted by ANOVA Multiblock OPLS Data Analysis,** V. González-Ruiz, A. Roux, L. Stoppini, J. Boccard, S. Rudaz, MSB 2017, March 26-29, 2017, Noordwijkerhout, (The Netherlands)
268. **Développement et évaluation d'un nouveau système d'extraction électromembranaire au format 96 puits**, N. Drouin, S. Rudaz, J. Schappler, Congrès SEP 17 - Sciences séparatives. March 28- 30, 2017, Paris (France)
267. **Application d'un dispositif d'extraction electromembranaire pour des composés endogènes basiques**, N. Drouin, S. Rudaz, J. Schappler, Congrès SEP 17 - Sciences séparatives. March 28- 30, 2017, Paris (France)
266. **Amélioration de l'annotation des métabolites par la prédiction dynamique des temps de rétention : une application a un cas d'altération de la stéroïdogenèse,** G.M. Randazzo, D. Tonoli, P. Strajhar, A. Odermatt, J. Boccard, S. Rudaz, Congrès SEP 17 - Sciences séparatives et couplages. March 28- 30, 2017, Paris (France)
265. **Développement d'une base de données de composés de réferences en mode hilic pour des études metabolomiques,** J. Pezzatti, V. González-Ruiz, S. Rudaz, Congrès SEP 17 - Sciences séparatives et couplages. March 28- 30, 2017, Paris (France)
264. **Etude métabolomique de cellules neuronales humaines : approche HILIC-HRMS non-ciblée assistée par l'analyse de données ANOVA multiblock OPLS,** V. González-Ruiz, A. Roux, L. Stoppini, J. Boccard, S. Rudaz, Congrès SEP 17 - Sciences séparatives et couplages. March 28- 30, 2017, Paris (France)
263. **Développement et validation d'une méthode UHPLC-MS pour la détermination de la stabilité du Busulfan en solution,** N. Guichard, P. Bonnabry, S. Rudaz, S. Fleury-Souverain, Congrès SEP 17 - Sciences séparatives et couplages. March 28- 30, 2017, Paris (France)
262. **Profilage stéroïdomique des perturbateurs endocriniens : décomposition des sources de variabilité à l'aide de la chimiométrie,** J. Boccard, D. Tonoli, P. Strajhar, F. Jeanneret, A. Odermatt, S. Rudaz, Congrès SEP 17 - Sciences séparatives et couplages. March 28- 30, 2017, Paris (France)

261. **Mise en place d'une stratégie analytique fiable pour le contrôle de qualité des médicaments dans les pays émergents,** C. Rohrbasser, E.A. Diop, J. Schappler, E. Reginato, P. Bonnabry, O. Vorlet, S. Roth, S. Rudaz, Congrès SEP 17 - Sciences séparatives et couplages. March 28- 30, 2017, Paris (France)
260. **Étude des voies biochimiques par l'analyse multi-tableaux de données métabolomiques,** Y. Gagnebin, G.M Randazzo D. Tonoli, P. Lescuyer, B. Ponte, S. De Seigneux P-Y. Martin, J. Schappler, J. Boccard, S. Rudaz, Congrès SEP 17 - Sciences séparatives et couplages. March 28- 30, 2017, Paris (France)
259. **Multifactorial steroidomic footprinting for in vitro endocrine disruptor evaluation**, J. Boccard, D. Tonoli, P. Strajhar, F. Jeanneret, A. Odermatt, S. Rudaz, XVIII Chimiométrie, January 31-February 1, 2017, Paris (France)
258. **Enhanced metabolite annotation via dynamic retention time prediction: steroidogenesis alterations as a case study**, G. M. Randazzov, D. Tonoli, J. Boccard, P. Strajhar, A. Odermatt, S. Rudaz, XVIII Chimiométrie, January 31-February 1, 2017, Paris (France)
257. **Coadministration of ticagrelor and ritonavir: Toward prospective dose adjustment to maintain an optimal platelet inhibition using the PBPK approach,** N. Marsousi, Y. Daali, P. Fontana, S. Rudaz, C. Samer, J. Desmeules, MedLem16 meeting, November 17th 2016, Geneva (Switzerland)
256. **Electromembrane extraction for polar cationic metabolites extraction,** N. Drouin, S. Rudaz, J. Schappler, 27th Int. Symposium on Pharmaceutical and Biomedical Analysis, November 13th to16th, 2016 Guangzhou (China)
255. **Development of a low-cost analytical strategy for the detection of counterfeits and sub-standards medicines in emerging countries,** J. Schappler, E.A. Diop, E. Reginato, C. Rohrbasser, P. Bonnabry, S. Rudaz, 27th Int. Symposium on Pharmaceutical and Biomedical Analysis, November 13th to 16th, 2016 Guangzhou (China)
254. **Metabolomic analysis of urine samples by UHPLC-QTOF-MS: impact of normalization strategies,** Y. Gagnebin, D. Tonoli, P. Lescuyer, B. Ponte, S. De Seigneux, P-Y. Martin, J. Schappler, J. Boccard, S. Rudaz, 27th Int. Symposium on Pharmaceutical and Biomedical Analysis, November 13th to 16th, 2016 Guangzhou (China)
253. **Low-cost capillary electrophoresis for counterfeits detection and sub-standard drugs quality control** J. Schappler, E.A. Diop, E. Reginato, C. Rohrbasser, P. Bonnabry, S. Rudaz, 9th Swiss Pharma Science Day, August 31 2016, Bern (Switzerland)
252. **Dynamic LC retention times prediction for marker candidate's identification: steroidomics as a case study**, S. Rudaz, G. M. Randazzo, J. Boccard, F. Jeanneret, D. Tonoli, D. Guillarme, A. Nurisso, L. Goracci, S. Hambye, 9th Swiss Pharma Science Day, August 31 2016, Bern (Switzerland)
251. **Detection and dynamics of volatile|non-volatile metabolite induction in a fungal co-culture through a miniaturised MS-based metabolomic approach**, A. Azzollini, L. Boggia, J. Boccard, B. Sgorbini, N. Lecoultre, P. Rubiolo, S. Rudaz, K. Gindro, C. Bicchi, J.-L. Wolfender, 9th Joint Natural Products Conference, 23-27 of July 2016, Copenhagen (Denmark)
250. **Retention time indexing in RP-LC-MS based metabolomics for enhancing metabolite identification: A cross-lab trial,** M. Witting, N. Sillner, D. Spaggiari, S. Rudaz, J. Lintelmann, J.-P. Schnitzler, O. Begou, G. Theodoridis, H. Gika, P. Schmitt-Kopplin, M. Quilliam, Metabolomics 2016, June 27- 30 2016, Dublin (Ireland)
249. **Dynamic LC retention times prediction for marker candidate's identification: steroidomics as a case study**, S. Rudaz, G. M. Randazzo, J. Boccard, F. Jeanneret, D. Tonoli, D. Guillarme, A. Nurisso, L. Goracci, S. Hambye, Metabolomics 2016, June 27- 30 2016, Dublin (Ireland)
248. **Detection and dynamics of volatile|non-volatile metabolite induction in fungal co-culture through a miniaturised MS-based metabolomic approach,** A. Azzollini, L. Boggia, J. Boccard, N. Lecoutre, P. Rubiolo, S. Rudaz, K. Gindro, C. Bicchi, J.-L. Wolfender, 9th Joint Natural Products July 24-27, 2016, Copenhagen, Denmark
247. **Steroid profiling in H295R cells to identify chemicals potentially disrupting the production of corticosteroids and adrenal androgens,** P. Strajhar, D. Tonoli, R. M. Imhof, V. Malagnino, D. V. Kratschmar, J. Boccard, S. Rudaz, A. Odermatt, Eurotox 2016 September 4-7 (Seville) Spain
246. **d-Electromembrane extraction: a new technical development,** N. Droin, S. Rudaz, J. Schappler, 31th (MSB) 4-7 April 2016, Niagara-on-the-Lake (Canada)
245. **Electromembrane extraction on a 96 well-plate for ionic metabolites in CSF,** N. Droin, S. Rudaz, J. Schappler, 31th (MSB) 4-7 April 2016, Niagara-on-the-Lake (Canada)
244. **Evaluation of a simple low sheath-flow interface for CE-MS, V**. Gonzales, S. Rudaz, J. Schappler, 31th (MSB) 4-7 April 2016, Niagara-on-the-Lake (Canada)
243. **Low-cost capillary electrophoresis for counterfeits detection and sub-standard drugs quality control** J. Schappler, E.A. Diop, E. Reginato, C. Rohrbasser, P. Bonnabry, S. Rudaz, 31th (MSB) 4-7 April 2016, Niagara-on-the-Lake (Canada)
242. **Rapid screening for oil authenticity using IR spectroscopy followed by triglyceride analysis,** A. Scherl, P. Zimmerli, F. Mehl, D. Ortelli, S. Rudaz, P. Edder FoodIntegrity 2016, 6-7 April 2016, Prague (Czech Republic)

241. **Steroidomic Footprinting based on UHPLC-MS for the Characterization of Endocrine Disruptiing Chemicals in H295R Cells: a Focus on Identification.** D. Tonoli, P. Strajhar, J. Boccard, G.M. Randazzo, F. Jeanneret, D. Kratschmar, A. Odermatt, S. Rudaz, SysTox 2016, Les Diablerets, January 28-30 2016, (Switzerland)
240. **Targeted- and untargeted analysis of maturation dependent adverse effects of Paraquat exposure in 3D rat brain cell cultures** F. Jeanneret, J. Sandström von Tobel, J. Boccard, Florianne Monnet Tschudi, S. Rudaz, SysTox 2016, Les Diablerets, January 28-30 2016, (Switzerland)
239. **Suivi longitudinal de stéroïdes endogènes dans le sérum humain par UHPLC-MS|MS comme outil de détection de l'usage de testostérone dans le sport,** F. Mehl, F. Ponzetto, R. Nicoli, N. Baume, M. Saugy, J. Boccard, S. Rudaz XVII Chimiométrie, January 19-20, 2016, Namur (Belgium)
238. **A new method to navigate large molecular datasets using the chemical space of natural products: application to antifungal activity** M. Randazzo, Q. Favre-Godal, S. Dorsaz, E. Ferreira- Queiroz, L. Marcourt, D. Sanglard , J.-L. Wolfender, J. Boccard, S. Rudaz, XVII Chimiométrie, January 19-20, 2016, Namur (Belgium)
237. **A new UHPLC MS|MS method for the dtermination of testosterone, androsternedione and 17 hydroxyporgesterone in human plasma using isotopic internal calibration. A new way for endogenous steroids quantification.** S. Hambye, D. Tonoli, F. Jeanneret, S. Rudaz, HTC-14, Ghent, Belgium - January 27-29, 2016
236. **Urinary metabolomic to identify new biomarkers of chronic kidney disease** B. Ponte, N. Bararpour, D. Tonoli, J. Boccard, P. Lescuyer, P.-Y. Martin, S. Rudaz, S. de Seigneux 47th Annual Meeting of the Swiss Society of Nephrology, 3-4 December 2015, Basel (Switzerland)
235. **Normalization strategies for metabolomics analysis of urine samples by UHPLC-QTOF-MS** Y. Gagnebin, J. Schappler, J. Boccard, S. Rudaz. 2nd Int. Conference on Urinomics, 28th – 30th September 2015, Lisboa (Portugal)
234. **Extensive CYP450-based cocktail approach for toxicological in vitro inhibition screening: example for pesticides** D. Spaggiari, R. Canavesi, Y. Daali, S. Rudaz, SSCC, Sept. 23 - 25, 2015 Geneva (Switzerland)
233. **UHPLC high-resolution Mass Spectrometry for the evaluation of steroid perturbation: focus on 22 feature identification** D. Tonoli, P. Strajhar, J. Boccard, G.M. Randazzo, F. Jeanneret, D. Kratschmar, D. Hochstrasser, A. Odermatt, S. Rudaz Assemblée annuelle SSCC, Sept. 23 - 25, 2015 Geneva (Switzerland)
232. **Metabolomic analysis of immature and mature 3-dimensional (3D) rat brain cell cultures exposed 23 to the herbicide paraquat** F. Jeanneret, D. Tonoli, J. Sandström von Tobel, F. Monnet-Tschudi, J. Boccard, S. Rudaz, Assemblée annuelle SSCC, Sept. 23 - 25, 2015 Geneva (Switzerland)
231. **Inhibition screening method of UGTs using the cocktail approach,** S. Romand, J. Gradinaru, P.A. Carrupt, D. Spaggiari, S. Rudaz, Assemblée annuelle SSCC, Sept. 23 - 25, 2015 Geneva (Switzerland)
230. **Normalization strategies for metabolomics analysis of urine samples by UHPLC-QTOF-MS** Y. Gagnebin, J. Schappler, J. Boccard, S. Rudaz Assemblée annuelle SSCC, Sept. 23 - 25, 2015 Geneva (Switzerland)
229. **Endocannabinoid and steroid profiles in blood and seminal fluid as putative new biomarkers of male fertility** F. Zufferey, N. Donzé, S. Adamski, F. Jeanneret, D. Tonoli, J. Boccard, J. Escoffier, S. Nef, S. Rudaz, N. Schneider, MF. Rossier Assemblée annuelle SSCC, Sept. 23 - 25, 2015 Geneva (Switzerland)
228. **Coadministration of Ticagrelor and ritonavir: individualized therapy using PBPK approach.** N. Marsousi, Y. Daali, P. Fontana, S. Rudaz, C. F. Samer, J. Desmeules, 20th North American ISSX Meeting, October 18 - 22, 2015 Orlando, Florida, (USA)
227. **Medicinal plants traditionally used in Senegal for tuberculosis treatment: Mycobacterial growth assay of the extracts** E. A. Diop, E. F. Queiroz, S. Kicka, T. Diop, T. Soldati, S. Rudaz, J.-L. Wolfender XIXth International Congress "Phytopharm 2015" July 21-24, 2015, Bonn (Germany)
226. **Data fusion for vegetable oils authentication** F. Mehl, S. Bieri, P. Zimmerli, D. Ortelli, P. Edder, S. Rudaz, Swiss Food Science Meeting, 23-24 June 2015, Neuchâtel (Switzerland)
225. **Electromembrane extraction : a new technical development** N. Drouin, S. Rudaz, J. Schappler HPLC 2015, 21-25 June 2015, Geneva (Switzerland)
224. **Extensive CYP450-based cocktail approach for toxicological in vitro inhibition screening: example for pesticides** D. Spaggiari, R. Canavesi, Y. Daali, S. Rudaz HPLC 2015, 21-25 June 2015, Geneva (Switzerland)
223. **Inhibition screening method of UGTs using the cocktail approach,** S. Romand, J. Gradinaru, L. Geiser, P.-A. Carrupt, D. Spaggiari, S. Rudaz, HPLC 2015, 21-25 June 2015, Geneva (Switzerland)
222. **Normalization strategies for metabolomics analysis of urine samples by UHPLC-QTOF-MS,** Y. Gagnebin, J. Schappler, J. Boccard, S. Rudaz, HPLC 2015, 21-25 June 2015, Geneva (Switzerland)
221. **A new retention time prediction tool to help steroid identifications in reversed phase liquid chromatography** G. M. Randazzo, S. Hambye, D. Tonoli, D. Guillarme, A. Nurisso, L. Goracci, G. Cruciani, J. Boccard, S. Rudaz, HPLC 2015, 21-25 June 2015, Geneva (Switzerland)
220. **Longitudinal Monitoring of Endogenous Steroids in Human Serum by UHPLC-MS|MS as a Tool to Detect Testosterone Abuse in Sport** R. Nicoli, J. Boccard, F. Ponzetto, F. Mehl, S. Rudaz, M. Saugy, HPLC 2015, 21-25 June 2015, Geneva (Switzerland)

219. **Evaluation and identification of dioxin exposure biomarkers using UHPLC-QTOF, multivariate analyses and in vitro metabolic syntheses** F. Jeanneret, J. Boccard, D. Tonoli, O. Sorg, J.-H. Saurat, D. Hochstrasser, S. Rudaz HPLC 2015, 21-25 June 2015, Geneva (Switzerland)
218. **Steroidomic footprinting based on UHPLC high- resolution MS for the evaluation of endocrine disrupting chemicals in H295R cells: a focus on identification,** D. Tonoli, P. Strajhar, F. Jeanneret, G. M. Randazzo, S. Hambye, J. Boccard, A. Odermatt, S. Rudaz, HPLC 2015, 21-25 June 2015, Geneva (Switzerland)
217. **Analyse métabolomique de l'urine en UHPLC-QTOF-MS : influence des stratégies de prétraitement et de normalisation** Y. Gagnebin, J. Schappler, J. Boccard, S. Rudaz, 9e Journées Scientifiques du RFMF, 9 au 11 juin 2015 - Polytech Lille (France)
216. **Apport de l'électrophorèse capillaire à la réduction des déchets de solvants organiques issus de l'analyse pharmaceutique : une aubaine pour les pays à ressources limitées ?** S. O. Sarr, A. Diop, E. A. Diop, S.M. Ndiaye, R. Gueye, D. Fall, B. Ndiaye, S. Rudaz, Y. M. Diop, Journées de chimie (JAC) du Sénégal June 2, 2015, Dakar (Sénégal)
215. **Analyse qualitative et quantitative de contrefaçons par électrophorèse capillaire, une approche simultanée par double injection** J. Schappler, E. Reginato, M. C. Lai, E. A. Diop, S. Rudaz, Congrès SEP 15 - Sciences séparatives et couplages. March 30 – April 2, 2015, Paris (France)
214. **Développement et validation de deux méthodes d'électrophorèse capillaire utilisées pour évaluer la qualité de médicaments à base d'amoxicilline et de métronidazole commercialisés au Bénin et au Sénégal,** S. O. Sarr, A. Diop, G.S. Atoun, R. Gueye, E. A. Diop, B. Ndiaye, S. Rudaz, Y. M. Diop, Congrès SEP 15 - Sciences séparatives et couplages. March 30 – April 2, 2015, Paris (France)
213. **Développement d'un nouveau dispositif d'extraction électro-membranaire.** N. Drouin, S. Rudaz, J. Schappler, Congrès SEP 15 - Sciences séparatives et couplages. March 30 – April 2, 2015, Paris (France)
212. **Screening of medicinal plants used in Senegal for Tuberculosis treatment: an innovative host-pathogen assay model** E. A. Diop, E. F. Queiroz, S. Kicka, D. Tahir, T. Soldati, S. Rudaz, J.-L. Wolfender, International IOCD Symposium, April 7 – 10 2015, Marrakech (Morocco)
211. **Endocrine disruptor evaluation in H295R cells using steroidomic footprinting based on UHPLC qualitative and quantitative HR-MS** D. Tonoli, C. Fürstenberger, J. Boccard, D. Hochstrasser, F. Jeanneret, A. Odermatt, S. Rudaz XVI Chimiométrie, January 20-21, 2015, Geneva (Switzerland)
210. **Evaluation and identification of dioxin exposure biomarkers using UHPLC-QTOF, multivariate analysis and in vitro metabolism** F. Jeanneret, J. Boccard, D. Tonoli, O. Sorg, J. –H. Saurat, D. Hochstrasser, S. Rudaz , XVI Chimiométrie, January 20-21, 2015, Geneva (Switzerland)
209. **Analyse métabolomique de l'urine : stratégies de normalisation en UHPLC-QTOF-MS,** Y. Gagnebin, J. Schappler, J. Boccard, S. Rudaz, XVI Chimiométrie, January 20-21, 2015, Geneva (Switzerland)
208. **Quality control of drugs and counterfeit medicines in emerging countries with capillary electrophoresis** J. Schappler, E. Reginato, E.A. Diop, P. Bonnabry, S. Roth, C. Rohrbasser, S. Rudaz World Innovation Day – Innovation for Health, WID-I4H, 28-29 August 2014, Campus Biotech, Geneva (Switzerland)
207. **Chemical and biological study of human urinary biomarkers of dioxin exposure previously highlighted by metabolomics with high-resolution mass spectrometry** F. Jeanneret, D. Tonoli, J. Boccard, O. Sorg, J.-H. Saurat, D. Hochstrasser, S. Rudaz International MS Conference (IMSC2014), August 24 - 29, 2014 Geneva (Switzerland)
206. **Evaluation of endocrine disruptors in H295R cells culture media with high-resolution mass spectrometry using a qualitative and quantitative steroidomic approach** D. Tonoli, C. Fürstenberger, J. Boccard, D. Hochstrasser, F. Jeanneret, A. Odermatt, S. Rudaz International MS Conference (IMSC2014) August 24 - 29, 2014, Geneva (Switzerland)
205. **In Vitro Phenptypeing of microsomial Cytochromes P450, new Insights with the cocktail Approach** D. Spaggiari, L. Geiser, Y. Daali, S. Rudaz, 7th Swiss Pharmaday 2014, August 20, 2014 Basel (Switzerland)
204. **Analysis of Neopterin and Analogous by CE-MS** N. Drouin, J. Schappler, S. Rudaz, 7th Swiss Pharmaday 2014, August 20, 2014 Basel (Switzerland)
203. **Screening of potential endocrine disrupting chemicals by metabolomics analysis of adrenal H295R cell supernatants** D. Tonoli, C. Fürstenberger, P. Strajhar, F. Jeanneret, D. V. Kratschmar, J. Boccard, D. Hochstrasser, S. Rudaz, A. Odermatt 7th Swiss Pharmaday 2014, August 20, 2014, Basel (Switzerland)
202. **Analysis of pteridines by CE-MS** N. Drouin, J. Schappler, S. Rudaz, 62nd ASMS Conference on Mass Spectrometry and Allied Topics June 15 - 19, 2014, Baltimore Convention Center, Baltimore (MD), USA
201. **First insight of pteridines analysis by CE-MS** N. Drouin, J. Schappler, S. Rudaz, 30th International Symposium on MicroScale Bioseparations 27 April - 1 May, 2014, Pécs (Hungary)
200. **Detection and characterization of different conformers in a therapeutic antithrombin by CE and CE-ESI-MS** A.-L. Marie, J. Schappler, F. Saller, R. Urbain, D. Borgel, S. Rudaz, M. Taverna, N. T. Tran 30th International Symposium on MicroScale Bioseparations 27 April - 1 May, 2014, Pécs (Hungary)
199. **Analyse métabolomique pour la recherche de biomarqueurs urinaires d'exposition à la dioxine chez l'Homme** J. Boccard, F. Jeanneret, D. Tonoli, F. Badoud, O. Sorg, J.-H. Saurat, D. Hochstrasser, S. Rudaz Chimiométrie 2013, September 25-26, 2013, Brest (France)

