

SCHOOL OF PHARMACEUTICAL SCIENCES
GENEVA - LAUSANNE

SCIENTIFIC PRODUCTIONS 2013



CHAPTER

2013 AT A GLANCE

5

BIOPHARMACEUTICS

1.1	<i>Scientific publications (with impact factor)</i>	6
1.2	<i>Book or Books chapters</i>	7
2.1	<i>Posters presentations</i>	7
3.1	<i>Congresses & Symposia</i>	9
3.2	<i>Continuing education & open to the public lectures</i>	9

LIFE SCIENCES MASS SPECTROMETRY

1.1	<i>Scientific publications (with impact factor)</i>	10
1.2	<i>Scientific publications (without impact factor)</i>	10
2.1	<i>Posters presentations</i>	10
3.1	<i>Congresses & Symposia</i>	12
4.1.	<i>Intra-muros thesis</i>	13
4.2.	<i>Thesis jury</i>	13

PHARMACEUTICAL ANALYTICAL CHEMISTRY

1.1	<i>Scientific publications (with impact factor)</i>	14
1.2	<i>Scientific publications (without impact factor)</i>	16
1.3	<i>Book or Books chapters</i>	16
2.1	<i>Posters presentations</i>	17
3.1	<i>Congresses & Symposia</i>	18
3.2	<i>Continuing education & open to the public lectures</i>	20
3.3	<i>Other oral communications</i>	21
4.1.	<i>Intra-muros thesis</i>	22
4.2	<i>Extra-Muros Thesis</i>	22
4.3	<i>Thesis jury</i>	22

PHARMACEUTICAL BIOCHEMISTRY

1.1	<i>Scientific publications (with impact factor)</i>	23
2.1	<i>Posters presentations</i>	26
3.1	<i>Congresses & Symposia</i>	28
3.2	<i>Continuing education & open to the public lectures</i>	29
4.1.	<i>Intra-muros thesis</i>	29
4.2	<i>Extra-Muros Thesis</i>	30
4.3	<i>Jury</i>	30

PHARMACEUTICAL TECHNOLOGIES

1.1	<i>Scientific publications (with impact factor)</i>	31
1.2	<i>Scientific publications (without impact factor)</i>	32
2.1	<i>Posters presentations</i>	32
3.1	<i>Congresses & Symposia</i>	33
3.2	<i>Continuing education & open to the public lectures</i>	33
4.1	<i>Thesis jury</i>	34

PHARMACOCHEMISTRY

1.1	<i>Scientific publications (with impact factor)</i>	35
2.1	<i>Posters presentations</i>	36
3.1	<i>Congresses & Symposia</i>	37
3.2	<i>Continuing education & open to the public lectures</i>	38
3.3	<i>Radio/Television Intervention</i>	38
4.1.	<i>Intra-muros thesis</i>	38
4.2	<i>Thesis jury</i>	39

PHARMACOGNOSY

1.1	<i>Scientific publications (with impact factor)</i>	40
2.1	<i>Posters presentations</i>	41
3.1	<i>Congresses & Symposia</i>	42
3.2	<i>Continuing education & open to the public lectures</i>	43
4.1	<i>Thesis jury</i>	43

PHYTOCHEMISTRY AND BIOACTIVE NATURAL PRODUCTS

1.1	<i>Scientific publications (with impact factor)</i>	44
1.2	<i>Scientific publications (without impact factor)</i>	46
1.3	<i>Book or Books chapters</i>	46
2.1	<i>Posters presentations</i>	46
3.1	<i>Congresses & Symposia</i>	48
3.2	<i>Continuing education & open to the public lectures</i>	50
4.1.	<i>Intra-muros thesis</i>	51
4.2	<i>Thesis jury</i>	51

CLINICAL PHARMACOLOGY

1.1	<i>Scientific publications (with impact factor)</i>	52
1.2	<i>Scientific publications (without impact factor)</i>	53
2.1	<i>Posters presentations</i>	54
3.1	<i>Congresses & Symposia</i>	54
3.2	<i>Continuing education & open to the public lectures</i>	55
4.1.	<i>Intra-muros thesis</i>	55
4.2	<i>Thesis jury</i>	55