198. **Discovery of biomarkers of dioxin intoxication in human urine: analysis by metabolomics and biologically driven strategy** J. Boccard, F. Jeanneret, O. Sorg, J.-H. Saurat, S. Vlckova, D. Pelclova, D. N. Rutledge, D. Hochstrasser, S. Rudaz EUROTOX 2013, September 1 to 4, 2013Interlaken (Switzerland)
197. **Evaluation of supercharging molecules with the sheath liquid interface in CE-ESI-MS,** G. Bonvin, S. Rudaz, J. Schappler Fall meeting 2013 – Swiss chemical society, EPFL, September 6, 2013, Lausanne (Switzerland)
196. **Capillary zone electrophoresis applied to the analysis of micro-heterogeneity in therapeutic monoclonal antibodies** A.-L. Gassner, S. Rudaz, J. Schappler, Fall meeting 2013 – Swiss chemical society EPFL, September 6, 2013, Lausanne (Switzerland)
195. **Analysis of protein therapeutics by CZE coupled to mass spectrometry,** A.-L. Gassner, S. Motamedi, J. Schappler, S. Rudaz Fall meeting 2013 – Swiss chemical society, EPFL, September 6, 2013, Lausanne (Switzerland)
194. **Highly sensitive capillary electrophoresis-mass spectrometry for rapid screening and accurate quantitation of drugs of abuse in urine** I. Kohler, J. Schappler, S. Rudaz, TIAFT 2013 Meeting, 2-6 September, 2013, Madeira (Spain)
193. **Capillary electrophoresis - mass spectrometry for the determination of carbohydrate-deficient transferrin: challenges and issues** I. Kohler, J. Schappler, M. Augsburger, S. Rudaz, TIAFT 2013 Meeting, 2-6 September, 2013, Madeira (Spain)
192. **How to choose the suitable class of stationary phases to match the solutes nature,** A. Tchapla, C. Bordes, D. Charbonneau, B. Chabot, S. Héron, J-L. Veuthey, S. Rudaz, P. Lantéri, HPLC2013, June 4-7, 2013, Amsterdam (The Netherlands)
191. **L'électrophorèse de zone appliquée à l'analyse d'anti-corps thérapeutiques** A.-L. Gassner, S. Rudaz, J. Schappler, SEP2013, June 4-7, 2013, Paris (France)
190. **Systematic comparison of sensitivity between Hilic-MS and RPLC-MS** A. Périat, J.-L. Veuthey, S. Rudaz, D. Guillarme SEP2013, June 4-7, 2013, Paris (France)
189. **Comment choisir la classe de phases stationnaires appropriée à la nature des solutés à analyser** A. Tchapla, C. Bordes, D. Charbonneau, B. Chabot, S. Héron, J-L. Veuthey, S. Rudaz, P. Lantéri SEP2013, June 4-7, 2013, Paris (France)
188. **Aroma Profiling for the determination of aldulterated foodstuffs using an enantioselective GCxGC approach** A. Bugey, Y. Janin, S. Rudaz, P. Edder, S. Bieri EuroFoodChem XVII, May 7-10th, 2013, Istambul (Turkey)
187. **Metabolomics applied to dioxin intoxication: biologically-driven strategy for the discovery of biomarkers un human urine**J. Boccard, F. Jeanneret, O. Sorg, J.-H. Saurat, D. Pelclova, D. Rutledge, D. Hochstrasser, S. Rudaz Systems Toxicology 2013, 28 April – 1 May 2013, Ascona (Switzerland)
186. **Discovering biomarkers of acute poisoning from metabolomics data: the outstanding case of Victor Yushchenko** F. Jeanneret, J. Boccard, O. Sorg, J.-H. Saurat, D. Hochstrasser, S. Rudaz Systems Toxicology 2013, 28 April – 1 May 2013, Ascona (Switzerland)
185. **On-line Sample Preconcentration Prior to CE-ESI-MS|MS: Quantitation of Drugs of Abuse in Bioanalysis.** I. Kohler, J. Schappler, M. Ausburger, S. Rudaz ITP 2012—19th International Symposium, Exhibit & Workshops on Electro- and HPLC, September 30 – October 3, 2012, Baltimore Inner Harbor, Maryland (USA)
184. **Biomarkers of Dioxin Exposure in Human Urine: a Metabolomic Study of the Poisoning of Victor Yushchenko** F. Jeanneret, J. Boccard, F. Badoud, O. Sorg, J.-H. Saurat, D. Hochstrasser, S. Rudaz Metabomeeting 2012, 25-27th September 2012, Manchester (UK)
183. **From targeted analysis to steroïdomics** S. Rudaz, J. Boccard, F. Badoud, N. Baume, M. Saugy Metabomeeting 2012, 25-27th September 2012, Manchester (UK)
182. **Integrative approach in natural product research: at-line coupling of micro fractionation with NMR, C-MS and bioassays** A. Azzolini, S. Bertrand, A. Nievergelt, J. Boccard, S. Rudaz, M. Cuendet, J.-L. Wolfender, Fall Meeting 2012, September 13, Zürich (Switzerland)
181. **Classification of lemon essential oils and selection of biomarkers by a multiblocks analysis of UHPLC-TOF-MS, NMR and NIR data using multiple factor analysis** F. Mehl, G. Marti, J. Boccard, B. Debrus, P. Merle, E. Delort, L. Baroux, L. Wünsche, H. Sommer, J.-L. Wolfender, S. Rudaz Fall Meeting 2012, September 13, Zürich (Switzerland)
180. **Compatibility of Agilent Jet Stream thermal gradient focusing technology with CE|MS tested with labile polar compounds** I. Kohler, J. Schappler, S. Rudaz, R. Schoening, J. Jasak, G. Ross, C. Wenz, M. Greiner, 60th ASMS Conference on Mass Spectrometry, May 20 - 24, 2012, Vancouver, (Canada)
179. **Enantioselective GCxGC-TOFMS for the detection of adulterated fruit spirits with synthetic aroma** S. Bieri, Y. Janin, B. Debrus, S. Rudaz, P. J. Marriott, A. Bugey 36th International Symposium on Capillary Chromatography (ISCC) May 27 - June 1, 2012, Riva del Garda (Italy)
178. **Dispersive liquid-liquid microextraction combined with capillary electrophoresis and time- of-flight mass spectrometry for urine analysis** I. Kohler, J. Schappler, T. Sierro, J.-L. Veuthey, S. Rudaz MSB 2012, February 12-13, 2012, Geneva (Switzerland)

177. **Evaluation of a sheathless interface based on a porous tip for CE-MS coupling**
G. Bonvin, J.-L. Veuthey, S. Rudaz, J. Schappler MSB 2012, February 12-13, 2012, Geneva (Switzerland)
176. **Insulin ionization profiles in CE-ESI-MS** G. Bonvin, J.-L. Veuthey, S. Rudaz, J. Schappler MSB 2012, February 12-13, 2012, Geneva (Switzerland)
175. **A New Sprayer for Coupling Capillary Electrophoresis with Thermal Gradient Focusing ESI-MS Technology** I. Kohler, J. Schappler, S. Rudaz, M. Greiner, HP. Zimmermann, C. Wenz, MSB 2012, February 12-13, 2012, Geneva (Switzerland)
174. **Optimisation of CE-ESI-MS platform for intact protein analysis: conformational studies on beta2-microglobulin** L. Bertoletti, J. Schappler, S. Rudaz, R. Colombo, E. De Lorenzi, MSB 2012, February 12-13, 2012, Geneva (Switzerland)
173. **Capillary electrophoresis combined with time-of-flight mass spectrometry for the analysis of carbohydrate-deficient transferrin** I. Kohler, J. Schappler, M. Augsburger, J.-L. Veuthey, S. Rudaz MSB 2012, February 12-13, 2012, Geneva (Switzerland)
172. **Analytical Challenges for in vivo Investigations on a Rodent Ocular Model: Quantification of Cyclosporine A** M. Rodriguez-Aller, D. Guillarme, R. Nicoli, S. Rudaz, J.-L. Veuthey, R. Gurny MSB 2012, February 12-13, 2012, Geneva (Switzerland)
171. **Analyse multi-tableaux de données UHPLC-QTOF-MS, RMN et FT-MIR: application à la differentiation d'huile essentielle de citron.** F. Mehl, G. Marti, J. Boccard, L. Marcourt, B. Debrus, P. Merle, E. Delort, L. Barroux, H. Sommer, J.-L. Wolfender, S. Rudaz Chimiométrie 2011, December 1-2, 2011, Marseille (France)
170. **A novel water-soluble Cyclosporine A prodrug for ophthalmic application**
M. Rodriguez-Aller, B. Kaufmann, D. Guillarme, I. Elzaoui, F. Valamenesh, F. Behar-Cohen2, S. Rudaz, J.-L. Veuthey, R. Gurny Ocular Pharmacology and Therapeutics, December 1-4, 2011, Vienna (Austria)
169. **Characterization of in vitro drug metabolism using a high throughput multicapillary micro-bioreactor** D. Spaggiari, J. Bravo, R. Nicoli, R. Curcio, J. L. Veuthey, S. Rudaz RDPA 2011, Sept.21-24, 2011, Pavia (Italy)
168. **Study of UV irradiation effects on Vitis leaves at the metabolome level by UHPLC-TOFMS**
G. Marti, J. Boccard, S. Rudaz, K. Gindro, J.-L. Wolfender, Fall meeting 2011 – Swiss chemical society – ETH, September 9, 2011, Zurich (Switzerland)
167. **The use of HILIC as an alternative strategy to RPLC for pharmaceutical applications**
J. Ruta, S. Rudaz, J.-L. Veuthey, D. Guillarme HPLC 2011, 19-23 June, 2011, Budapest (Hungary)
166. **The use of Immobilized Trypsin Bioreactors with MALDI TOF|TOF for Protein Digestion and Identification Studies** M. Seve, R. Nicoli, S. Michelland, M. Couvet, S. Rudaz, J.-L. Veuthey Proteomic Forum 2011, April 3 - 7, 2011, Berlin (Germany)
165. **Profiling of endogenous steroids by UHPLC-QTOF-MSE** F. Badoud, E. Grata, J. Boccard, S. Rudaz, J.-L. Veuthey, M. Saugy Congress on Steroid Research, 27-29 March, 2011, Chicago (USA)
164. **Analyse de composés d'intérêt toxicologique dans l'urine par CE – ESI TOF-MS**
I. Kohler, J. Schappler, J.-L Veuthey, S. Rudaz SEP2011, March 22-25, 2011, Toulouse (France)
163. **Analyse stéroïdomique dans l'urine par UHPLC-QTOF-MS pour le dépistage anti-dopage**
J. Boccard, F. Badoud, E. Grata, S.S. Ouertani, M. Hanafi, G. Mazerolles, P. Lantéri, J.-L. Veuthey, M. Saugy, S. Rudaz Chimiométrie 2010, December 1-2, Paris (France)
162. **Quantification of Bupropion, Hydroxy-Bupropion, Moclobemide Reboxetine and Trazodone by LC-MS for Therapeutic Drug Monitoring** E. Choong, S. Rudaz, A. Kottelat, D. Guillarme, J.-L. Veuthey, Ch. B. Eap, 27th Montreux symposium on LC|MS, November 10-12, 2010, Montreux (Switzerland)
161. **Contribution to fight against counterfeit medicine applying several analytical tools**
R.D. Marini, J. Mbinze Kindenge, M.L.A. Montes, B. Debrus, P. Lebrun, J. Mantanus, E. Ziemons, C. Rohrbasser, S. Rudaz, Ph. Hubert Drug Analysis 2010, September 21-24, 2010, Antwerp (Belgium)
160. **How the dissolution solvent affects peaks shapes in Hydrophilic Interaction Chromatography?**
D. Guillarme, D. McCalley, S. Rudaz, J.-L. Veuthey ISC 2010, September 12-15, 2010, Valencia (Spain)
159. **Séparation simultanée d'analogues de structure cationiques et anioniques par électrophorèse capillaire couplée à la spectrométrie de masse (CE-MS) : application à l'analyse de la mélamine et ses dérivés.**
I. Kohler, J. Schappler, J.-L. Veuthey, S. Rudaz Congrès SEP 09December 2-3, 2009, Marseille (France)
158. **Chromatographie liquide à ultra haute pression (UHPLC): évaluation des systèmes disponibles.** D. Guillarme, J. Schappler, S. Rudaz, J.L. Veuthey Congrès SEP 09 December 2-3, 2009, Marseille (France)
157. **Comparaison de différentes approches de chromatographie en phase liquide permettant d'augmenter la vitesse d'analyse et|ou la résolution.** D. Guillarme, J. Ruta, S. Rudaz, J.L. Veuthey Congrès SEP 09 December 2-3, 2009, Marseille (France)
156. **Machine learning applied to UPLC-TOF|MS metabolic fingerprinting for the discovery of wound markers in Arabidopsis thaliana** S. Rudaz, J. Boccard, A. Kalousis, M. Hilario, P.A. Carrupt, J.-L. Veuthey, J.-L. Wolfender 13th Int. Meeting RDPA 2009, September 9-12, 2009, Milano (Italy)
155. **Evaluation of decision methodologies for method validation** E. Rozet, S. Rudaz, A. Bouabidi, A. Bouklouze, M.Talbi, B. Boulanger, Ph.Hubert 13th Int. RDPA 2009, September 9-12, 2009, Milano (Italy)

154. **Validation of a near infrared sprectroscopy method for the quantitative determination of an active ingredient in non-coated pharmaceutical pellets.** J. Mantanus, E. Ziemons, P. Lebrun, E. Rozet, S. Rudaz, R. Klinkenberg, B. Streel, B. Evrard, Ph. Hubert 13th Int. RDPA 2009, September 9-12, 2009, Milano (Italy)
153. **Use of CE-C4D for quality control of pharmaceutical formulations produced in hospital pharmacy** S. Nussbaumer, S. Fleury-Souverain, P. Bonnabry, S. Rudaz, J.-L. Veuthey 13th Int. RDPA 2009, September 9-12, 2009, Milano (Italy)
152. **Development of a new artificial membrane to predict the passive permeation trough the blood-brain barrier using Pampa** C. Passeleu, J. Boccard, S. Rudaz, J. Boccard, P.A. Carrupt, S. Martel Fall meeting 2009 – Swiss chemical society – EPFL, September 14, 2009, Lausanne (Switzerland)
151. **Machine learning applied to UPLC-TOF|MS metabolic fingerprinting for the discovery of wound markers in Arabidopsis thaliana** S. Rudaz, J. Boccard, A. Kalousis, M. Hilario, P.A. Carrupt, J.L. Veuthey, J.L. Wolfender, Fall meeting 2009 EPFL, September 14, 2009, Lausanne (Switzerland)
150. **Blood doping with hemogoglobin-based oxygen carriers (HBOC): analysis by CE-UV and CE|ESI-TOF** A. Staub, J. Schappler, M. Saugy, S. Rudaz J-L. Veuthey Fall meeting 2009 EPFL, September 14, 2009, Lausanne (Switzerland)
149. **Metabolite profiling of plants extracts by UPLC at elevated temperature coupled to TOF|MS** D. Guillarme, G. Glauser, E. Grata, S. Rudaz J-L. Veuthey, J.-L. Wolfender Fall meeting 2009 EPFL, September 14, 2009, Lausanne (Switzerland)
148. **CE|ESI-TOF for human growth hormone analysis** A. Staub, J. Schappler, M. Saugy, S. Rudaz J-L. Veuthey Fall meeting 2009 EPFL, September 14, 2009, Lausanne (Switzerland)
147. **Comparison between performance of columns packed with sub 2µm and fused-core particles for peptides analysis** J. Ruta, D. Guillarme, S. Rudaz, J-L. Veuthey Fall meeting 2009 EPFL, September 14, 2009, Lausanne (Switzerland).
146. **Blood doping with hemoglobin-based oxygen carriers: analysis by CE-UV and CE-ESI-TOF|MS** A. Staub, J. Schappler, M. Saugy, S. Rudaz TIAFT 2009, August 23-27, 2009, Geneva (Switzerland)
145. **Validation and long-term evaluation of a modified on-line chiral analytical method for therapeutic drug monitoring of (R,S)-methadone in clinical** N. Ansermot, S. Rudaz, M. Brawand-Amey, S. Fleury-Souverain, J.-L. Veuthey, C.B. Eap TIAFT 2009, August 23-27, 2009, Geneva (Switzerland)
144. **Competitive interactions between fungi: a new source of original bioactive molecules** G. Glauser, K. Gindro, S. Rudaz, J.-L. Wolfender 57th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, August 16 – 20, 2009, Geneva (Switzerland)
143. **CE-ESI-TOF|MS for human growth hormone analysis** J. Schappler, A. Staub, M. Saugy, S. Rudaz, J.-L. Veuthey HPLC 2009, June 28 - July 2, 2009, Dresden (Germany)
142. **Development of an in-capillary method to nanoscale automated in vitro cytochromes P450 assays** R. Nicoli, R. Curccio, S. Rudaz, J.-L. Veuthey HPLC 2009, June 28 - July 2, 2009, Dresden (Germany)
141. **Practical solutions for overcoming the acetonitrile shortage in analytical procedures** D. Guillarme, J. Schappler, S. Rudaz, J.-L. Veuthey HPLC 2009, June 28 - July 2, 2009, Dresden (Germany)
140. **A new deep UV detector for capillary electrophoresis based on LED technology** C. Rohrbasser, D. Rhême, S. Decastel, S. Roth, J.-L. Veuthey, S. Rudaz HPLC 2009, June 28 - July 2, 2009, Dresden (Germany)
139. **Simultaneous determination and quantification of 7 psychotropic drugs and 4 metabolites in human plasma by HPLC-MS for therapeutic drug monitoring** E. Choong, S. Rudaz, A. Kottelat, D. Guillarme, J.-L. Veuthey, C. B. Eap 25th LC|MS Montreux Symposium November 12–14, 2008, Montreux (Switzerland)
138. **Profiling of oxylipin-containing galactolipids in Arabidopsis extracts by ultra-performance liquid chromatography | time of flight spectrometry** G. Glauser, E. Grata, S. Rudaz, J.-L. Wolfender Congreso Iberoamericano de Quimica, XXIV October 13 – 17, 2008, Cusco (Peru)
137. **Investigations of sample preparation of Urine Samples prior CE-MS analysis of Pharmaceutical compounds** M. Rovini, M. Anzini, J.-L. Veuthey, S. Rudaz XIX National Meeting on Medicinal Chemistry, September 14-18, 2008 Verona, (Italy)
136. **Coupling UPLS with MS: possibilities and issues. Application to the analysis of CYP450 subtrates for drug metabolism** J. Schappler, D. Guillarme, R. Nicoli, D. Nguyen, S. Rudaz, J.-L. Veuthey Fall meeting 2008 – Swiss chemical society – September 11, 2008, Zürich (Switzerland)
135. **Very efficient separations in isocratic and gradient modes using UHPLC technology at ambient and high temperature** D. Guillarme, E. Grata, G. Glauser, J.-L. Veuthey, J.-L. Wolfender, S. Rudaz Fall meeting 2008 – Swiss chemical society – September 11, 2008, Zürich (Switzerland)
134. **Ultrafast separation with 10 mm columns packed with sub-2µm particles: qualitative and quantitative perspective in pharmaceutical analysis** D. Guillarme, C. Schelling, S. Rudaz, J.-L. Veuthey Fall meeting 2008 – Swiss chemical society – September 11, 2008, Zürich (Switzerland)

133. **Evaluation of the Ultra-Performance Liquid Chromatography for rapid chiral separation** D. Guillarme, G. Bonvin, F. Badoud, J. Schappler, S. Rudaz, J.-L. Veuthey Fall meeting 2008 – Swiss chemical society – September 11, 2008, Zürich (Switzerland)
132. **Development of an optimized LC-MS system for the rapid isolation of minor bioactive compounds in crude plant extract** G. Glauser, D. Guillarme, E. Grata, S. Rudaz, J.-L. Wolfender Fall meeting 2008 – Swiss chemical society – September 11, 2008, Zürich (Switzerland)
131. **Fast analysis of doping agents with UPLC-qTOF-MS, Part. I: Screening analysis** F. Badoud, E. Grata, L. Perrenoud, M. Saugy, S. Rudaz, J.-L. Veuthey Fall meeting 2008 September 11, 2008, Zürich (Switzerland)
130. **Fast analysis of doping agents with UPLC-QTOF-MS|MS, Part. II: Confirmatory analysis** E. Grata, F. Badoud, L. Perrenoud, L. Mateus-Avois, M. Saugy, S. Rudaz, J.-L. Veuthey Fall meeting 2008 September 11, 2008, Zürich (Switzerland)
129. **Strategies for chiral CE-ESI-MS analysis in plasma** J. Schappler, D. Guillarme, J.-L. Veuthey, S. Rudaz 20th International Symposium on Chirality (ISCD-20 Chirality 2008), July 6, 2008, Geneva (Switzerland)
128. **Evaluation of UPLC for rapid chiral separation** D. Guillarme, G. Bonvin, F. Badoud, J. Schappler, S. Rudaz, J.-L. Veuthey 20th International Symposium on Chirality (ISCD-20 Chirality 2008) July 6, 2008, Geneva (Switzerland)
127. **Full Compliance of the Evaporative Light-Scattering Detector coupled to LC for validated methods in Pharmaceutical Industry** D. Guillarme, C. Schelling, S. Rudaz, J.-L. Veuthey, E. Verette, M. Dreux Analytica Conference 2008, April 1-3, 2008, München (Germany)
126. **Optimization of an Evaporative Light-Scattering Detector for UPLC** R. Russo, D. Guillarme, S. Rudaz, J.-L. Veuthey, E. Verette, M. Dreux Analytica Conference 2008, April 1-3, 2008, München (Germany)
125. **Development of an In-Capillary Enzymatic Assay for Rapid screening of CYP2D6 inhibitors** R. Nicoli, R. Curccio, B. Mudry, S. Rudaz, J.-L. Veuthey 22nd Int. Symposium Microscale Bioseparation & Methods for System Biology MSB 2008 March 9-13, 2008, Berlin (Germany)
124. **Multivariate Optimisation of Highly Sensitive Detection Techniques for Bioanalysis in CE** S. Rudaz, J. Schappler, A. Staub, D. Guillarme, J.-L. Veuthey 22nd Int. Symposium Microscale Bioseparation & Methods for System Biology MSB 2008 March 9-13, 2008, Berlin (Germany)
123. **How to improve chromatographic performance for the LC-MS isolation of minor bioactive compounds from crude plant extracts** Glauser, G., Guillarme, D., Grata, E., Rudaz, S. and Wolfender, J.-L. Joint IOCD-ISDNP Symposium, 25 February 2008, Kasane (Botswana)
122. **Quantitative performance of ELSD for pharmaceutical drugs in HPLC and µ-LC** D. Guillarme, C. Schelling, M. Dreux, S. Rudaz, J.-L. Veuthey Extech-10 Bruges January 28 - 30, 2008 (Belgium)
121. **Ultra-fast separations with 10 mm columns packed with sub-2 µM particles: some qualitative and quantitative perspectives in pharmaceutical analysis** D. Guillarme, C. Schelling, S. Rudaz, J.-L. Veuthey Extech-10 Bruges January 28 - 30, 2008 (Belgium)
120. **Coupling UPLC with MS: possibilities and issues. Application to the analysis of CYP450 substrates for drug metabolism** D. Guillarme, R. Nicoli, D. Nguyen, J. Schappler, S. Rudaz, J.-L. Veuthey Extech-10 Bruges January 28 - 30, 2008 (Belgium)
119. **Influence of the presence of fines in a particulate column** J. Billoen, D. Guillarme, S. Rudaz, J.-L. Veuthey, H. Ritchie, B. Grady, G. Desmet Extech-10 Bruges January 28 - 30, 2008 (Belgium)
118. **Fast screening of 115 doping agents in urine using 96 well plate solid phase extraction and UPLC-qTOF-MS** F. Badoud, E. Grata, L. Perrenoud, L. Mateus-Avois, M. Saugy, S. Rudaz, J.-L. Veuthey CHUV RESEARCH DAY "Regenerative Medicine", January 17, 2008 Lausanne (Switzerland)
117. **Quelle technique de préparation utiliser pour des prélèvements de faibles volumes** I. De Giorgi, S. Fleury-Souverain, C. Fonzo-Christe, S. Rudaz, P. Bonnabry 14ème journées franco-suisses de pharmacie hospitalière, November 15-16, 2007, Lausanne (Switzerland)
116. **A multi-steps strategy for the metabolomic study of stress-induced metabolites in Arabidopsis Thaliana** E. Grata, G. Glauser, D. Guillarme, J. Boccard, P.A. Carrupt, J.-L. Veuthey, J.-L. Wolfender, S. Rudaz RDPA 2007 September 23-26, 2007, Island of Elba (Italy)
115. **Fast LogP Measurement by ultra performance chromatography (UPLC)** Y. Henchoz, D. Guillarme, S. Rudaz, J.L. Veuthey, P.A. Carrupt RDPA 2007 September 23-26, 2007, Island of Elba (Italy)
114. **Comparison of a home-made trypsin monolithic bioreactor with in-solution digestions and poroszyme cartridge for peptide mass fingerprinting** R. Nicoli, C. Stella, N. Gaud, S. Rudaz, J.-L. Veuthey RDPA 2007 September 23-26, 2007, Island of Elba (Italy)
113. **Immobilization of recombinant CYP2D6 on monolithic convective interaction media minidisks for on-line phase one metabolic studies** R. Nicoli, M. Bartolini, B. Mudry, V. Andrisano, S. Rudaz, J.-L. Veuthey RDPA 2007 September 23-26, 2007, Island of Elba (Italy)
112. **Multiway PLS calibration model based on Molecular Lipophilicity Potential and GRID Molecular Interaction Fields with artificial membrane PAMPA-skin experimental data** J. Boccard, G. Ottaviani, S. Martel, S. Rudaz, P.-A. Carrupt Fall meeting 2007 EPFL, September 12, 2007, Lausanne (Switzerland)

111. **UPLC at High Temperature as highly efficient technique for the separation of complex pharmaceutical mixtures** D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey Fall meeting 2007 EPFL, September 12, 2007, Lausanne (Switzerland)
110. **CZE-LIF analysis of pharmaceutical compounds in biological fluids, evaluation of various derivatisation mode.** J. Schappler, S. Rudaz, J.-L. Veuthey Fall meeting 2007 EPFL, September 12, 2007, Lausanne (Switzerland)
109. **CZE and MEEKC coupled with APPI|MS for pharmaceutical applications** J. Schappler, D. Guillarme, J. Prat, S. Rudaz, J.-L. Veuthey Fall meeting 2007 EPFL, September 12, 2007, Lausanne (Switzerland)
108. **Cyclosporine Pharmacokinetics in Peripheral Blood Mononuclear Cells: Effects of ABCB1 Genetic Polymorphisms and P-Glycoprotein Activity.** N. Ansermot, M. Rebsamen, J. Chabert, M. Fathi, M. Gex-Fabry, Y. Daali, M. Besson, S. Rudaz, D. Hochstrasser, P. Dayer, J. Desmeules 8th Congres of the European Association for Clinical Pharmacology August 29th - 1 September 2007, Amsterdam, (the Netherlands)
107. **Enantiomeric purity testing of S-timolol by non aqueous CE using heptakis(2,3-di-O-methyl-6-O-sulfo)-β-cyclodextrin as chiral additives - Validation using the accuracy profile strategy and estimation of uncertainty** R. D. Marini, A.-C. Servais, E. Rozet, P.Chiap, B. Boulanger, S. Rudaz, J. Crommen, PH. Hubert, M. Fillet HPLC 2007 June 17-21, Ghent (Belgium).
106. **UPLC coupled to an ELSD for the rapid analysis of phytochemical compounds** R. Russo, D. Guillarme, C. Bicchi, S. Rudaz, J.-L. Veuthey HPLC 2007 June 17-21, Ghent (Belgium)
105. **A multi-steps strategy for the efficient detection, localisation and isolation of stress-induced metabolites in Arabidopsis thaliana by UPLC-TOF-MS** G. Glauser, E. Grata, D. Guillarme, J. Boccard, P.A. Carrupt, S. Rudaz, J.L. Wolfender, HPLC 2007 June 17-21, Ghent (Belgium).
104. **CZE and MEEKC coupled with APPI|MS for pharmaceutical applications** J. Schappler, D. Guillarme, J. Prat, S. Rudaz, J.-L. Veuthey HPLC 2007 June 17-21, Ghent (Belgium)
103. **UPLC at High Temperature as highly efficient technique for the separation of complex pharmaceutical mixture** D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey HPLC 2007 June 17-21, Ghent (Belgium)
102. **Multiway PLS calibration model based on Molecular Lipophilicity Potential and GRID Molecular Interaction Fields with artificial membrane PAMPA-skin experimental data** J. Boccard, G. Ottaviani, S. Martel, S. Rudaz, P.-A. Carrupt Congrès GGMM – Molecular Modeling. May 2-4, 2007. Grenoble (France)
101. **Characterization of original wounded-inducible oxylipins by multple step LC-MS-triggered microfractionation combined with CapNMR** G. Glauser, E. Grata, J. Boccard, P.A. Carrupt, S. Rudaz, J.L. Wolfender PSE, 50 years of the Phytochemical Society of Europe, April 11-14, 2007 Cambridge (UK)
100. **Metabolomics for searching bioactive stress-induced defence plant constituents: study of the wound response of *A. thaliana* as a case study** G. Glauser, E. Grata, J. Boccard, P.A. Carrupt, S. Rudaz, J.L. Wolfender Biology, pharmacology and clinical studies of asian plants, April 9-11, 2007 Surabaya (Indonesia)
99. **Mise en évidence et suivi de l'induction de composés de signalisation et défense chez *A. thaliana* par analyse rapide UPLC-TOF-MS** G. Glauser, E. Grata, J. Boccard, P.A. Carrupt, S. Rudaz, J.L. Wolfender Congrès SEP 07 - Sciences séparatives et couplages. March 20-23, 2007. Grenoble (France)
98. **Evaluation de différents modes de dérivation pour l'analyse par CE-LIF de molécules d'intérêt pharmaceutique dans les fluides biologiques** J. Schappler, S. Rudaz, J.-L. Veuthey Congrès SEP 07 - Sciences séparatives et couplages. March 20-23, 2007. Grenoble (France)
97. **Développement et validation d'une procédure analytique pour la séparation d'agents anti-tuberculeux par UPLC et HT-UPLC** D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey Congrès SEP 07 - Sciences séparatives et couplages. March 20-23, 2007. Grenoble (France)
96. **Utilisation de l'UPLC à haute température dans le domaine pharmaceutique: avantages|inconvénients** D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey Congrès SEP 07 March 20-23, 2007. Grenoble (France)
95. **Analyse de psychostimulants dans les fluides biologiques par CZE-LIF** L. Gremaud, J. Schappler, C. Rohrbasser, J.-L. Veuthey, S. Rudaz Congrès SEP 07 March 20-23, 2007. Grenoble (France)
94. **UPLC coupled to an ELSD for the rapid analysis of non-UV detectable compounds** R. Russo, D. Guillarme, C. Bicchi, S. Rudaz, J.-L. Veuthey Congrès SEP 07 March 20-23, 2007. Grenoble (France)
93. **Analyse multivariée par OSC-ACP|CAH de données métabolomiques obtenues par HPLC-TOF|MS chez *A. thaliana*** J. Boccard, E. Grata, G. Glauser, P.-A. Carrupt, J.-Y. Gauvrit, P. Lantéri, J.-L. Wolfender, S. Rudaz, Chimiométrie 2006, November 30 - December 1, ESC, Paris (France)
92. **New trends in fast LC** D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey 1ère rencontre Universités de l'Arc Alpin – Pharmapeptides, November 24, 2006, Archamps (France)
91. **CE.LIF at 266 nm: optimization, validation and applications to pharmaceutical compounds analysis in biological fluids** J. Schappler, D. Guillarme, S. Rudaz, J.-L. Veuthey 1ère rencontre Universités de l'Arc Alpin – Pharmapeptides, November 24, 2006, Archamps (France)
90. **UPLC coupled to an evaporative light scattering detector for the rapid analysis of non UV detectable compounds** R. Russo, D. Guillarme, C. Bicchi, S. Rudaz 1ère rencontre Universités de l'Arc Alpin – Pharmapeptides, November 24, 2006, Archamps (France)

89. **μ-high speed LC coupled to an ELSD for the rapid analysis of compounds of pharmaceutical interest, Eastern** P. Kohn, D. Guillarme, C. Schelling, S. Rudaz, J.-L. Veuthey Analytical Symposium (EAS), November 12-15, 2006, Somerset (USA)
88. **Multivariate data analysis of rapid LC-TOF|MS experiments from *Arabidopsis thaliana* stressed by wounding** J. Boccard, E. Grata, G. Glauser, P.A. Carrupt, J.-L. Wolfender, S. Rudaz Fall meeting 2006 – Swiss chemical society – EPFZ, October 12-13, 2006, Zurich (Switzerland)
87. **Evaluation of the influence of protein precipitation prior to on-line SPE-LC-API|MS procedures using multivariate data analysis** I. Marchi, S. Rudaz, J.-L. Veuthey, Fall meeting 2006 – Swiss chemical society – EPFZ, October 12-13, 2006, Zurich (Switzerland)
86. **Search of defence-induced compounds in Arabidopsis thaliana by UPLC-TOF-MS and CAP-NMR of a lesion mimic mutant acd2-2** G. Glauser E. Grata, S. Rudaz, E. Farmer, J.L. Wolfender, Fall meeting 2006 – Swiss chemical society – EPFZ, October 12-13, 2006, Zurich (Switzerland)
85. **New trends in fast LC** D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. Veuthey Fall meeting 2006 – Swiss chemical society – EPFZ, October 12-13, 2006, Zurich (Switzerland)
84. **CE-LIF at 266 nm: validation and applications to pharmaceutical compounds analysis in biological fluids** J. Schappler, D. Guillarme, S. Rudaz, J.-L.Veuthey ITP 2006 August 28-30, 2006. Paris (France)
83. **Metabolomic study of the effects of wounding of A. Thaliana based on rapid tof-MS screening and high resolution UPLC-TOF-MS profiling** E. Grata, J. Boccard, G. Glauser, A. Thiocone, S. Rudaz, P.A. Carrupt, K. Hostettmann, J.-L. Wolfender - ICOB-5 & ISCNP-25 IUPAC, July 23-28, 2006, Kyoto (Japan)
82. **Screening of stress induced metabolites in Arabidopsis thaliana by UPLC-TOF-MS: from high throughput to high LC resolution profiling via efficient LC gradient transfers** E. Grata, D. Guillarme, J. Boccard, G. Glauser, P.A. Carrupt, J.-L. Wolfender, S. Rudaz 4th international congress on natural products, May 28-31, 2006, Leysin (Switzerland)
81. **High resolution UPLC-TOF-MS profiling of oxylipins in A. thaliana. Comparison of the wounding effects on wild type specimens to a lesion mimic mutant acd2-2** G. Glauser E. Grata, A. Thiocone, S. Rudaz, E. Farmer, J.L. Wolfender 4th international congress on natural products, May 28-31, 2006, Leysin (Switzerland)
80. **LC|NMR and capillary LC|NMR for the survey of the metabolome of Arabidospis thaliana** A. Thiocone, E. Grata, J. Boccard, S. Rudaz, K. Hostettmann, J.-L. Wolfender March 28-29, 2006, Tubingen (Germany)
79. **Comparaison de la qualite de 12 sets de perfusion** Y. Pinget, H. Ing, S. Rudaz, P. Bonnabry 13ème journées franco-suisses de pharmacie hospitalière, March 16-17, 2006, Chalon sur Saone (France)
78. **Justesse et précision des prélevements de faibles volumes à l'aide de seringues** I. De Giorgi, C. Fonzo-Christe, S. Rudaz, P. Bonnabry 13ème journées de pharmacie hospitalière, March 16-17, 2006, Chalon sur Saone (France)
77. **Compatibility of silica-based stationary phases with high temperature liquid chromatography,** D. Guillarme, C. Schelling, S. Rudaz, J.L. Veuthey Pittcon 2006 March 12-17 Orlando (USA)
76. **Hyphenation of CE with APPI|MS for pharmaceutical applications** D. Guillarme, J Schappler, J. Prat, S. Rudaz, JL Veuthey MSB 2006 January 16-19, 2006, Amsterdam (The Nederlands)
75. **Immobilized trypsin monolithic bioreactors: on-line digestion and identification of recombinant proteins by LC-ESI – MS|MS** R. Nicoli, C. Stella, C. Temporini, E. Calleri, G. Massolini, S. Rudaz, J.-L. Veuthey Fall meeting 2005 – Swiss chemical society – EPFL. September 29, 2005, Lausanne (Switzerland)
74. **Enantioseparation of baclofen by capillary electrophoresis with LIF detection** G. Kavran-Belin, S. Rudaz, JL Veuthey Fall meeting 2005 – Swiss chemical society – EPFL. September 29, 2005, Lausanne (Switzerland)
73. **Multivariate analysis of metabolomic data from Arabidopsis thaliana stressed by wounding using a rapid LC|TOF-MS analysis and a slow gradient LC|quadrupole-MS method.** J. Boccard, E. Grata, A. Thiocone, J.-L. Wolfender, S. Rudaz, P.A. Carrupt Fall meeting 2005 EPFL. September 29, 2005, Lausanne (Switzerland)
72. **Traitement et analyse d'échantillons plasmatiques en chromatographie liquide - spectrométrie de masse : étude des effets de suppression de signal** I. Marchi, M. Selman S. Rudaz, J.-L. Veuthey SCBA 2005 – 1er symposium de chimie analytique, September 26-29, Montpellier (France)
71. **Analyse rapide en HPLC: réduction du temps d'analyse par l'utilisation de colonnes courtes de faibles granulométries** D. T.-T. Nguyen, AL Feutelais, D. Guillarme, S. Rudaz, J.-L. Veuthey SCBA 2005 September 26-29, Montpellier (France)
70. **Analyse rapide en UPLC: comportement et comparaison des colonnes sub-2μm** D. T.-T. Nguyen, D. Guillarme, S. Rudaz, J.-L. VeutheySCBA 2005, September 26-29, Montpellier (France)
69. **A comparison of immobilized trypsin monolithic bioreactors for on-line digestion and identification of recombinant proteins by LC-MS** R. Nicoli, C. Stella, C. Temporini, E. Calleri, G. Massolini, S. Rudaz, J.-L. Veuthey (RDPA 2005), September 25-28, Rimini (Italy)
68. **Use of silica-based stationary phases in high temperature liquid chromatography** D. Guillarme, C. Schelling, S. Rudaz, B. Hoffmann, JL Veuthey SSBA 2005, September 26-29, Montpellier (France)