COMMUNITY PHARMACY

1.1	<i>Scientific publications (with impact factor)</i>	56
1.2	<i>Scientific publications (without impact factor)</i>	57
1.3	<i>Publications extramuros</i>	57
1.4	<i>Books or books chapters</i>	57
2.1	<i>Posters presentations</i>	58
3.1	<i>Congress & Symposia</i>	58
3.2	<i>Continuing education & open to the public lectures</i>	60

HOSPITAL PHARMACY (CHUV)

1.1	<i>Scientific publications (with impact factor)</i>	66
1.2	<i>Scientific publications (without impact factor)</i>	67
2.1	<i>Posters presentations</i>	67
3.1	<i>Congresses & Symposia</i>	68
3.2	<i>Continuing education & open to the public lectures</i>	69
3.3	<i>Radio/Television Intervention</i>	71
4.1	<i>Thesis jury</i>	71

HOSPITAL PHARMACY (HUG)

1.1	<i>Scientific publications (with impact factor)</i>	72
1.2	<i>Scientific publications (without impact factor)</i>	73
2.1	<i>Posters presentations</i>	73
3.1	<i>Congresses & Symposia</i>	75
3.2	<i>Continuing education & open to the public lectures</i>	75
3.3	<i>Radio/Television Intervention</i>	76
4.1	<i>Thesis jury</i>	77

2013 AT A GLANCE

Publications with impact factor	179
Publications without impact factor	34
Books or books chapters	18
Presentations & posters	195
Congresses & Symposia	155
Continuing Education & Open tot the public lectures	168
Radio/TV-Media Interventions	5
Number of projects Public research funds (FNRS, NIH, CTI)	42
Projects of collaboration with the industry and assimilated	51
Ph.D. Thesis presented in 2013	15
Patents	6
Awards	15

BIOPHARMACEUTICS



PROFESSOR

Gerrit BORCHARD

MER

Olivier JORDAN

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)	19
1.2 BOOK OR BOOK CHAPTERS	1
2.1 POSTERS PRESENTATIONS	17
3.1 CONGRESSES & SYMPOSIA	12
3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES	1

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

JOURNAL OF CONTROLLED RELEASE	7.26
MOLECULAR PHARMACEUTICS	4.78
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS	4.24
INTERNATIONAL JOURNAL OF NANOMEDICINE	4.19
PHARMACEUTICAL RESEARCH	3.95
INTERNATIONAL JOURNAL OF PHARMACEUTICS	3.78

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1.	C. PRIMARD, J. POECHEIM, S. HEUKING, E. SUBLET, F. ESMAEILI, G. BORCHARD. Multifunctional PLGA-based nanoparticles encapsulating simultaneously hydrophilic antigen and hydrophobic immunomodulator for mucosal immunization. <i>Molecular Pharmaceutics</i> , 10 (8), 2996–3004, 10.1021/mp400092y (2013).	4.78
2.	S. DE VALENCE, J.-C. TILLE, J.-P. GILIBERTO, W. MROWCZYNSKI, R. GURNY, M. MOELLER, B. H. WALPOTH : “Optimising vascular graft micro-architecture to improve surgical applicability and tissue regeneration”. <i>Cardiovascular Pathology</i> 01/2013; 22(3):e43–e44	2.35
3.	B. H. WALPOTH, D. MUGNAI, S. DE VALENCE, W. MROWCZYNSKI, J.-C. TILLE, X. MONTET, R. GURNY, A. KALANGOS, M. MOELLER : “Comparison of synthetic small-calibre biodegradable vs. stable ePTFE vascular prosthesis after long-term implantation in the rat aorta”. <i>Cardiovascular Pathology</i> 01/2013; 22(3):e50–e51	2.35
4.	S. DE VALENCE, J.-C. TILLE, C. CHAABANE, R. GURNY, M.-L. BOCHATON-PIALLAT, B. H. WALPOTH, M. MOELLER : “Plasma treatment for improving cell biocompatibility of a biodegradable polymer scaffold for vascular graft applications” <i>European Journal of Pharmaceutics and Biopharmaceutics</i> 85 (2013) 78–86	3.82
5.	D. MUGNAI, J.-C. TILLE, W. MROWCZYNSKI, S. DE VALENCE, X. MONTET, M. MOELLER, B.H. WALPOTH : “Experimental noninferiority trial of synthetic small-caliber biodegradable versus stable vascular grafts”. <i>J Thorac Cardiovasc Surg.</i> 2013 Aug;146(2):400-7.e1	3.52
6.	W. MROWCZYNSKI, D. MUGNAI, S. DE VALENCE, J.-C. TILLE, E. KHABIRI, M. CIKIRIKCIOGLU, M. MOELLER, B.H. WALPOTH : “Porcine carotid artery replacement with biodegradable electrospun poly-ε-caprolactone vascular prosthesis”, <i>J Vasc Surg.</i> , 2013 May 24. pii: S0741-5214(13)00561-2	2.87
7.	A. O. KASIMOVA, G. M. PAVAN, A. DANANI, K. MONDON, A. CHRISTIANI, L. SCAPOZZA, R. GURNY, M. MOELLER : “Validation of a Novel Molecular Dynamics Simulation Approach for Lipophilic Drug Incorporation into Polymer Micelles (in <i>Polymer and Colloid Highlights</i>)”. <i>CHIMIA</i> , 2013, 67, No. ½ (IF: no data for 2013)	1.09