67. **Quantification of cyclosporine A in peripheral blood mononuclear cells by liquid chromatography-electrospray mass spectrometry with a column-switching approach.** N. Ansermot, M. Fathi, S. Rudaz, JL Veuthey, D. Hochstrasser SSCC 2005 September 21-23, Yverdon (Switzerland)
66. **Metabolomic study of the effects caused by wounding on Arabidopsis thaliana with a rapid LC|TOF-MS analysis method** E. Grata, J. Boccard, A. Thiocone, C. Dodon, S. Rudaz, PA Carrupt, JL Wolfender Society for medicinal Plant Research, 53rd Annual CongressAugust 21-25, Firenze (Italy)
65. **Electrokinetic injections in partial-filling countercurrent for chiral CE-ESI-MS** S. Rudaz, D. Guillarme, L. Geiser, J. Prat, JL. Veuthey HPLC 2005 June 27-30, Stockholm (Sweden)
64. **Comparaison de cartes d'ions en LC-MS chez A. thaliana après induction de stress** J. Boccard, E. Grata, M. Muller, PA Carrupt, JL Wolfender, S. Rudaz Chimiométrie 2004, December 4-5, CNAM, Paris (France)
63. **Enantioseparation of donepezil by high performance liquid chromatography** D. T.-T. Nguyen, I. Apparicio-Gomez, S. Rudaz, JL. Veuthey Fall meeting 2004 EPFZ October 9, 2004, Zurich (Switzerland)
62. **Chromatographic performance evaluation of different stationary phases at high-flow rates with a set of neutral and basic compounds.** D. T.-T. Nguyen, C. Stella, S. Rudaz, JL. Veuthey Fall meeting 2004 EPFZ. October 9, 2004, Zurich (Switzerland)
61. **Enantioseparation of baclofen with highly sulphated β-CD by CE with Laser- Induced Fluorescence detection** G. Kavran-Belin, S. Rudaz, JL Veuthey 14th Int. Symposium on Capillary Electroseparation Techniques (ITP 2004) September 12-15, 2004. Roma (Italy)
60. **Development and characterization of immobilized trypsin monolithic bioreactors for on-line digestion and identification of recombinant proteins by LC-MS** R. Nicoli, C. Stella, S. Rudaz, JL Veuthey, J Burgess, J.-C. Sanchez, C. Temporini, E. Calleri, G. Massolini, First Summer school on Monoliths for Biochromatography, Bioconversion and Solid Phase Synthesis June 6-9, 2004, Potorož, (Slovenia)
59. **Characterization of reversed-phase stationary phase for the analysis of basic compounds: comparison of chromatographic tests** C. Stella, S. Rudaz, JL. Veuthey. E. Lesellier, A, Tchapla HPLC 2004, June 13-19, 2004 Philadelphia, PEN (USA)
58. **Application of a Placket-Burman design for the study of experimental factors influencing the enzymatic activity of a trypsin based bioreactor** C. Stella, S. Rudaz, R. Nicoli, J.-L.Veuthey, C. Temporini, E. Calleri, G. Massolini 15th Int. Symp. on Pharmaceutical and Biomedical Analysis (PBA), May 2-6, 2004. Florence (Italy)
57. **New reversed-phase ion pairing LC-Fluo Method for penciclovir analysis in plasma and aqueous humour,** F. Schenkel, Y. Daali, S. Rudaz, M. Kondo-Ostreicher, J-L. Veuthey, P. Dayer 15th Int. Symp. on Pharmaceutical and Biomedical Analysis (PBA), May 2-6, 2004. Florence (Italy).
56. **Matrix effect in LC-ESI-MS and LC-APCI-MS with conventional off line extraction and on-line procedures** S. Souverain, S. Rudaz, J.-L. Veuthey 15th Int. Symp. on Pharmaceutical and Biomedical Analysis (PBA), May 2-6, 2004. Florence (Italy)
55. **Infinite enantiomeric resolution of tramadol and its primary metabolites in capillary electrophoresis** S. Rudaz, L Geiser, J. Schappler, J. Prat, JL. Veuthey 17th Int. Symposium on High Performance Capillary Electrophoresis & Related Microscale Techniques, February 8-12, 2004. Salzburg, (Austria)
54. **Early onset of response to venlafaxine: association with higher plasma level and increased exposure to the noradrenergic enantiomer** M. Gex-Fabry, A.E. Balant-Gorgia, L.P. Balant, S. Rudaz, J.L. Veuthey, G. Bertschy, 12th Ass. of European Psychiatrists Congress, 14 – 18 April 2004 Geneva (Switzerland)
53. **Analyse d'échantillons de cannabis par microextraction en phase solide combinée à la chromatographie en phase gazeuse : apport de l'ACP** Yara Ilias, Serge Rudaz, Philippe Christen, Jean-Luc Veuthey Chimiométrie 2003, December 4-5, CNAM, Paris (France)
52. **Use of monolithic supports for the direct injection of drugs and metabolites in plasma** S. Souverain, S. Rudaz, JL. Veuthey Fall meeting 2003 EPFL. October 9, 2003, Lausanne (Switzerland)
51. **A study on the interlaboratory influence on column evaluation.** C. Stella, S. Rudaz, JL Veuthey Fall meeting 2003 EPFL October 9, 2003, Lausanne (Switzerland)
50. **Infinite enantiomeric resolution of selected basic compounds in capillary electrophoresis.** S. Rudaz, E. Calleri, L Geiser, J. Prat Fall meeting 2003 EPFL October 9, 2003, Lausanne (Switzerland)
49. **Capillary electrophoresis – mass spectrometry for the analysis of a pharmaceutical formulation.** L. Geiser, J. Schapller, S. Rudaz, JL. Veuthey Fall meeting 2003 EPFL. October 9, 2003, Lausanne (Switzerland).
48. **A chromatographic test for base deactivated columns: results of an interlaboratory study.** C. Stella, S. Rudaz et al.(RDPA 2003), June 28, 2003, Cogne (Italy)
47. **Enantioselective analysis of methadone in human plasma by LC-MS.** S. Souverain, S. Rudaz, JL. Veuthey (RDPA 2003), June 28, 2003, Cogne (Italy)
46. **Infinite enantiomeric resolution of basic compounds using highly sulphated cyclodextrin as chiral selector,** S. Rudaz, E. Calleri, L Geiser, S. Cherkaoui, J-.L. Veuthey HPLC 2003 - 27th Congress, June 15-19, 2001, Nice (France)

45. **Use of monolithic supports for the direct injection of drugs and metabolites in plasma.** S. Souverain, S. Rudaz, JL. Veuthey HPLC 2003 - 27th International Symposium on High Performance Liquid Phase Separations and Related Techniques, June 15-19, 2001, Nice (France)
44. **Protein precipitation before capillary-LC-ESI-MS for the analysis of a drug cocktail in plasma.** S. Souverain, S. Rudaz, JL. Veuthey HPLC 2003 June 15-19, 2001, Nice (France).
43. **Electrophorèse capillaire couplée à la spectrométrie de masse pour le dosage de composés pharmaceutiques** L. Geiser, J. Schapller, S. Rudaz, JL. Veuthey Congrès SEP 2003. Chromatographies et techniques apparentées. May 13-15, 2003. Lyon (France)
42. **Analyse stéréosélective de la méthadone par injection directe de plasma en LC-ESI-MS.** S. Souverain, S. Rudaz, JL. Veuthey Congrès SEP 2003 May 13-15, 2003. Lyon (France)
41. **Characterization of reversed-phase stationary phase for the analysis of basic compounds.** C. Stella, S. Rudaz, P.Seuret, JY. Gauvrit, P. Lantéri, JL. Veuthey Fall meeting 2002, October 17, Basel (Switzerland)
40. **Headspace solid-phase microextraction combined with gas chromatography-MS: a new method for tracing cannabis profile** Y. Ilias, P. Rubiolo, C. Bichi, S. Rudaz, P. Christen, JL Veuthey, 50th Congress of the Society for Medicinal Plant Research, September 8 - 12, 2002, Barcelona (Spain)
39. **Analyse stéréosélective de la méthadone par injection directe de plasma en LC-MS.** S. Souverain, S. Rudaz, JL Veuthey Xème Congrès Société Française de Toxicologie Analytique 2002, June 19-21, Martigny, (Switzerland)
38. **Validation in CE: comparison of quantitative performances using different injection techniques to reduce the analysis time.** L. Geiser, S. Rudaz, JL. Veuthey Drug analysis 2002, April 22-25, Bruges (Belgium)
37. **Characterization of reversed-phase stationary phase for the analysis of basic compounds.** C. Stella, S. Rudaz, P. Seuret, P. Lantéri, JL. Veuthey Drug analysis 2002, April 22-25, Bruges (Belgium).
36. **RP- HPLC analysis of basic compounds at high pH** C. Stella, M. Mottaz, S. Rudaz, JL. Veuthey Drug analysis 2002, April 22-25, Bruges (Belgium)
35. **New trends for fast analysios of pharmaceuticals by capillary electrophoresis.** L. Geiser, S. Rudaz, S- Cherkaoui, JL. Veuthey HPCE 2002, April 13-18, Stockholm (Sweden)
34. **Evaluation chimiométrique de séparations stéréosélectives par CE-ESI-MS au moyen de la technique de remplissage partiel** S. Rudaz, S. Cherkaoui, JY. Gauvrit, P. Lantéri, JL. Veuthey Chimiométrie 2001, December 4-5, CNAM, Paris (France)
33. **Caractérisation de supports chromatographiques par un mélange test: sélection et validation de composés basiques à l'aide des outils chimiométriques** C. Stella, P. Seuret, S. Rudaz, JY. Gauvrit, P. Lantéri, JL. Veuthey, Chimiométrie 2001, December 4-5, CNAM, Paris (France)
32. **Use of restricted access materials for fast analysis of methadone in serum with LC-MS** D. Ortelli S. Souverain, S. Rudaz, JL Veuthey Société suisse de chimie. October 12, 2001, Zurich (Switzerland).
31. **Analyse de substances basiques par RP-HPLC à pH élevé** M. Mottaz, C. Stella, S. Rudaz, JL. Veuthey Société suisse de chimie. October 12, 2001, Zurich (Switzerland)
30. **Use of experimental design to investigate CE-ESI-MS enantioseparation with the partial filling technique** S. Rudaz, S. Cherkaoui, P. Lantéri, JL. Veuthey Société suisse de chimie. October 12, 2001. Zurich (Switzerland).
29. **Différentes approches de validation rapide de composés pharmaceutiques par CE.** L. Geiser, S. Rudaz, JL. Veuthey Société suisse de chimie. October 12, 2001. Zurich (Switzerland)
28. **Stereoselective metabolism of venlafaxine : Investigations of intra- and inter-individual variability in patient** A.-E. Ballant-Gorgia, M. Gex-Fabry, S. Rudaz, JL. Veuthey, LP Balant, G. Bertschy Association for Clinical Pharmacology and Therapeutics, September 12-15, 2001, Odense (Denmark)
27. **Characterization of chromatographic supports for the analysis of basic compounds** C. Stella, S. Rudaz, JY. Gauvrit, P. Lantéri, JL. Veuthey HPLC 2001 June 17-22, 2001. Maastricht (The Netherlands).
26. **Use of experimental design to investigate CE-ESI-MS enantioseparation with the partial filling technique** S. Rudaz, S. Cherkaoui, JY. Gauvrit, P. Lantéri, JL. Veuthey HPLC 2001 June 17-22, 2001. Maastricht (The Netherlands)
25. **Séparation et analyse de peptides ß-amyloides par micro-LC|ESI-MS** X. Cahours, E. Varesio, S. Rudaz, KH. Krause, JL Veuthey Congrès SEP 2001. June 12-14, 2001. Paris (France)
24. **Utilisation d'une colonne de type monolithique pour des analyses rapides en chromatographie liquide.** D. Ortelli S. Souverain, S. Rudaz, JL Veuthey Congrès SEP 2001. June 12-14, 2001. Paris (France)
23. **Différentes approches de validation rapide de composés pharmaceutiques par électrophorèse capillaire.** L. Geiser, S. Rudaz, JL. Veuthey Congrès SEP 2001. June 12-14, 2001. Paris (France)
22. **Caractérisation de supports chromatographiques par un mélange test: sélection et validationde composés basiques à l'aide des outils chimiométriques(QSAR et ACP).** P. Seuret, C. Stella, S. Rudaz, P. Lantéri, JMJ Tronchet, JL. Veuthey GGMM 2001, Simulations et prédictions, May 9-11. Nimes (France)
21. **Enantiomeric separation of antidepressant drugs and metabolites in serum samples by CEC on vancomycin chiral stationary phase** C. Desiderio, S. Rudaz, J-L. Veuthey, M.A. Raggi, S. Fanali 14th Int. Symposium on Microscale Separations and Analysis January 13-18, 2001. Boston (USA)

20. **Turbulent flow capillary LC|MS for fast analysis of methadone and its metabolite in serum.** S. Souverain, D. Ortelli, S. Rudaz, JL Veuthey, E, Varesio, JP Chervet 17th (Montreux) Symposium on Liquid chromatography, November 8-10, 2000. Montreux (Switzerland)
19. **Saliva As Screening matrix for stereoselective metabolism; methadone a case study.** S. Rudaz, D. Ortelli, JL. Veuthey 10th Chiral Discrimination, September 24-28, 2000. Chamonix (France)
18. **Enantiomeric separation of pharmaceuticals using on-line capillary electrophoresis-electrospray ionization mass spectrometry** S. Rudaz, S. Cherkaoui, JL. Veuthey Ass. d'automne de la nouvelle société suisse de chimie. October 12, 2000. Lausanne (Switzerland)
17. **Short-end injection capillary electrophoresis: validation method for the determination of fentanyl citrate** L. Geiser, S. Rudaz, JL. Veuthey Société suisse de chimie. October 12, 2000. Lausanne (Switzerland)
16. **High-troughput analysis in pharmacy using a monolithic HPLC column.** D. Ortelli, S. Souverain, S. Rudaz, E. Varesio, JL. Veuthey Société suisse de chimie. October 12, 2000. Lausanne (Switzerland)
15. **Selection of basic test compounds for the caracterization of RP-HPLC stationnary phases.** C. Stella, P. Seuret, S. Rudaz, JL Veuthey Société suisse de chimie. October 12, 2000. Lausanne (Switzerland).
14. **Turbulent flow capillary LC|MS for fast analysis of methadone in serum** S. Souverain, D. Ortelli, E, Varesio, S. Rudaz, JL Veuthey Société suisse de chimie. October 12, 2000. Lausanne (Switzerland)
13. **Short-end injection capillary electrophoresis: validation method for the determination of fentanyl citrate** L. Geiser, S. Rudaz, JL. Veuthey 11th Int. Symp. on Biomedical analysis, May 14-18, 2000. Basel (Switzerland)
12. **Analysis of dihydroartemisinin in serum by LC-MS** D. Ortelli, S. Rudaz, E. Cognard, JL. Veuthey 11th Int. Symp. on Pharmaceutical and biomedical analysis, May 14-18, 2000. Basel (Switzerland)
11. **Enantiomeric Separation of Pharmaceuticals using On-Line CE-ESI-MS** S. Rudaz, S. Cherkaoui, JL. Veuthey13th Int. Symposium on HPCE, February 20-24, 2000. Saarbrücken (Germany)
10. **On-Line capillary electrophoresis-electrospray spectrometry for the analysis of pharmaceuticals** S. Cherkaoui, S. Rudaz, E. Varesio, JL. Veuthey Suisse de chimie. ILMAC 99, October 12, 1999. Basel (Switzerland)
9. **Analysis of methadone and its main metabolites in biologicals fluids by LC|MS,** D. Ortelli, S. Rudaz, JL. Veuthey 23rd International symposium on High performance liquid phase separations and related techniques, HPLC'99. May 30 - June 4, 1999. Granada (Spain)
8. **Validation d'une méthode HPLC pour l'analyse de la venlafaxine et de son métabolite actif O-desméthylé dans les fluides biologiquesn**C. Stella, S. Rudaz, A.M. Ballant-Gorgia, J.-L. Veuthey Congrès SEP 99. March 30-31,1999. Lyon (France)
7. **Enantioselective determination of methadone in serum : results of a clinical study.** D. Ortelli, S. Rudaz, JL. Veuthey 10th Int. Symposium on Chiral Discrimination August 30 - September 2, 1998. Vienna (Austria)
6. **Chiral determination of methadone in serum by HPLC. Application to clinical cases.** D. Ortelli, S. Rudaz, E. Varesio, JL. Veuthey Drug analysis '98. Mai 1998, Brussels (Belgium)
5. **Application of stereoselective determination of methadone in biological matrices by HPLC following Solid Phase Extraction** S. Rudaz, C. Staub, JL. Veuthey 34th Meeting of the Int. Ass. of Forensic Toxicologists. August 11-15, 1996. Interlaken (Switzerland)
4. **Chiral analysis of methadone in blood following an automated SPE** S. Rudaz, JL. Veuthey 8th International Symposium on Chiral analysis. June 30 - July 3, 1996. Edinburgh (Scotland)
3. **Stereoselective determination of methadone by HPLC following Solid Phase Extraction on Disk.** S. Rudaz, JL. Veuthey 5th International Symposium on Drug analysis. September 12 - 15, 1995. Leuwen (Belgium)
2. **Séparation chirale de la méthadone contenue dans le sérum** S. Rudaz, JL. Veuthey Congrès SEP 95. Chromatographies et techniques apparentées. February 7 – 9, 1995. Lyon (France)
1. **Séparation chirale de la méthadone** S. Rudaz, JL. Veuthey
Fall meeting 1994 – Swiss chemical society. October 21, 1994. Bern (Switzerland)

TEACHING at University of Geneva (Switzerland)

(hours per academic year)

PhD level and Doctoral School – School of Pharmaceuticals sciences

Since 2011	Introduction to Multivariate Data Analysis (12h.)
Since 2003	Methods validation in pharmaceutical analysis (18 h.)
Since 2003	Chemometrics, Experimental designs in pharmaceutical sciences (18h.)

Since 2003 Introduction to Capillary Electrophoresis (18 h.)
2005 – 2008 Chemometrics, Introduction to data treatment – ACP, STATIS, PLS Regression (18h.)

Lectures in Master of Advanced Study (MAS) in Toxicology

2021 LC-MS for Toxicology *in Module 8 (Toxicological Analysis)* - (6 h.)
2019 Statistical tests, Advances *in Regression and PCA in Module 14 (Biostatistics)* - (12 h.)
2018 Doping and steroidomics *in Module 7 (Molecular endocrinology)* – (2h.)
2017 Statistical tests, Advances *in Regression and PCA in Module 14 (Biostatistics)* - (12 h.)
2017 LC-MS for Toxicology *in Module 8 (Toxicological Analysis)* - (3 h.)
2015 Statistical tests, Advances in Regression and PCA *in Module 14 (Biostatistics)* - (12 h.)
2015 LC-MS for Toxicology *in Module 8 (Toxicological Analysis)* - (6 h.)
2013 Statistical tests, Advances in Regression and PCA *in Module 14 (Biostatistics)* - (12 h.)
2013 LC-MS for Toxicology *in Module 8 (Toxicological Analysis)* - (6 h.)
2012 Statistical tests, Regression and PCA *in Module 14 (Biostatistics)* - (12 h.)
2011 Basics in Method Validation *in Module 8 (Toxicological Analysis)* - (4 h.)

Master Thesis supervision of Advanced Study (MAS) in Toxicology

2023 Determination of nicotinic acid and nicotinamide in human serum using liquid chromatography-tandem mass spectrometry, L. Müller
2018 Simultaneous Determination of Progestins and Steroid Profiles in Plasma by HPLC-MS, R. Nellen
2014 Analysis of neurotransmitters by UHPLC-QTOF, Dr. L. Geiser
2014 Metabolomic investigation of oxidative stress compounds as biomarkers of renal failure, N. Bararpour

Master of Advanced Study (MAS) in Pharmacie Hospitalière

2023 De la validation à la gestion de l'incertitude (1h.) | HUG, Genève (Switzerland).
2023 Contrôle des contrefaçons, CE une approche responsable (1h.) | HUG, Genève (Switzerland).
2020 De la validation à l'incertitude de mesure (1h.) | HUG, Genève (Switzerland).
2017 Contrôle des contrefaçons, CE une approche responsable (1h.) | HUG, Genève (Switzerland).
2017 Incertitude de mesure, le point de vue du praticien (1h.) | HUG, Genève (Switzerland).
2014 Aspects choisis en validation des méthodes analytiques (1h.) | HUG, Genève (Switzerland).
2011 CE: une approche économique et écologique pour lutter contre la contrefaçon (2h.) HUG, Genève (Switzerland).
2011 Validation des méthodes analytiques (2h.) | HUG, Genève (Switzerland).
2009 Validation des méthodes analytiques, Généralités et Protocoles de Validation (2 h.) HUG, Genève (Switzerland
2007 Validation des méthodes analytiques, Généralités et Protocoles de Validation (2 h.) HUG, Genève (Switzerland).
2005 Validation des méthodes analytiques, Généralités et Protocoles de Validation (2 h.) HUG, Genève (Switzerland).
2002 Préparation d'échantillons avant une analyse chromatographique (2 h.)
2002 Validation des méthodes analytiques, Protocoles de Validation (2 h.)
1999 Electrophorèse capillaire : concept et applications, Dosage des molécules chirales (2 h.), Diplôme d'études supérieures (DESS) en pharmacie hospitalière : méthodes analytiques à l'hôpital, HUCG, Genève (Switzerland).

Master level – School of Pharmaceuticals sciences

Since 2020 Mindfulness : prendre soin de soi pendant les études (Cours à Options - 22h)
Since 2020 Elements of Proteomics and Metabolomics (Cours à Options - 22h)
Since 2015 Endogenous signatures (3h) in Drug Discovery Module
Since 2011 New methodologies for metabolism studies (3h) in Drug Discovery Module
Since 2010 Guidelines in pharmaceutical validation (3h.) in Drug Developement Module
2006 - 213 Advanced sample preparation (6h.)
2006 - 2008 Basics in Experimental Design in Master Sciences Pharmaceutiques - (12 h.)

Master Thesis, Direct supervision and responsibilities

68. **e-SMILE: the impact of MBCT-L on inflammatory biomarkers and its association with clinical aspects,** Zeined Zgal* (2024) * Best Master Thesis Award 2nd position

67. **Implémentation de méthodes de quantification du cortisol par UHPLC-MS/MS et de vitamines par HPLC-UV et Fluo dans les fluides biologiques, Alexandra Marclay** (Scientific supervision Dr L. Dubugnon Dr E. Strahm) June 2023
66. **Développement d'une méthode analytique par UHPLC-UV pour la quantification du sildénafil dans des contrefaçons de Viagra,** Stefan Stanojevic, June 2023
65. **Optimization of an LC-MS/MS method to quantify 5 angiotensin peptides in plasma. Léon Martin** (Scientific supervision Dr P. Eugster) June 2023
64. **Développement d'une méthode de quantification des inhibiteurs de la succinate déshydrogénase (SDHIs) dans les denrées alimentaires par HPLC-MS/MS,** Marie Vilier (Scientific supervision Dr G. Glauser) December 2022
63. **Development of a multi-targeted LC-MS method with semi-automated sample preparation for steroids** Rami Khalil, (Scientific supervision Dr V. Gonzalez-Ruiz) December 2022
62. **Development of analytical quality control method of imported antiretroviral drugs in RP-UHPLC, Chevallier Ophélie** (co-Scientific supervision J.-L. Veuthey) December 2022
61. **Falsified drugs dosage by capillary electrophoresis,** Kchouk Chams, (Scientific supervision E. Tobolkina) December 2022
60. **A data-driven workflow to enrich biomarkers annotation in untargeted metabolomics. Christian Peralta,** (Scientific Supervision: Dr. J. Boccard) October 2022
59. **Comparaison des méthodes d'étalonnage interne et d'étalonnage standard externe pour la quantification des néonicotinoïdes dans le miel par UHPLC-MS|MS,** Joanie Monnier (Scientific Supervision: Dr. G. Glauser) September 2021
58. **Tryptophan pathway and inflammation in Alzheimer's disease: a human population study,** Didier Robert-Nicoud (Scientific Supervision: Dr. J. Ivanisevic, Dr. H. Gallart Ayala), November 2020
57. **Development and validation of a UHPLC-MS|MS method to quantify 6 metabolites of chlorothalonil in water and soil samples,** Youssef Hannalla (Scientific Supervision: Dr. G. Glauser) November 2020
56. **Untargeted mass spectrometry-based lipidomics of mice brain tissue: From single-step extraction to lipid identification,** Joanna Achkhanian (Scientific Supervision: Dr. J. Ivanisevic, Dr. H. Gallart Ayala), July 2020
55. **Contrefaçons des médicaments du VIH,** Lamyae El Morabit (Scientific supervision E. Tobolkina), January 2020
54. **Analyse du Phosphatidyléthanol (PEth) dans le sang humain par UHPLC - MS|MS,** Ivana Ivkovic, (Scientific supervision Dr L. Dubugnon Dr E. Strahm) December 2019
53. **Evaluation of hydrophilic interaction chromatography for the assay of a new gadolinium-based contrast agent (GBCA),** Nathanël Berciu (Dr. Samir Cherkaoui | Dr. Elena Andreolli) June 2019
52. **Dosage de la Levothiroxine et de l'Insuline par électrophèse capillaire,** A. Josserand (Scientific supervision E.A. Diop) September 2018
51. **Dosage de la Punicalagine par électrophèse capillaire dans des extraits végétaux utilisés en médecine traditionnelle contre la tuberculose,** J. Jacquat (Scientific supervision E.A. Diop) June 2017
50. **Analyse de l'EthyGlucuroinude dans les cheveux par UHPLC-MS|MS,** B. Pedreira (Scientific supervision Dr L. Dubugnon) June 2017
49. **Prédiction du temps de rétention des stéroides glucuroconjugués,** E. Golder (Scientific supervision Dr L. Dubugnon) June 2016
48. **Analysis de drogues basiques dans les cheveux par UHPLC-MS|MS,** C. Parvex (Scientific supervision Dr L. Dubugnon) June 2016
47. **Evaluation of a new miniaturized Analysis device for the quality control of medicines and counterfeits,** R. Morkos (Scientific supervision Dr V. Gonzalez-Ruiz) June 2016
46. **Développement et validation d'une méthode LC-MS|MS pour la quantification du Clenbutérol dans le sérum humain,** E. Trabelsi (Scientific supervision Dr R. Nicoli) June 2015
45. **Développement de méthodes de préconcentration en ligne pour l'analyse de liquide céphalorachidien par électrophorèse capillaire,** J. Voirol (Scientific supervision Dr. J. Schappler) June 2015
44. **Analyse de stupéfiants dans les fluides biologiques par LC-MS|MS,** E. Rudi (Scientific supervision Dr L. Dubugnon, Dr L. Geiser) June 2015
43. **Evaluation de dispositifs d'analyse pour le contrôle de qualité de médicaments et de contrefaçons,** L. d'Espine (Scientific supervision Dr J. Schappler) June 2015
42. **Analyse de préparations pharmaceutiques datant d'un siècle ayant appartenu au Dr Adolphe Combe (1859-1917), Médecin à Lausanne,** M. Carreira (Scientific supervision M. Augsburger) June 2015
41. **Etude in-vitro du métabolisme de phase I (CAP450) du tramadol,** J. Pezzatti (Scientific supervision D. Spaggiari) June 2014
40. **L'électrophorèse capillaire pour le contrôle de qualité de médicament et de contrefaçons,** M.-C- Lai. (Scientific supervision Dr J. Schappler) June 2014
39. **Développement d'une méthode de screening LC-MS pour l'analyse de petides interdits dans la pratique du sport,** L Perriard. (Scientific supervision Dr R. Nicoli) June 2014

38. ***In vitro* study of the metabolism of ticagrelor and simulation of *in vivo* drug-drug interactions between ticagrelor and ritonavir**, R. Patel (Scientific supervision Dr Y. Daali) June 2013
37. **Analyse de protéines thérapeutiques par électrophorèse capillaire et évaluation de leur qualité et dégradation**, S. Motamedi (Scientific supervision Dr A.-L. Gassner) June 2013
36. **Importance de la détermination analytique de l'exposition dans les expériences destinées à évaluer l'impact des médicaments sur l'environnement,** F. Baillot (Scientific supervision Dr N. Chèvre) June 2013
35. **Développement d'une méthode de détection de composés constitutifs du concentré OM-85 par Electrophorèse Capillaire avec détection UV|DAD** H. Decrocq (Scientific supervision Dr D. Limal and A. Duclos | OM Pharma) June 2013
34. **Confirmation et quantification des éphédrines par LC-MS,** L. Beytrison (Scientific supervision Dr R. Nicoli) June 2013
33. **Développement et optimisation de méthodes analytiques en chromatographie liquide assistés par logiciels dédiés.** (Scientific supervision N.-H. Ho), HUG, August 2012
32. **Analyse d'anticorps par UHPLC-UV,** S. Mills (Scientific supervision Dr S. Bernard|Debiopharm), Lausanne, June 2012
31. **Analyse de composés toxicologiques|forensiques par électrophorèse capillaire et évaluation de nouvelles techniques de microextraction solides en bioanalyse,** G. Rapin, June 2012
30. **Confirmation et quantification de la morphine et de ses métabolites par LC-MS,** Y. Dubois (Scientific supervision Dr F. Badoud), June 2012
29. **La chromatographie en phase supercritique pour l'analyse « verte » de composés d'intérêt pharmaceutique et toxicologique,** L. Waller (Scientific supervision Dr D. Guillarme), June 2012
28. **Analyse de composés d'intérêt pharmaceutique, toxicologique et forensique par électrophorèse capillaire couplée à un analyseur de masse à temps de vol dans les matrices biologiques,** T. Sierro, June 2011
27. **Détection de produits dopants par LC-MS**, S. Mena (Scientific supervision Dr E. Grata), June 2011
26. **Variabilité temporelle des rejets d'antibiotiques dans l'environement : Evaluation du risque dans la région Lausanoise,** Yves Bonnefin, August 2010 EPFL
25. **In vitro evaluation of the drug-drug intercation via CYP450 between prasugrel and ritonavir,** M. Bosilkovska (Scientific supervision Dr Y. Daali), June 2010
24. **Evaluation des possibilités offertes par le couplage entre la chromatographie rapide et un détecteur de fluorescence,** S. Gutknecht (Scientific supervision Dr D. Guillarme), June 2010
23. **Développement d'une méthode de dosage d'antipsychotique par UPLC-MS|MS après SPE,** C. Pache (Scientific supervision Dr C. B. Eap), June 2009
22. **Développement et validation d'une méthode de dosage de psychotropes par SPE et LC-MS**, S. Haldemann (Scientific supervision Dr C. B. Eap), June 2008
21. **Analyse des métabolites conjugués de la Testostérone par LC-MS|MS : Développement et optimisation,** A. Perrenoud (Scientific supervision Dr C. Saudan), June 2007
20. **Analyse de produits dopants dans des échantillons plasmatiques,** F. Tamò, June 2007
19. **Analyse chirale du ketorolac par CE et application pharmacocinétique chez le volontaire sain,** A. Bourdin (Scientific supervision Dr S. Souverain, Dr Y. Daali), June 2007
18. **Analyse de psychostimulants dans les fluides biologiques par CE-LIF,** L. Gremaud (collaboration University of Applied Sciences - HES Fribourg), December 2006
17. **Analyse d'opiacés dans le sang et l'urine par GC|MS,** A. Michels, July 2006
16. **Développement et Validation d'une méthode d'analyse en CE pour le dosage de PA contenu dans diverses formulations pharmaceutiques**, C. Weber, July 2006
15. **Analyses de composés pharmaceutiques par CE-LIF,** A. Staub, July 2006
14. **Performances chromatographiques à grande vitesse,** A.L. Feutelais, July 2005
13. **Evaluation de la qualité des sets de perfusion,** Y. Pinget, July 2005
12. **Mise au point du dosage de l'antidépresseur la mirtazapine (Remeron) et de son métabolite le desméthylmirtazapine dans le sérum par HPLC avec détection par fluorescence,** D. Rifat, July 2005
11. **Développement d'une méthode d'analyse chirale du tramadol par HPLC pour l'étude du transport par la P-glycoprotéine,** A. El Hasnaoui, July 2005
10. **Criblage par les plans d'expérience (étude statistique selon Plakett-Burman) des paramètres analytiques d'une méthode de microextraction en phase solide**, A.Dupont, July 2004
9. **Evaluation de logiciels de modélisation pour la chromatographie liquide et comparaison des performances de phases stationnaires pour l'analyse de médicaments**, H.Errahali, July 2004
8. **Evaluation de l'ergonomie et de la fiabilité des perfuseurs mécaniques,** S.Maier, July 2004
7. **Etude des composés de défense induits dans des conditions de stress chez Arabidopsis thaliana suivant une approche basée sur la LC-MS et la GC-MS,** S. Champion, July 2004
6. **Détermination de pKa par électrophorèse capillaire,** Y. Inchoz-Bourgeois, July 2004
5. **Analyse de stupéfiants d'origine végétale par SPME,** P. Mathieu, July 2003
4. **Analyse de cannabis dans les cheveux,** K. Ing, July 2003
3. **Etude de la libération d'ibuprofen à partir de solution et de gel,** T.H.D. Bui, July 2003
2. **Validation d'une méthode de screening d'anabolisants dans l'urine,** R. Nicoli, July 2003

1. **Mise au point et développement d'une méthode d'analyse de matières premières végétales par spectroscopie proche infrarouge (NIR)**, J. Wildhaber, July 2003

Bachelor level *(Bachelor in pharmaceutical Sciences)*

Since 2020	Analyses Biomédicales (42h.) - Responsable
Since 2017	Analysis of drugs and metabolites in biological matrices (20h.)
2011-2016	Separative techniques: Gas and Liquid chromatography, electrophoresis Université de Genève (20 h.)
Since 2001	Analytical method validation, Chiral Separation, Capillary electrophoresis Université de Genève (8 h.)
2003-2011	Teaching supervision of « Introduction aux sciences pharmaceutiques (56 h.) » Nb heures données : (2h.)
Since 2002	Pharmaceutical methodology – basics in statistic, tests, regression. Université de Genève (14 h.) Université de Lausanne (2003) (14 h.)
1998-2002	Sample preparation (LLE, SPE, etc.) Separative techniques : gas and liquid chromatography, electrophoresis Université de Genève (28 h.), Université de Lausanne (28 h.)

Others - Certificat Complémentaire en Toxicologie (Réseau lémanique de toxicologie)

2008	Méthodes de détection (MS) et préparation d'échantillon (2 h.) Institut Universitaire de Médecine Légale, CMU, Genève (Switzerland).
2005	Méthodes de séparation et de détection (2 h.) Institut Universitaire de Médecine Légale, CMU, Genève (Switzerland).
2003	HPLC, HPLC – MS, SPE on-line, CE (2 h.), Méthodes de séparation et de détection Faculté des sciences, Genève (Suisse).