8. M. VEURINK, L. ASMUS, M. HENNIG, B. KAUFMANN, L. BAGNEWSKI, A. HEILIGENHAUS, E. MENDRINOS, C.J. POURNARAS, R. GURNY, M. MOELLER : "Design and in vitro assessment of L-lactic acid-based copolymers as prodrug and carrier for intravitreal sustained L-lactate release to reverse retinal arteriolar occlusions". *European Journal of Pharmaceutical Sciences* 49 (2013) 233–240 2.98
9. L.R. ASMUS, J.-C. TILLE, B. KAUFMANN, L. MELANDER, T. WEISS, K. VESSMAN, W. KOEHLING, G. SCHWACH, R. GURNY, M. MOELLER : "In vivo biocompatibility, sustained-release and stability of triptorelin formulations based on a liquid, degradable polymer". *Journal of Controlled Release* 165 (2013) 199–206 7.26
10. O. S. SAKR, G. BORCHARD : "Encapsulation of Enzymes in Layer-by-Layer (LbL) structures: Latest Advances and Applications." *Biomacromolecules*. 14 (7), pp 2117-2135 (2013) 5.37
11. V. PATRULEA, A. NEGRULESCU, M. M. MINCEA, L. D. PITULICE, O. BIZERIA SPIRIDON, V. OSTAFE : "Optimization of the Removal of Copper(II) Ions from Aqueous Solution on Chitosan and Cross-Linked Chitosan Beads." *BioResources Journal*, 8(1), 1147-1165, ISSN: 1842 – 3582, (2013) 1.30
12. M. MINCEA, V. PATRULEA, A. NEGRULESCU, R. SZABO, V. OSTAFE : "Adsorption of Three Commercial Dyes onto Chitosan Beads Using Spectrophotometric Determination and a Multivariate Calibration Method." *Journal of Water Resource and Protection*, 5, 446-457, 10.4236/jwarp.2013.54044 0.26
13. A. NEGRULESCU, V. PATRULEA, M. MINCEA, C. MORARU, V. OSTAFE : "The adsorption of tartrazine, congo red and methyl orange on chitosan beads." *Digest Journal of Nanomaterials and Biostructures*, 9(1), 45 – 52, (2014) 1.09
14. C. DUBUIS, L. MAY, F. ALONSO, L. LUCA, I. MYLONAKI, P. MEDA, F. DELIE, O. JORDAN, S. DEGLISE, JM. CORPATAUX, F. SAUCY, J-A. HAEFLIGER : Atorvastatin-loaded hydrogel affects the smooth muscle cells of human veins. *J Pharmacol Exp Ther* 347:574-81 (2013) 3.89
15. S. HEUKING, B. ROTHEN-RUTISHAUSER, D.O. RAEMY, P. GEHR, G. BORCHARD : "Fate of TLR-2 agonist functionalized pDNA nanocarriers upon deposition at the bronchial epithelium *in vitro*." *J. Nanobiotech*. 11 (2013) 29. 3.87
16. S. JESUS, G. BORCHARD, O. BORGES : "Freeze dried Chitosan/PCL and PCL nanoparticles: potential as DNA and antigen delivery systems for mucosal vaccination." *J. Genet. Syndr. Gene Ther.* 4 (2013) 164. 5.89
17. D. BENTO, G. BORCHARD, T. GONCALVES, O. BORGES : "Validation of a new 96-well plate spectrophotometric method for the quantification of compound 48/80 associated with particles." *AAPS Pharm PharmSciTech* (2013) 649-655. 1.58
18. G. VACHER, M. KAESER, C. MOSER, R. GURNY, G. BORCHARD : "Potential of virus-like particles and virosome-based vaccines in mucosal immunization." *Mol. Pharm.* 10 (2013) 1596-1609. 4.57
19. S. STEGEMANN, S. KOPP, G. BORCHARD, V. SHAH, S. SENEL, R. DUBEY, N. URBANETZ, M. CITITTERO, A. SCHOUBBEN, C. HIPPCHEM, D. CADE, A. FUGELANG, J. MORAIS, L. BORGSTRÖM, F. FARSHI, K.-H. SEYFANG, A. VAN DE PUTTE, I. KLEBOVICH, A. HINCAL "Towards enhanced therapeutics in dry powder inhalation." *Eur. J. Pharm. Sci.* 48 (2013) 181–194. 3.41