HONORS - HDR | PhD | MAS | TAC| Jury Members

116. Eloi Marilleau (2025) **Evaluation et validation de concepts de caractérisation de micropolluants organiques en matrices alimentaires et environnementales par le couplage chromatographie liquide-spectrométrie de masse haute résolution,** Dr N. Cimetiere, Ecole nationale superieure de Chimie de Rennes (France)
115. ShunYi (2025) Mid-term PhD **Sex differences in the management of cardiovascular disease and risk factors** , Prof. P. Marques-Vidal, Prof. J. Ivanisevic, Université de Lausanne (Switzerland)
114. Carla Orlandi (2025) PhD **Développement de méthodologies inspirées de la métabolomique pour l'attribution chimique d'un pesticide organophosphoré (chlorpyrifos) issu de plusieurs sources de synthèse**, Dr. L. Debrauwer, Dr. E. Jannin, Université de Toulouse (France)
113. Julien Classens (2025) PhD **Étude de l'influence des polluants environnementaux sur l'incidence du diabète de type 2**, Prof. C. Charlier, Université of Liège (Belgium)
112. Marc-Aurèle Boillat (2025) PhD **High-Resolution Ion Mobility Spectrometry and Study of Universal Mass Spectrometry with a Microwave Plasma Source,** Prof. Hauser, Faculty of Sciences, University of Basel (Switzerland)
111. Thanh Duc Mai (2025) HDR **New analytical concepts and systems for characterization of nano-entities and biomolecules towards diagnostic and nanomedicine applications**, Université Paris-Saclay (France)
110. Nathalie Poupin (2024) HDR **Exploration des perturbations métaboliques induites par l'alimentation et l'exposition à des contaminants alimentaires par des approches de modélisation du métabolisme** Université Toulouse 3 - Paul Sabatier (France)
109. Tomás Clive Barker Tejeda (2024) **Methodologies for the study of gut microbiota by metabolomics: application to infants with cow's milk allergy, their mothers, and grandmothers**, Dr Marina Pérez Gordo Prof. Alma Villaseñor Solís, Universidad San Pablo CEU, Madrid (Spain)
108. Alessio Ciurli (2024) PhD Thesis, **The Saliverse: a taste of the multi dimensional biochemical network of the human oral metabolome**, Prof. Sjaak Neefjes, Dr. Martin Giera, Leiden University Medical Center (The Netherlands)
107. Cécile Boughanem (2024) PhD Thesis, **Développement de méthodes de traitement de l'échantillon et d'analyse des hydrocarbures aromatiques polycycliques dans le sérum et le placenta humain**, Prof. V. Pichon, Dr N. Delaunay, Sorbonne Université – ESPCI, Paris Centre (France)
106. Paul Thoueille (2024) PhD Thesis, **Real-world concentrations monitoring of long-acting cabotegravir and rilpivirine: a multicenter prospective observational study in Switzerland**, Prof L. Decosterd and Dre Monia Guidi, Université de Lausanne (Switzerland)

105. German Cano-Sancho (2024) HDR **Une approche intégrée pour décrypter l'exposition chimique chez la femme : application à la recherche étiologique des troubles métaboliques et de la reproduction**. Université de Nantes (France)
104. Yassine Makin (2023) PhD Thesis **Iterative evaluation of the multiple potentialities of liquid chromatography coupled with high-resolution mass spectrometry for the broad-spectrum investigation of multiresidues in food: a tool at the service of the exposome and food safety of tomorrow**, Dr Julien Parinet, Ecole nationale vétérinaire d'Alfort, Paris est Sud (France)
103. Luis Quiros Guerrero (2023) PhD Thesis **Development of a Prioritization Strategy to Efficiently Select Natural Extracts from Large Biodiverse Datasets with a High Structural Novelty Potential**. Prof. J.-L. Wolfender, Geneva University (Switzerland)
102. Thomas Brunet (2023) PhD Thesis **Développement d'approches multi-omique par couplage chromatographie liquide – spectrométrie de masse en tandem pour la caractérisation de perturbations métaboliques chez l'espèce sentinelle Gammarus fossarum après exposition à des contaminants**. Prof. S. Ayciriex, Institut des Sciences Analytiques (ISA), Université de Lyon (France)
101. Joanie Otin (2023) PhD Thesis **Development of new methods of urine sample preparation, preconcentration and analysis based on capillary electrophoresis to detect doping peptide hormones on athletes**, Prof. M. Taverna, Dr T. Tran-Maignan, Université Paris-Saclay (France)
100. Marlien Admiraal-van Mever (2023) PhD thesis **Capillary Electrophoresis-Mass Spectrometry based Metabolomics Approaches for Volume-restricted Applications** Dr. Rawi Ramautar and Prof. dr. Thomas Hankemeier, University of Leiden (The Netherlands)
99. Karoline Rehm (2023) PhD Thesis **The Analytical Swiss Army Knife - HR-MS, LC and Ion Mobility as a Tool for Quantification and Structure Elucidation** Prof. Dr. Laurent Bigler, University of Zurich (Switzerland)
98. Yupeng He (2023) PhD Thesis **Innovative (electro-driven) sample preparation tools for metabolomics study of muscle aging**, Prof. T. Hankemeier, Dr. B. Wouters, Leiden University, The Netherlands
97. Pauline Bosman (2022) PhD Thesis**, Étude du métabolome salivaire : évolution avec l'âge et mise en évidence de biomarqueurs du syndrome de Sjögren**, Prof. H. Chardin, Dr A. Combès, Sorbonne Université Paris (France)
96. Paul Thoueille (2022) Mid-term PhD Thesis, **Novel Long Acting Injectable Antiretrovirals: Real-Life Monitoring in the Swiss HIV Cohort Study**, Prof L. Decosterd and Dre Monia Guidi, Université de Lausanne (Switzerland)
95. Adeline Bigard (2022) PhD thesis **Dévelopement analytique en chromatographie ionique couplée à la spectrométrie de masse et application à l'analyse de métabolites dans les matrices biologiques,** Prof. P. Cardinael, Dr. V. Peulon-Agasse, Université de Rouen Normandie (France)
94. Maria Leticia Lacalle Bergeron (2022) PhD thesis **Mass spectrometry based untargeted metabolomics in food and health area**, Prof. J.V. Sancho Llopis, Dra. T. Portolés Nicolau, University de Castelló de la Plana (Spain)
93. Hugo Morin (2022) PhD thesis **In-Depth Study of the Ja Pathway Initiation in the Distal Leaf Primary Vasculature after Mechanical Wounding in Arabidopsis Thaliana**, Prof. T. Farmer, University of Lausanne, Prof. J.-L. Wolfender, Geneva University (Switzerland)
92. Loic Mervant (2022) PhD thesis **Utilisation de l'approche de métabolomique sans a priori des métabolites urinaires issus de composés électrophiles pour comprendre la relation viande rouge et cancer colorectal,** Dr. L. Debrauwer, Dr F. Guéraud, Université Toulouse 3 - Paul Sabatier (France).
91. Nattapong Chantipmanee (2022) PhD thesis **Study of detection of inorganic ions by electrospray mass spectrometry and development of ion mobility spectrometry and its application**, Prof. Hauser, Faculty of Sciences, University of Basel (Switzerland)
90. Yohann Clément (2021) PhD thesis **Outils chimiométriques pour la résolution de systèmes analytiques complexes : De la mise en place de plans d'expériences dédiés à l'analyse de données pour la détection de marqueurs spécifiques (santé|environnement)** Prof. P. Lantéri, P. C. Morell, Université Claude Bernard Lyon 1 (France)
89. Camille Malburet (2021) PhD thesis **Electrophorèse capillaire et analyse de la dispersion de Taylor pour létude des interactions antigènes|adjuvants dans les vaccins et la caractérisation des formulations vaccinales à ARN messager** Prof. Hervé Cottet, Université de Montpellier (France)
88. Laura Carbonell Rozas (2021) PhD thesis **New analytical strategies for the determination of insecticides residues and ergot alkaloids in environmental and food samples**. Prof. F. Lara Vargas, Prof. Ana M. García-Campaña, University of Granada (Spain)
87. Nicolas Sambiago (2021) PhD thesis **Exposure assessment to harmful compounds emitted by Electronic Nicotine Delivery System (ENDS) – from emission characterization to urinary biomarker determination**, Dre Nancy Hopf, Dre Aurélie Berthet, University de Lausanne (Switzerland)
86. Sandrine Reymond (2021) TAC **Biomarkers discovery and validation for the diagnosis and prognosis of stroke,** Prof. J.-C. Sanchez, Université de Genève (Switzerland)

85. Jasmine Saskja Sarah Furter (2021) PhD thesis **Microfluidics based injection systems for capillary electrophoresis based coupled to contactless conductivity, fluorescence and mass spectrometry detection,** Prof. Hauser, Faculty of Sciences, University of Basel (Switzerland)
84. Miguel Fernández García (2021) PhD. thesis **Development and application of multiplatform metabolomic pipelines for the study of infectious diseases,** Prof. A. García Fernández, Prof. Rey-Stolle Valcarce, Universidad CEU San Pablo, Madrid (Spain).
83. Larissa van Ek (2020) TAC, **Networks of Lipid Transport Proteins controlling Lipid homeostasis in a changing environement,** Prof. A.-C. Gavin Perrin, Université de Genève (Switzerland)
82. Martine Deborah Huberty (2020) PhD. thesis, **From the root of variation – A metabolomics perspective to plant soil-feedback**, Prof. T. M. Bezemer, Dr Y.H. Choi, Leiden University (The Netherlands)
81. Frédéric Lecomte (2020) PhD. thesis « **Préparation d'échantillons biologiques à l'aide de supports polymériques à empreintes moléculaires (MIPs) : développement et évaluation des performances quantitatives** » Prof. Ph. Hubert, Dr. P. Chiap, Université de Liège (Belgique)
80. Véronique cariou (2020) HDR « **Approches factorielles et classificatoires pour l'analyse des données multiblocs. Applications en sensométrie et en chimiométrie** » Université de Nantes (France)
79. Perinne Courlet (2020) PhD. thesis "**Model-based simulations of drug-drug interactions in the Swiss HIV Cohort Study"** Prof L. Decosterd and Prof. C. Csajka, Université de Lausanne (Switzerland)
78. Jérémy Ratel (2020) PhD. thesis **« Intérêt de la volatolomique pour détecter les pertubations métaboliques induites par l'exposition de systèmes biologiques aux contaminants chimiques»**, Dr E. Engel, Université Clermont-Auvergne – INRAe (France)
77. Luis-Manuel Quirós-Guerrero (2019) TAC **"Prioritization of high-value natural products from a large chemo-diverse plants extracts collection: a focus on structural novelty"** Prof. J.-L. Wolfender, Université de Genève (Switzerland)
76. Stéphanie Monnerie (2019) PhD. thesis **« Apport de la modélisation pour une meilleure stratification des populations à risque »**, Dr E. Pujos-Guillot, Université Clermont-Auvergne (France), Prof. P. Gaudreau, Université de Montréal (Canada)
75. Joëlle Hourriet (2019) PhD. thesis "**Holistic Analytical Approaches for the Investigation of Clinically Relevant Herbal Preparations: a Way to Decipher Biological Activities at the Molecular Level for further Evidence-Based Approaches**" Prof. J.-L. Wolfender, Université de Genève (Switzerland)
74. Nicolas Sambiagio (2019) – Mid-term PhD. thesis **Efficacy, Safety and Toxicology of Electronic Nicotine Delivery Systems (ESTxENDS) as an aid for smoking cessation – Evaluation of biomarkers in urine and exhaled breath condensate** Dr. N. Hopf, Dr. A. Berthet, University of Lausanne (Switzerland)
73. Sabina Widmer (2019) Master of Advanced Studies in Toxicology **Influence of targeted drugs and xenobiotics on semen parameters in a cohort of 500 swiss conscrits,** Dr. M. Rossier, Dr, F. Zufferey, Hôpital du Valais, Spital Wallis (Switzerland)
72. Vito Dozio (2019) PhD. thesis, **"Proteomics Phenotyping of CNS Cells Exposed to Inflammatory Stimuli and Opiods",** Prof J. Desmeules, Prof. Y. Daali, Prof. J.-C. Sanchez, Université de Genève (Switzerland)
71. Hélène Poinot (2019) - TAC **The impact of glucocorticoids on anti-tumor immunity,** Prof C. Bourquin, Université de Genève (Switzerland)
70. Chantal Walther (2019) PhD. thesis, **"Targeting *Waddlia chondrophila* development cycle using genetic tools and metabolomics",** Prof M. Cuendet, Dr Karl Perron, Dr Philippe Christen, Université de Genève (Switzerland)
69. Mary Nyonda (2019) - TAC **Importance of Sphingolipid biosynthesis and Salvage Pathways in Apicomplexa,** Prof. D. Soldati-Favre, Université de Genève (Switzerland)
68. Rayanne Mohamed (2019) Master of Advanced Studies in Toxicology **In vitro metabolism and hepatic toxicity of a tyrosine kinase inhibitor: Lapatinib,** Dr. Y. Daali, Prof. A. Thomas, Lausanne University (Switzerland)
67. Camille Lenoir (2018) – TAC **Personalised medicine: a pharmacogenetic perspective on drug safety through clinical trials in hospitalized patients** Prof. J. Desmeules, Dr. V. Rollasson, Dr. C. Samer, Université de Genève (Switzerland)
66. Perrine Courlet (2018) – Mid-term PhD. thesis **Model-based simulations and clinical validation of drug-drug interactions in the Swiss HIV Cohort Study** Prof. L. Decosterd, Prof. C. Csajka, University of Lausanne (Switzerland)
65. Flore Grandin (2018) PhD. thesis **Développement d'une approche intégrative pour évaluer l'exposition interne fœtale au Bisphénol S,** Prof. N. Picard-Hagen, Dr. M. Lacroix, Inst. National Polytechnique de Toulouse (France)
64. Sophie Lonchampt (2018) TAC **Evaluation and systematization of prescribing practices in adults with intellectual disabilities,** Prof. J. Desmeules, Dr. M. Besson, Dr. M. Kossel, Université de Genève (Switzerland)
63. Camille Fauchère (2018) TAC **Etudes des substances extractibles et diffusibles dans différents emballages pharmaceutiques polymériques,** Prof. F. Sadeghipour, Université de Genève (Switzerland)

62. Léonie Pellissier (2018) TAC **Deciphering microbioal interaction of complex leaf endophyte communities in a long-lived rain forest model organism *Astrocaryum sciophilum***, Prof. J.-L. Wolfender, Dr. K. Gendro, Université de Genève (Switzerland)
61. Vincent Desfontaines (2018) PhD. thesis **The use of modern supercritical fluid chromatography and supercritical fluid chromatography - mass spectrometry in pharmaceutical analysis**, Prof. J.-L. Veuthey and Dr. D. Guillarme Université de Genève (Switzerland)
60. Gaia M.G. Quaroni (2018) PhD. thesis **Tuning the mechanical and adhesive properties of trans-dermal drug delivery systems**, Prof. P. Minghetti, Università degli Studi di Milano (Italy)
59. Aiello Gilda (2018) PhD. thesis **Nutritional peptidomics: Discovery, quantification and functional analysis of plant protein derived peptides**, Prof. A. Arnoldi, Università degli Studi di Milano (Italy)
58. Giovana Baron (2018) PhD. thesis **MS strategies for the study of plants extracts, bioavailability, bioactivity and mechanism of action**, Prof. G. Aldini, Università degli Studi di Milano (Italy)
57. Chantal Walther (2017) TAC, **To establish a method of screening plant extracts and natural compounds to inhibit the development of the bacterium *Waddlia chondrophila,*** Prof. M. Cuendet, Dr Karl Perron, Dr Philippe Christen, Université de Genève (Switzerland)
56. Vincent Cuzuel (2017) PhD. thesis **Développement d'une stratégie de caractérisation chimique de la signature odorante d'individus par l'analyse chimiométrique de données issues de méthodes séparatives multidimensionnelles** Dr J. Vial, Université Pierre et Marie Curie, Paris (France)
55. Jihéne Bouhlel (2017) PhD. thesis **Application de la volatolomique à la recherche de marqueurs d'exposition aux micropolluants dans le foie et le plasma,** Dr. E. Engel, Prof. D. Rutledge, Université Paris-Saclay (France)
54. Marianne Dor (2017) TAC, **Omics exploration of the human tear fluid**, Dr. N. Turc, Prof. A. Thomas, Prof. J.-L. Wolfender, Université de Genève (Switzerland)
53. Emmanuelle Bichon (2016) PhD. thesis **Challenge de l'analyse de dangers chimiques à l'état d'ultra-traces en matrices biologiques complexes**, Prof. B. Le Bizec, Laberca, Université de Nantes (France)
52. Benjamin Thiombiano (2016) PhD. thesis **Etude du métabolisme des phénylpropanoïdes au cours de la germination de la graine de lin**, Dr R. Dauwe, Prof. F. Mesnard, Université de Picardie, Amiens (France)
51. Miguel de Figueiros (2016) First year qualification for PhD. thesis **Évaluation de la contribution des méthodes chimiométriques pour l'inférence de source et la comparaison de profils chromatographiques de liquides inflammables** Prof. D. Rutledge, AgroParisTech, Paris (France)
50. Lionel Sacconay (2016) PhD. thesis **In silico-driven strategies for the identification of novel sirtuin modulators** Prof. PA. Carrupt, Dr A. Nurisso, Prof. J.-L. Veuthey, Geneva University, Switzerland
49. Myriam Morgatta (2016) Master of Advanced Studies in Toxicology **What is known on disinfectants used in hospitals and potentially released in wastewaters? The case of two swiss university hospitals** Dr. N. Chèvre, Lausanne University (Switzerland)
48. Audrey Maréchal (2015) PhD. thesis **Colonnes monolithiques multimodales photofonctionalisées dédiées aux techniques séparatives miniaturisées** Prof. C. Desmesmay, Université Claude Bernard 1, Lyon, France
47. Matthieu Boiret (2015) PhD. thesis **Détection de composés faiblement dosés par imagerie Raman** Prof. Roger, INRA, Montpellier (France)
46. Alexandra Gaubert (2015) PhD. thesis **Vers une méthodologie de la déformulation des mélanges complexes combinant outils analytiques et chimiométriques : Application aux détergents** Prof. L. Casablanca, Dr. C. Bordes, Université Claude Bernard 1, Lyon (France)
45. Luc Besson (2015) PhD. thesis **Inférence de source de traces d'essence retrouvées dans des débris d'incendies : évaluation de la contribution de la chromatographie en phase gazeuse couplée à la spectrométrie de masse à rapport isotopique** Prof. O. Délémont, Ecole des Sciences Criminelles, Lausanne University (Switzerland)
44. Christophe Roussel (2015) HDR **IRM métabolique utilisant la DNP comme méthode de polarisation** ENS Cachan, Paris (France)
43. Didia Coelho Graça (2015) PhD. thesis, **Hemoglobinopathies diagnostic and therapeutic follow-up by top-down mass spectrometry** Prof. D. Hochstrasser, Prof. Y. Tsybin, Université de Genève (Switzerland)
42. Cédric Hubert (2015) PhD. thesis **Gestion du risque associé au cycle de vie des méthodes analytiques** Prof. Ph. Hubert, Université de Liège (Belgique)
41. Emilie Chorier (2015) PhD. thesis **Mise au point de méthodes d'analyse de substances critiques potentiellement présentes dans les produits et procédés de la filière cuir** Prof. A. Berthot, Université Claude Bernard 1, Lyon (France)
40. Evin Danisman (2015) Master of Advanced Studies in Toxicology **Environmental Risk Assessment of Psychiatric Drugs** Dr. N. Chèvre, Lausanne University (Switzerland)
39. Niels Oberhauser (2014) PhD. thesis **Lipophilicity in computer-aided drug design: new tools and applications** Prof. PA. Carrupt, Dr A. Nurisso, Geneva University (Switzerland)
38. Jérémy Jeudi (2014) PhD. thesis **Quantification de biomarqueurs protéiques dans des matrices biologiques complexes par spectrométrie de masse: développements et applications** Prof. J. Lemoine, Université Claude Bernard 1, Lyon (France)