1.2 BOOK OR BOOKS CHAPTERS

1. O. S. SAKR, O. JORDAN, G. BORCHARD. "Delivery of siRNA-Based Therapeutics" in *Encyclopedia of Biomedical Polymers and Polymeric Biomaterials*. Taylor and Francis Group, New York, NY 10017. (In print)

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. J. POECHEIM, N. BENNANI ZIATNI, G. BORCHARD
 "Nanocarriers for DNA vaccination: Simultaneous TLR9 and NLR2 stimulation leads to synergistic enhancement of pro-inflammatory cytokine release from murine macrophages"
 Fourth International Conference: Modern Vaccines/Adjuvants Formulation
 May 15-17, 2013, CHUV Lausanne (Switzerland)

2. [P. E. BIZE, O. JORDAN, K. FUCHS, O. DORMOND, R. DURAN, E. DOELKER, T. DE BAERE, A. DENYS](#)
"In vitro and in vivo characterization of sunitinib-eluting beads" American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium - January 24-26, 2013, San Francisco, CA (US)
3. [P. E. BIZE, O. JORDAN, K. FUCHS, O. DORMOND, R. DURAN, E. DOELKER, T. DE BAERE, A. DENYS](#)
"Evaluation of the anti-tumoral effect of sunitinib-eluting beads in the VX2 liver tumour model of the rabbit". American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium - January 24-26, 2013, San Francisco, CA (US)
4. [O. S. SAKR, G. BORCHARD.](#)
"Double Chambered LbL Nanoparticles as a Novel Intracellular Delivery System". 6th Swiss Pharma Science Day. Bern, Switzerland (2013)
5. [S. MUNIER, S. RAGUPATHY, G. BORCHARD.](#)
"TLR2 ligation with peptidoglycan attenuates the airway epithelial barrier disruption induced by pro-inflammatory cytokines". 6th Swiss Pharma Science Day - August 28, Bern (Switzerland)
6. [A. HANSSON, O. JORDAN, P. ROUSSELLE, G. BORCHARD.](#)
RGD-functionalized chitosan nanoparticles for directed tissue engineering. 25th European conference on biomaterials, Madrid, Spain, Sept 8-12, 2013
7. [M. MOHAMED, V. BERNAU, H. HOFMANN, G. THALMANN, G. BORCHARD, O. JORDAN.](#)
In situ forming implants for local thermo-therapy of bone tumors. 25th European conference on biomaterials, Madrid, Spain, Sept 8-12, 2013
8. [G. AGUSTI, O. JORDAN, G. ANDERSEN, E. DOELKER, Y. CHEVALIER.](#)
Radiopaque iodinated ethers of poly (vinyl alcohol) for biomedical applications: Synthesis and evaluation for endovascular embolization. 25th European conference on biomaterials, - Madrid, Spain, Sept 8-12, 2013
9. [O. JORDAN, M. PUSTAZERI, E. DOELKER, A. CAVIEZEL, C. ISELIN.](#)
Urethral tissue augmentation: 1-year evaluation of precipitable polymeric solutions and microsphere suspensions. 25th European conference on biomaterials - Madrid, Spain, Sept 8-12, 2013
10. [S. KADERLI, C. BOULOCHER, E. PILLET, D. WATRELOT-VIRIEUX, R. GURNY, L. SCAPOZZA, T. ROGER, E. VIGUIER, O. JORDAN.](#)
Novel biocompatible hyaluronic acid-chitosan hybrid hydrogel for osteoarthritis therapy. 25th European conference on biomaterials, Madrid, Spain, Sept 8-12, 2013
11. [M. KANNUNA, M. MOHAMED, G. BORCHARD, O. JORDAN.](#)
Establishment of a treatment protocol for the combination of doxorubicin or methotrexate and mild hyperthermia – an in vitro study. 6th Swiss Pharma Science Day, Bern, Switzerland, Aug 28, 2013
12. [S. KADERLI, C. BOULOCHER, E. PILLET, D. WATRELOT-VIRIEUX, R. GURNY, L. SCAPOZZA, T. ROGER, E. VIGUIER, O. JORDAN.](#)
Novel biocompatible hyaluronic acid-chitosan hybrid hydrogel for osteoarthritis therapy. . 6th Swiss Pharma Science Day, Bern, Switzerland, Aug 28, 2013
13. [M. MOHAMED, V. BERNAU, H. HOFMANN, G. THALMANN, G. BORCHARD, O. JORDAN.](#)
In situ forming implants for local thermo-therapy of bone tumors. European CLINAM & ETPN summit, Basel, Switzerland, June 23-26, 2013
14. [C. REICHERT, G. BORCHARD](#)
"Enhanced protein stability by non-covalent PEGylation" 6th Swiss Pharma Science Day - August 28 2013, Bern
15. [C. REICHERT, G. BORCHARD](#)
"Novel approach to non-covalent protein PEGylation" AAPS National Biotech Conference - May 20-22 2013, San Diego, CA, USA
16. [G. BORCHARD, B. FLÜHMANN, S. MÜHLEBACH](#)
"Non-biological complex drugs (NBCD) need a similar regulatory approach." AAPS Annual Meeting and Exposition - November 10-14, 2013, San Antonio, TX, USA