37. Lucie Dubugnon (2014) Master of Advanced Studies in Toxicology **Biological monitoring of workers exposed to PCBs using the DR CALUX assay** Dr. O. Sorg, Geneva University (Switzerland)
36. Elena Tobolkina (2014) PhD. thesis **New analytical tools combioning gel electrophoresis and mass spectrometry** Prof. H. Girault, EPFL, Lausanne (Switzerland)
35. Cecilia Fortuno (2014) PhD. thesis **Multimethodological study of molecular recognition phenomena** Prof. P.A. Carrupt, Prof. C. Bertucci, University of Geneva, University of Bologna (Italy)
34. Elyes Dahmane (2013) PhD. thesis **Tamoxifen pharmacokinetics and pharmacogenetics in endocrine sensitive breast cancer patients** Prof. C. Csajka, Prof. L. Decosterd, University of Geneva, University of Lausanne (Switzerland)
33. Manuel Rusconi (2013) Master of Advanced Studies in Toxicology **Method development for the detection of the direct ethanol biomarker phosphatidylethanol and its application in forensic toxicology** PD. Dr. C. Staub, Centre Universitaire Romand de Médecine Légale (CURML), Lausanne (Switzerland)
32. Nathalie Delaunay (2013) HDR **Miniaturisation de supports analytiques** ESPCI, Paris, France
31. Julian Broseus (2013) PhD. thesis **Etude de l'approvisionnement d'une banque de données avec les résultats provenant de méthodes analytiques différentes dans le cadre du profilage chimique de produits stupéfiants** Prof. P. Esseiva, Lausanne University (Switzerland)
30. Chiara Perazzolo (2013) Master of Advanced Studies in Toxicology **Environmental Risk Assesment of UV Filters** PD. Dr. N. Chèvre, Lausanne University (Switzerland)
29. Frederic Been (2012) Mid-term qualification for PhD. thesis **Refining sewage epidemiology for the monitoring of illicit drug consumption: investigating he added value of wastewater analyses in relation to conventional analysis.** Prof. P. Esseiva, Lausanne University (Switzerland)
28. Philippe Anres (2012) PhD. thesis **Développement de nouvelles méthodologies de préconcentration électrocinétique in-situ en électrophorèse capillaire pour l'analyse de trace** Prof. P. Gareil, University Pierre et Marie Curie, Paris (France)
27. Karin Kipper (2012) PhD. thesis **Fluoroalcohols as Components of LC-ESI-MS Eluents: Usage and Applications** Prof. K. Herodes, University of Tartu (Estonia)
26. Mohamed Reza Pourhaghighi (2011) PhD. thesis **Development of Electrokinetically based two-dimension separation methodologies for proteomic studies** Prof. H. Girault, EPFL, Lausanne (Switzerland)
25. Flavia Badoud (2011) PhD. thesis **Application de la chromatographie liquide à ultra-haute pression couplée à un spectromètre de masse quadripôle à temps de vol pour l'analyse antidopage** Prof. J.-L. Veuthey, Geneva University, Switzerland | Dr M. Saugy, Swiss Laboratory for Doping Analyses, Lausanne (Switzerland)
24. Nambatingar Ngaram (2011) PhD. thesis **Contribution à l'étude analytique des polluants (en particulier de type métaux lourds) dans les eaux du fleuve Chari lors de sa traversée de la ville de N'Djamena** Prof. P. Lantéri, Claude Bernard – Lyon I University (France)
23. Witold Nowik (2011) PhD. thesis **Mise au point d'une démarche analytique de caractérisation de mélanges naturels complexes à l'aide de méthodes chromatographiques sélectives et complémentaires. Application à l'analyse des colorants anthraquinoniques présents sur les objets du patrimoine»** Prof. A. Tchapla, Université Paris-Sud 11 (France)
22. Sylvain Coutu, (2010) First year qualification for PhD. thesis **A stochastic perspective to assess the dynamic of micropollutants in the aquatic environment** Dr L. Rossi | Prof. A. Barry, EPLF, Lausanne (Switzerland)
21. Cédric Moretton, (2009) PhD. thesis **Analyse des caramels liquides : développement et validation de nouvelles méthodes basées sur la chromatographie en phase liquide bidimensionnelle (LC-LC)** Dr G. Créttier, Claude Bernard – Lyon I University (France)
20. Jean-Baptiste Baugros, (2008) PhD. thesis **Recherche et développement dans le domaine des substances substances chimiques : préparation aux réponses du système REACH** Prof. P. Lantéri, Claude Bernard – Lyon I University | Mme Grenier-Loustalot, Service Central CNRS (France)
19. Daniel Zuaboni, (2008) PhD. thesis **Novel Approaches for the Prediction of Intrinsic Solubility and Octanol|Water Partition Coefficient** Dr Cleva, Merck – Serono, Prof. PA. Carrupt, Geneva University (Switzerland)
18. Arnaud Salvatore, (2007) HDR **De la vectorisation à l'excrétion dans les matrices environementales** Claude Bernard Lyon I University (France)
17. Fania Bajot (2006) PhD. thesis **3D solvatochromic models to derive pharmacokinetic *in silico* profiles of new chemical entities** Prof. PA. Carrupt, Geneva University (Switzerland)
16. Linda Ayouni (2006) PhD. thesis **Développement de couplages chromatographie liquide ICP-MS pour la spéciation de composés séléniés dans les compléments alimentaires** Prof. P. Lantéri, Claude Bernard – Lyon I University | Mme Grenier-Loustalot, Service Central CNRS (France)
15. Medhi Megherbi (2006) PhD. thesis **Extraction et analyse de trace d'oligo- et polysaccharides. Applications au contrôle de qualité des miels** Prof. B. Herbreteau, Claude Bernard – Lyon I University (France)

14. Aly Thiocone (2006) PhD. thesis **Criblage LC-MS différentiel de composés impliqués dans les mécanismes de défense chez Arabidopsis thaliana (Brassicacea) et caractérisation d'oxylipines originales induites par stress biotiques et abiotiques** Prof. J.-L. Wolfender, Geneva University (Switzerland)
13. Yara Ilias (2006) PhD. thesis **Micro-extraction en phase solide, application à des matrices végétales : *Erytrhoxylum coca* Lam. Var. *coca* et *cannabis sativa* L.** Dr P. Christen, Geneva University (Switzerland)
12. Marianne Gex-Fabri Pun (2005) PhD. thesis **Pharmacocinétique clinique des médicaments antidépresseurs et antipsychotiques : étude de la variabilité inter-individuelle, de ses déterminants et de sa pertinence par rapport à l'effet thérapeutique** Prof. L. Balant, Geneva University (Switzerland)
11. Emmanuelle Cognard (2005) PhD. thesis **Utilisation et apport de la trappe ionique pour l'analyse de xenobiotiques dans les matrices biologiques en toxicologie forensique** Dr. C. Staub, Geneva University (Switzerland)
10. Benoit Christiaens (2004) PhD. thesis **Dosage automatisé de médicaments à l'état de traces dans les fluides biologiques par couplage direct à la chromatographie liquide de l'extraction sur phases solides à accès restreints et à empreinte moléculaires** Prof. J. Crommen, Liège University (Belgium)
9. Alexandra Galland (2004) PhD. thesis **Towards the validation of in silico models and physicochemical filters to identify and characterize new chemical entities** Prof. PA. Carrupt, Lausanne University (Switzerland)
8. Anke Sieg (2004) PhD. thesis **The Internal Standard Concept for Non-invasive Glucose Monitoring Using Reverse Iontophoresis** Prof. R. Guy, Geneva University (Switzerland)
7. Gabriel Cazorla (2004) PhD. thesis **Apport de la lipophilie à la constitution de banques de molécules bioactives. Nouvelles techniques chromatographiques pour la détermination expérimentale du logP** Prof. P. Lantéri, Claude Bernard – Lyon I University (France)
6. Séverine Dumas (2003) PhD. thesis **Dosage du polymorphisme : spectrophotométrie IRTF et chimiométrie. Application aux allotropes du CL20** Prof. P. Lantéri, Claude Bernard University (France)
5. Xiangli Liu (2003) PhD. thesis **New approaches to measure lipophilicity: applications and interpretations** Prof. B. Testa, Lausanne University (Switzerland)
4. Laurent Geiser (2003) PhD. thesis **Développement et validation de méthodes analytiques pour l'analyse de composés pharmaceutiques par électrophorèse capillaire couplée à un spectromètre de masse** Prof. JL. Veuthey, Geneva University (Switzerland)
3. Patrick Seuret (2003) PhD. thesis **Interactions intermoléculaires et cohésion moléculaire. Inhibiteurs viraux, colonnes de séparation HPLC et microdépôts métalliques** Prof. J. Weber and Prof. JMJ Tronchet, Geneva University (Switzerland)
2. Cinzia Stella (2003) PhD. thesis **Caractérisation de phases stationnaires pour l'analyse de substances basiques à l'aide d'un test particulier** Prof. JL. Veuthey, Geneva University (Switzerland)
1. Didier Ortelli (2001) PhD. thesis **Utilisation de la chromatographie liquide couplée à la spectrométrie de masse pour l'analyse de médicaments dans les fluides biologiques** Prof. JL. Veuthey, Geneva University (Switzerland)

TEACHING, Professional or External

106. Validation des méthodes analytiques II (Formation sur logiciels), (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), April 11, 2025, Uni Carl-Vogt, Genève (Suisse).
105. Validation des méthodes analytiques, Terminology, (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), April 10, 2025, Uni Carl-Vogt, Genève (Suisse)
104. Validation des méthodes analytiques II (Formation sur logiciels), (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 19, 2024, Uni Carl-Vogt, Genève (Suisse).
103. Validation des méthodes analytiques, Terminology, (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 18, 2024, Uni Carl-Vogt, Genève (Suisse)
102. Validation des méthodes analytiques, Terminology, (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), November 17, 2023, Philip Morris, Neuchâtel (Suisse)
101. Incertitude de mesure, (7h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), April 15, 2023, Uni Carl-Vogt, Genève (Suisse).
100. Validation des méthodes analytiques II (Formation sur logiciels), (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 14, 2023, Uni Carl-Vogt, Genève (Suisse).
99. Validation des méthodes analytiques, Terminology, (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 13, 2023, Uni Carl-Vogt, Genève (Suisse)
98. Validation des méthodes analytiques, (12 h.), Cours de formation du Centre de Compétencen Chimie et Toxicologie Analytique (CCCTA), January 27, 2023, Société Mane, Le Bar-sur-Loup Notre Dame (France).
97. New Quantitation and Validation Trends in Separation | MS - Based Bioanalysis (2h) Short courses with V. Gonzalez-Ruiz, 38th International Symposium on Microscale Separations and Bioanalysis (MSB 2022), July 3-6, 2022 – Liège (Belgium)

96. **Aspects méthodologiques pour l'acquisition et le traitement de données métabolomiques** (3h) Séminaire pré-congrès with J. Boccard- Chimiométrie 2022, June 7-9, 2022, Brest (France)
95. **Incertitude de mesure,** (7h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), April 12, 2022, Uni Carl-Vogt, Genève (Suisse).
94. **Validation des méthodes analytiques II (Formation sur logiciels),** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 15, 2022, Uni Carl-Vogt, Genève (Suisse).
93. **Validation des méthodes analytiques, Terminology,** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 14, 2022, Uni Carl-Vogt, Genève (Suisse).
92. **Metabolomics best practice : an Overview**, Annual Meeting & SGMS School 16 - 19 November 2021 Dorint Resort Blüemlisalp, Beatenberg (Switzerland)
91. **De l'acquisition aux données: aspects analytiques et méthodologiques en métabolomique** (3h) - Short courses with V. Gonzalez Ruiz, SEP21, October 5-7, 2021, Paris (France)
90. **Des données à l'information biologique: aspects statistiques et bioinformatiques en métabolomique** (3h) Short courses with J. Boccard, SEP21, October 5-7, 2021, Paris (France)
89. **Advanced analysis of metabolomics data: Data Structures as a key to knowledge discovery** (2h)**,** Short courses with J. Boccard **-** Metabolomics Society 2021 Workshop, June 22nd 2021, e-Session.
88. **Aspects méthodologiques pour l'acquisition et le traitement de données métabolomiques** (2h)**,** e-Chimiométrie 2021, February 2021, https:||chemom2021.sciencesconf.org, SFdS (France)
87. **Incertitude de mesure,** (7h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), November 10, 2020, e-Formation.
86. **How to build an open-source CE** (4*1h), **Workshop** 36th Int. Symposium on Microscale Separations and Bioanalysis, e-MSB 2020, September 27th-30th, 2020 - http:||www.msb2020.com|
85. **Introduction to Metabolomics Workflow** (3h), **Short courses with C. Barbas,** 36th Int. Symposium on Microscale Separations and Bioanalysis, e-MSB 2020, September 27th-30th, 2020 - http:||www.msb2020.com|
84. **Validation des méthodes analytiques II (Formation sur logiciels),** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 10, 2020, Uni Ansermet, Genève (Suisse).
83. **Validation des méthodes analytiques, Formation Générale,** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 9, 2020, Uni Ansermet, Genève (Suisse).
82. **Aspects méthodologiques pour l'acquisition et le traitement de données métabolomiques** (3h) Séminaire pré-congrès with J. Boccard- Chimiométrie 2020, January 27-29, 2020, Liège (Belgium)
81. **Advanced approaches for the analysis of metabolomics data: From experimental design to knowledge discovery** (2h)**,** Short courses with J. Boccard **-** European RFMF Metabomeeting 2020, January 22nd - 24th, 2020, Toulouse (France).
80. **Validation des méthodes analytiques II,** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), December 10, 2019, SCAV, Neuchâtel (Suisse).
79. **Validation des méthodes analytiques, Formation Générale,** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), November 26, 2019, SCAV, Neuchâtel (Suisse).
78. **Validation des méthodes analytiques II (Formation sur logiciels),** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 8, 2019, Uni Ansermet, Genève (Suisse).
77. **Validation des méthodes analytiques, Formation Générale,** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 4, 2019, Uni Ansermet, Genève (Suisse).
76. **Workshop Introduction to Metabolomics Workflow** (3h), **Short courses with C. Barbas,** 32nd International Symposium on Chromatography, ISC 2018, September 22, 2018, Cannes – Mandelieu (France)
75. **Electrophorèse capillaire, Instrumentation, Couplage MS** (4 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), May 23, 2018, CMU, Genève (Suisse).
74. **Initiation à l'analyse de données multivariées (Formation sur logiciels),** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), April 4, 2018, Uni Ansermet, Genève (Suisse).
73. **Validation des méthodes analytiques II (Formation sur logiciels),** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 10, 2017, Uni Ansermet, Genève (Suisse).
72. **Validation des méthodes analytiques, Formation Générale,** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 9, 2017, Uni Ansermet, Genève (Suisse).
71. **Préparation d'échantillon liquide,** Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA)**,** April 26, 2016, Pavillon Ansermet, Genève (Switzerland).
70. **Validation des méthodes analytiques, Formation générale et sur logiciel,** (7 h.), Société Firmenich March 16, 2016, Pavillon Ansermet, Genève (Suisse).
69. **Validation des méthodes analytiques II (Formation sur logiciels)** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 11, 2016, Ansermet, Genève (Suisse).
68. **Validation des méthodes analytiques, Formation Générale** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) March 10, 2016, Pavillon Ansermet, Genève (Suisse).
67. **Préparation d'échantillon liquide,** Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA)**,** April 8, 2015, Pavillon Ansermet, Genève (Switzerland).
66. **Initiation à l'analyse de données multivariées (Formation sur logiciels),** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), April 9, 2015, Uni Ansermet, Genève (Suisse).

65. **Validation des méthodes analytiques, Formation Générale** (16 h.), Service de la sécurité alimentaire et des affaires vétérinaires SAAV, December 4-5, 2014, Fribourg (Suisse).
64. **Validation des méthodes analytiques II (Formation sur logiciels)** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) March 28, 2014, Ansermet, Genève (Suisse).
63. **Validation des méthodes analytiques, Généralités** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), February 27, 2014, Ansermet, Genève (Suisse).
62. **Validation des méthodes analytiques II (Formation sur logiciels),** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), February 23, 2013, Uni Ansermet, Genève (Suisse).
61. **Validation des méthodes analytiques, Généralités** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), February 22, 2013, Uni Ansermet, Genève (Suisse).
60. **Quantitative aspects in Validation,** (7 h.), Société Firmenich, June 1, 2012, Uni Ansermet, Genève (Suisse).
59. **Validation des méthodes analytiques II (Formation sur logiciels)** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 23, 2012, Baud-Bovy, Genève (Suisse).
58. **Validation des méthodes analytiques, Protocoles de Validation** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) March 22, 2012, Uni Ansermet, Genève (Suisse).
57. **Validation des méthodes analytiques II (Formation sur logiciels)** (7 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (ccCTA) April 15, 2011, Uni Ansermet, Genève (Suisse).
56. **Validation des méthodes analytiques, Protocoles de Validation** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) April 14, 2011, Pavillon Ansermet, Genève (Suisse).
55. **Validation des méthodes analytiques, Formation Générale** (14 h.), Société Firmenich, September 21-22, 2010, Uni Ansermet, Genève (Suisse).
54. **Validation des méthodes analytiques, Formation Générale – International Managers** (14 h.), Société Firmenich, May 31 - June1, 2010, Pavillon Ansermet, Genève (Suisse).
53. **Validation des méthodes analytiques II (Formation sur logiciels)** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) April 19, 2010, Pavillon Ansermet, Genève (Suisse).
52. **Validation des méthodes analytiques, Protocoles de Validation** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) April 18, 2010, Pavillon Ansermet, Genève (Suisse).
51. **Validation des méthodes analytiques, Formation Générale** (14 h.), Société OM Pharma, April 4 and 5, 2010, Pavillon Ansermet, Genève (Suisse).
50. **Electrophorèse capillaire, Instrumentation,** (6h.), Introduction à l'électrophorèse capillaire, Cours de formation, Société Quality Assistance, November 16, 2009, Charleroi (Belgique).
49. **Préparation d'échantillon – Extraction SPE - Matrices biologiques et complexes,** (6 h.), Cours de formation de la Société EURADIF June 6, 2009, Pavillon Ansermet, Genève (Switzerland).
48. **Validation des méthodes analytiques II (Formation sur logiciels)** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) April 3, 2009, Pavillon Ansermet, Genève (Suisse).
47. **Statistiques de Base en chimie analytique** (6 h.), Cours de formation de la Société suisse de chimie, division chimie analytique (DAC), January 10, 2009, Pavillon des Isotopes, Genève (Suisse).
46. **Electrophorèse capillaire, Instrumentation, validation** (4 h) Cours de formation de la Société suisse de chimie, division chimie analytique (DAC), January 18, 2009, Pavillon des Isotopes, Genève (Suisse).
45. **Validation des méthodes analytiques III (Formation sur logiciels)** (6 h.), Cours de formation de la Société EURADIF, October 2, 2008, Lyon (France).
44. **Validation des méthodes analytiques II (Aspects théoriques),** (6 h.), Cours de formation de la Société EURADIF, October 1, 2008, Lyon (France).
43. **Statistiques de Base en chimie analytique,** (6 h.), Cours de formation de la Société suisse de chimie, division chimie analytique (DAC), June 24, 2008, Pavillon des Isotopes, Genève (Suisse).
42. **Préparation d'échantillon – Extraction SPE - Matrices biologiques et complexes,** (3 h.), Cours de formation de la Société EURADIF June 10-12, 2008, Pavillon Ansermet, Genève (Switzerland).
41. **Validation des méthodes analytiques II (Formation sur logiciels)** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) April 17, 2008, Pavillon Ansermet, Genève (Suisse).
40. **Validation des méthodes analytiques I (Aspects Théoriques)** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), April 18, 2008, Pavillon Ansermet, Genève (Suisse).
39. **Statistiques de Base en chimie analytique** (6 h.), Cours de formation de la Société suisse de chimie, division chimie analytique (DAC), February 1er , 2008, Pavillon des Isotopes, Genève (Suisse).
38. **Electrophorèse capillaire, Instrumentation, séparation chirales, couplage masse, validation** (4 h.), Cours de formation de la DAC, January 22, 2008, Pavillon des Isotopes, Genève (Suisse).
37. **Validation des méthodes analytiques II** (10 h.), Philip Morris Int., October 11 and 12, 2007, Yverdon (Suisse).
36. **Validation des méthodes analytiques III (Formation sur logiciels)** (6 h.), Cours de formation de la Société EURADIF, October 4, 2007, Lyon (France).
35. **Validation des méthodes analytiques I** (10 h.), Philip Morris Int., June 27 and 29, 2007, Yverdon (Suisse).
34. **Validation des méthodes analytiques II (Formation sur logiciels),** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) April 20, 2007, Pavillon Ansermet, Genève (Suisse).

33. **Validation des méthodes analytiques I (Aspects Théoriques)** (7 h.), Cours du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), April 19, 2007, Pavillon Ansermet, Genève (Suisse).
32. **Validation des méthodes analytiques** (9 h.), Université Claude Bernard 1, January 10|17, 2007, Lyon (France).
31. **Sample preparation for LC and GC|MS** 4th Introduction course in Mass spectrometry for medical laboratories November 28, 2006, Inselspital, Berne (Switzerland).
30. **Validation des méthodes analytiques, une approche pragmatique** (15 h.), Société Firmenich Genève June 16 and 19, 2006, Genève (Switzerland).
29. **Préparation d'échantillon – Extraction LLE|SPE - Matrices biologiques et complexes** (4.5 h.), Cours de formation de la Société EURADIF May 30-31, 2006, Pavillon Ansermet, Genève (Switzerland).
28. **Erreurs systématiques et aléatoires – fabrication de médicaments** Cycle de formation continue pour garçons de pharmacie, March 29, 2006, HUCG, Genève (Switzerland).
27. **Validation des méthodes analytiques, une approche pragmatique** (10 h.), Société OM-Pharma Genève March 8-9, 2006, Genève (Switzerland).
26. **Validation des méthodes analytiques, des résultats à la connaissance,** Société FIRMENICH, March 7, 2006, Genève (Switzerland).
25. **Préparation d'échantillon – Extraction LLE|SPE - Matrices biologiques** (4.5 h.), Cours de formation de la Société EURADIF November 22-24, 2005, Pavillon Ansermet, Genève (Switzerland).
24. **Validation des méthodes analytiques II (Formation sur logiciels)** (6 h.), Cours de formation de la Société EURADIF, October 9, 2005, Lyon (France).
23. **Validation des méthodes analytiques I (Aspects Théoriques)** (6 h.), Cours de formation EURADIF October 8, 2005, Lyon (France).
22. **Validation des méthodes analytiques II (Formation sur logiciels)** (6 h.), Cours de formation du CCCTA, April 15, 2005, Pavillon des Isotopes, Genève (Suisse).
21. **Validation des méthodes analytiques I (Aspects Théoriques)** (6 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), April 14, 2005, Isotopes, Genève (Suisse).
20. **Préparation d'échantillon – LLE | SPE - Matrices biologiques**
(4 h.) Cours de formation de la Société suisse de chimie, division chimie analytique (DAC)
February 22 - 23, 2005. Pavillon des Isotopes, Genève (Switzerland).
19. **Validation des méthodes analytiques en toxicologie – Généralités - Protocoles de validation, profil d'exactitude,** (3 h.), Médecine Légale, January 14, 2005, CMU, Genève (Switzerland).
18. **Préparation d'échantillon – Extraction liquide-liquide - Matrices biologiques,** (3 h.), Cours de formation de la Société EURADIF, November 16-18, 2004. Pavillon des Isotopes, Genève (Switzerland).
17. **Validation des méthodes analytiques II (Formation sur logiciels),** (6 h.), Cours de formation de la Société EURADIF (3 h.), October 15, 2004, Lyon (France).
16. **Préparation d'échantillon – Extraction liquide-liquide - Matrices biologiques,** (3 h.), Cours de formation de la Société suisse de chimie (DAC), May 14, 2004. Pavillon des Isotopes, Genève (Switzerland).
15. **Validation des méthodes analytiques – Généralités - Protocoles de validation - Analyse de variance (ANOVA),** (7 h.), April 10, 2004, Société Servier, Orléans (France).
14. **Validation des méthodes analytiques I,** (6 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 3, 2004, Pavillon des Isotopes, Genève (Suisse).
13. **Validation des méthodes analytiques, Généralités, formulations pharmaceutiques, dosages biologiques, produits de dégradation,** (7 h.) December 6-8, 2003, Glaxo, Evreux (France).
12. **Préparation d'échantillon – Extraction liquide-liquide - Matrices biologiques,** (3 h.), Cours de formation de la Société EURADIF, November 19-20, 2003. Pavillon des Isotopes, Genève (Switzerland).
11. **Validation des méthodes analytiques, Généralités, Protocoles de validation, Dosages biologiques** (6 h.), Cours de formation de la Société EURADIF, October 7-9, 2003, Lyon (France).
10. **Validation des méthodes analytiques, Généralités, Protocoles de validation, Analyse de variance (ANOVA)** (6 h.), Cours de formation de la Société EURADIF, September 11, 2003, Orléans (France).
9. **Validation de méthodes – Workshop,** (2 h.), May 13, 2003. Congrès SEP 2003, Lyon (France).
8. **LLE, techniques automatisées pour l'analyse de fluides biologiques,** (3 h.), Préparation d'échantillon Cours de formation de la DAC, April 11, 2003, Pavillon des Isotopes, Genève (Suisse).
7. **Electrophorèse capillaire, Instrumentation, séparation chirales, couplage masse, validation,** (4 h.), Cours de formation de la DAC, March 14, 2003, Pavillon des Isotopes, Genève (Suisse).
6. **Validation des méthodes analytiques I,** (6 h.), Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA). February 7, 2003, Pavillon des Isotopes, Genève (Suisse).
5. **Validation des méthodes analytiques, formulations pharmaceutiques, dosages biologiques, produits de dégradation,** (7 h.), Cours de formation de la Société EURADIF, December 19, 2002, Glaxo, Evreux (France).
4. **Préparation d'échantillon – Extraction liquide-liquide - Matrices biologiques,** (4 h.), Cours de formation de la Société EURADIF, November 19-21, 2002. Pavillon des Isotopes, Genève (Switzerland).
3. **Validation des méthodes analytiques, Généralités, Protocoles de validation, dosages biologiques**
(6 h.), Cours de formation de la Société EURADIF, October 1-3, 2002, Lyon (France).

2. **Validation des méthodes analytiques, formulation pharmaceutiques, dosages biologiques, produits de dégradation,** (10 h.), Cours de la Société EURADIF, January 22-24, 2002, Glaxo, Evreux (France).
1. **Séparation énantiomériques et couplage MS en électrophorèse capillaire, Aspects quantitatifs en Electophorèse capillaire,** (2 h.), Introduction à l'électrophorèse capillaire - Cours de formation de la Société suisse de chimie, division chimie analytique (DAC). October 1, 2001, Pavillon des Isotopes, Genève (Suisse).

CONGRESS and SYMPOSIUM Organisation

- **Member of the scientific committee CIDPharmef 2025 -** June 9-12 (2025) – Genève (Suisse)
- **Member of the International scientific committee SEP 2025 -** March 28-30 (2025) – Paris (France)
- **Chairmen of PBA 2024** – Geneva (Switzerland)
- **Annual Meeting of the Swiss Metabolomics Society (SMS),** September 2024, Basel (Switzerland).
- **Member of the International scientific committee,** 19° Chemometrics in Analytical Chemistry, 9th - 12th September 2024, Santa Fe (Argentina)
- **Annual Meeting of the Swiss Metabolomics Society (SMS),** September 2023, Zürich (Switzerland).
- **Annual Meeting of the Swiss Metabolomics Society (SMS),** October 2022, Lausanne (Switzerland).
- **Member of the scientific committee,** Metabolomics 2022, June 22th-24th 2022, Valencia (Spain)
- **Organizing Committee of 24ème Journées Scientifiques du CCCTA** | Labo 2030, si loin, si près, 16th-17th September 2021 - Les Diablerets (Switzerland) Scientific and organizing committee
- **Member of the Organizing Committee, SGMS-SMS congress, Together Strong !** November 2021, https:||www.sgms.ch|sgms|ms-meetings|2021-sgms-meeting.php, Beatenberg (Switzerland)
- **Member of the Organizing Committee, e-Chimiométrie 2021,** February 2021, https:||chemom2021.sciencesconf.org, SFdS (France)
- **President of the Organizing Committee, e-Meeting of the Swiss Metabolomics Society (SMS),** October 2020, http:||www.swiss-metabolomics.ch| (Switzerland)
- **Chairmen of the 36th International Symposium on Microscale Separations and Bioanalysis** e-MSB 2020, September 27th-30th, 2020 - http:||www.msb2020.com|
- **Member of the scientific committee,** European RFMF Metabomeeting 2020, January 22th-24th 2020, Toulouse (France)
- **Annual Meeting of the Swiss Metabolomics Society (SMS),** November 2019, Bern (Switzerland).
- **Scientific days, ISO 17025 : 2017 – Evolution ou révolution ?** October 9th, 2019. Lausanne (Switzerland)
- **Organizing Committee of 23ème Journées Scientifiques du CCCTA** | Tox'in the City, 15th-16th September 2019 - Les Diablerets (Switzerland) Scientific and organizing committee
- **33rd Seminar in Pharmaceutical Sciences,** Me, myself and I – September 2 – 5, 2019, Zermatt (Switzerland) Scientific and organizing committee
- **Member of the National Scientific Committee** – ISC 2018 Cannes-Mandelieu (France)
- **Organizing Committee of 22ème Journées Scientifiques du CCCTA** | Mass Spectrometry 13-14 septembre 2018 - Les Diablerets (Switzerland) Scientific and organizing committee
- **Member of the scientific and organizing committee,** Congrès SFTA, 5-8 juin 2018, Marseille (France)
- **Organizing Committee of 21ème Journées Scientifiques du CCCTA** | Miniaturisation 14-15 septembre 2017 - Les Diablerets (Switzerland) Scientific and organizing committee
- **Chairmen of SEP 2017 -** March 28-30 (2017) – Paris (France)
- **Member of the scientific committee** - 27th Int. Symp. on Pharmaceutical and Biomedical Analysis (PBA 2016), November 13th to 16th, 2016 Guangzhou (China)
- **Session d'étude SFSTP sur l'incertitude des résultats en analyse pharmaceutiques** October 7, 2016, Paris (France)
- **Organizing Committee of 20ème Journées Scientifiques du CCCTA** | Anciens problèmes, Nouveaux défis 15 - 16 septembre 2016 - Les Diablerets (Switzerland) Scientific and organizing committee
- **Organizing Committee of 19ème Journées Scientifiques du CCCTA** | "omics" dans tous les états 6 - 7 septembre 2015 - Les Diablerets (Switzerland) Scientific and organizing committee
- **Chairmen of the XVI Congrès CHimiométrie,** January 2015, Geneva (Switzerland)
- **Organizing Committee of 18ème Journées Scientifiques du CCCTA** | Problème de taille 2 - 3 septembre 2014 - Les Diablerets (Switzerland) Scientific and organizing committee
- **Organizing Committee of 17ème Journées Scientifiques du CCCTA** | Métabolites, de l'analyse à la toxicologie, 12 - 13 septembre 2013 - Les Diablerets (Switzerland) Scientific and organizing committee
- **Member of the scientific and organizing committee 10ème congress francophone de l'Afsep** sur les sciences séparatives et les couplages June 4 – 7, 2013, Paris (France)
- **Organizing Committee of 16ème Journées Scientifiques du CCCTA** | Chromatographies, retour vers le futur, 15 - 16 septembre 2012 - Les Diablerets (Switzerland) Scientific and organizing committee
- **Member of the Organizing committee 27nd Int. Symposium on Microscale Bioseparation & Analysis, MSB 2012 -** February 12-13, 2012, Geneva (Switzerland)

- **Organizing Committee of 15ème Journées Scientifiques du CCCTA** | Chimie Verte et environnement September 14 - 15, 2011 - Les Diablerets (Switzerland) Scientific and organizing committee
- **Organizing Committee of 26ème SÉMINAIRE EN SCIENCES PHARMACEUTIQUES** Analytics on the Top – September 5 – 9, 2011, Zermatt (Switzerland) Scientific and organizing committee
- **47th Annual Meeting of the International Association of Forensic Toxicologists Conference (TIAFT 2009),** August 23-27, 2009, Geneva (Switzerland) Scientific and Local organizing committee
- **Validation des méthodes analytiques** - Club Lyonnais de Chromatographie Liquide January 29, 2009, Médiathèque ROCKEFELLER, Lyon (France) Scientific and organizing committee
- **Organizing Committee of 13ème Journées Scientifiques du CCCTA** | Chimiométrie : de l'outil mathématique et statistique à l'analyse , September 18 - 19, 2008 - Les Diablerets (Switzerland) Scientific and organizing committee
- **CE Stacking day 2008** June 13, 2008, University of Geneva (Switzerland) Full organization
- **Validation des procédures analytiques quantitatives : harmonisation des démarches** March 26, 2008, Paris (France) Full organization - Session d'étude SFSTP
- **Member of the Organizing committee of Chimiométrie 2007** - November 29-30, CPE Lyon (France)

CONFERENCES and SYMPOSIUM organized at UniGE

- **Untargeted Lipidomics and Metabolomics: Challenges and Solutions,** Prof. Laura Goracci, , Department of Chemistry, Biology and Biotechnology, University of Perugia (Italy)April 24, 2024
- **Computational Mass Spectrometry – Hidden Features in MZmine, GNPS, and FastMASST** Dr. R. Schmid & Dr. C. Brungs Czech Academy of Sciences, Prague, Czech Republic – April 20, 2023
- **Using network science to better characterize metabolism,** Dr F. Jourdan, INRA UMR1331 Toxalim, Toulouse, France – July 26, 2019
- **Discovering metabolites that alter physiology, an omics perspective,** Prof. G. SIUZDAK, Scripps Research Institute in La Jolla, (CA) USA – May 29, 2019
- **Digitizing "Advances and Trends in FTMS Technique Development and Applications"** Dr. Y. O. TSYBIN, CEO at Spectroswiss Sàrl, EPFL (Switzerland) – March 14, 2019
- **Data Mining and Chemometrics Approach for Separation Techniques Hyphenated High-Resolution Mass Spectrometry,** Prof. G. L. ERNY, Laboratório de Engenharia de Processos Ambiente, Biotecnologia e Energia, Universidade do Porto (Portugal) – October 8, 2018
- **High Resolution Mass Spectrometry for Metabolomics: where do we stand?** Dr. C. JUNOT, MetaboHub, Université Paris Saclay, CEA Saclay – February 7, 2018
- **Mass spectrometry of covalent protein binding: applications in drug discovery,** Prof. G. ALDINI, Department of Pharmaceutical Sciences, University of Milan (Italy) – December 14, 2016
- **New Insight in Method Validation, Guidelines and Useful Statistics** Prof. J.-M. ROUSSEL – Université Paris-Sud (France) – February 26, 2016
- **Etudes structurales et suivi des changements de conformation par mobilités ioniques couplées à la spectrométrie de masse** Dr. J. FAR – University of Liège (Belgium) – December 2, 2014
- **Entering a new era for healthcare through stratified metabolic phenotyping**, Dr. S. REZZI – Institute Nestlé of Health Science (EPFL) – April 4, 2014
- **How capillary electrophoresis contributes to innovations in Alzheimer disease: new diagnostic and therapeutic approaches** Prof. M. TAVERNA – University of Paris-Sud (Châtenay-Malabry) – December 6, 2013
- **The greenhouse and the photograph: a metaphor** Prof. J. JANSEN – University of Radboud (The Netherlands) – August 28, 2012
- **Use of analytical techniques for interaction studies** Prof. E. De LORENZI - Università degli Studi di Pavia (Italy) – May 2, 2011
- **Front Affinity Chromatography in Drug Discovery** Prof. G. MASSOLINI - Università di Pavia – (Italy) – November 26, 2010
- **Valider des méthodes ou valider des résultats** Dr. M. FEINBERG, – INRA Paris (France) – December 6, 2009
- **Analyses chimiométriques appliqués à la criminalistique**, Prof. P. ESSEIVA – Institut de Police Scientifique (Lausanne, CH) – December 11, 2007
- **The challenges of studying Human biocomplexity: combined 1H NMR and chemometric methods as a tool for biofluids profiling**, Dr C. STELLA – Imperial College (London, United Kingdom) - March 3, 2006
- **Capillary electrophoresis -ESI-(Q)TOF MS - Applications to proteins, proteomics and small molecules** Dr C. NEUSUESS - Brucker Daltonicks (Bremen, Germany) - December 5, 2005
- **L'analyse multidimensionelle des données : applications au laboratoire**, Dr. G. MAZEROLLES, INRA Montpellier (France) - June 10, 2005
- **Experimental design in pharmaceutical analysis,** Prof. S. FURLANETTO, University of Firenze (Italy) - April 6, 2004

- **Enantioseparation in electromigration methods,** Prof. S. FANALI, CNR Rome (Italy) - September 25, 2003

SCIENTIFIC COOPERATION - Most recent and actuals

Regional and national cooperations

University of Geneva – School of Pharmaceutical Sciences
Dr. D. Guillarme, Analytical Sciences
Prof. J.-L. Wolfender, Phytochemistry & Bioactive Natural Products
Prof. P. Bonnabry, Prof. F. Sadeghipour, Clinical Pharmacy

University of Geneva – Faculty of Sciences
Prof. J.-C. Martinou, Dept of Cell Biology
Prof. D. Picard, Dept of Cell Biology
Prof. T. Bürgi, Dept of Organic Chemistry

University of Geneva – Faculty of Medecine
Prof. S. Nef, Faculty of Medicine
Prof. J.-C. Sanchez, Faculty of Medicine

Geneva Universitary Hospital (HUG)
Prof. N. Vuillemier, Dpt of Clinical Chemistry
Dr. B. Ponte, Service de Néphrologie
Prof. Sophie de Seigneux, Service de Néphrologie
Dr. B. B. Pinto, Département d'anesthésiologie, pharmacologie et soins intensifs

University of Basel
Prof. A. Odermatt, Department of Pharmaceutical Sciences

University of Lausanne
Prof. M. Saugy, Faculty of Biology and Medecine
Dr. T. Kuraane, Dr. Nicoli, Laboratory of Doping Analysis, CURLM
Dr. M.-G. Zurich, Department of Physiology
Prof. F. Sadeghipour, Clinical Pharmacy

University of Applied Sciences of Fribourg
Prof. O. Vorlet, HES

ETH zürich
Prof. N. Zamboni, Institute of Molecular Systems Biology

International cooperations

Universidad CEU - San Pablo Madrid (Spain)
Prof. C. Barbas, Facultad de Farmacia

Oniris, INRA - Nantes (France)
Dr. M. Hanafi, Unité de Sensométrie et Chimométrie

Leiden University (The Netherlands)
Prof. R. Ramautar, Leiden Academic Center for Drug Research (LACDR)
Prof. Y. Choi, Natural Products Laboratory

University of Sheik Anta Diop - Dakar (Sénégal)
Prof. S.O. Sarr, Service de bromatologie, Ministère de la Santé
Prof. T. Diop, Département de biologie végétale

National Health Quality Control (NHQC) - Phnom Penh (Cambodia)
Dr. T. Keila, Director

Helmholtz Zentrum München – Neuherberg (Germany)
Dr. M. Witting, Research Unit Analytical Biogeochemistry

College of Pharmacy, Jinan University, Guangzhou (China)
Prof. Z. Jiang, School of Pharmacy

I.M. Sechenov First Moscow State Medical University (Russia).
Prof. S. A. Appolonova, Institute of Translational Medicine and Biotechnolog