17. G. BORCHARD, J.B. ROTTEMBOURG, B. FLÜHMANN, S. MÜHLEBACH
Non-biological complex drugs and their regulatory approach - of concern for the hospital pharmacist and medication management? 18th European Association of Hospital Pharmacists (EAHP) - March 13-15 2013, Paris, France

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. P. E. BIZE, K. FUCHS, O. JORDAN, O. DORMOND, R. DURAN, E. DOELKER, T. DE BAERE, A. DENYS
"Evaluation of the anti-tumoral effect of 70-150 µm sunitinib eluting beads in VX2 carrying rabbits"
2013 Society of Interventional Radiology (SIR) 38th Annual Scientific Meeting - April 13-18, 2013, New Orleans, LA (US)
2. O. JORDAN
"Superparamagnetic iron oxide nanoparticles for local thermotherapy: Potential and limitations."
COST TD 1004 annual meeting, - Athens, Greece, September 1-3, 2013
3. O. JORDAN
"Magnetically induced hyperthermia for tumor treatment." Competence Center for Material Science and Technology (CCMX) winter school - Kandersteg, Switzerland, January 13-18, 2013
4. O. JORDAN
"An introduction to nanopharmaceuticals." Competence Center for Material Science and Technology (CCMX) winter school - Kandersteg, Switzerland, January 13-18, 2013
5. C. REICHERT
"A novel approach to non-covalent PEGylation". Meeting between the Galenic groups Basel Genève Zürich - Geneva, Switzerland, July 1, 2013
6. G. BORCHARD
"TLR ligand functionalized nanocarriers to enhance immunogenicity of vaccines."
Vall d'Hebron Institut de Recerca (VHIR) - Barcelona, Spain, November 5, 2013
7. GERRIT BORCHARD
Measuring complexity – characterization of non-biological complex drug and regulatory consequences. 1st Asia Pacific Educational Workshop on Non-Biological Complex Drugs - Kuala Lumpur, Malaysia, - October 8, 2013.
8. GERRIT BORCHARD
"Developing a Ph. Eur. monograph for non-biological complex drugs: what do we need to know?" Current Challenges Facing Inorganic Nanoparticle in Medicine and Industry conference - Bern, Switzerland, September 27-28, 2013.
9. GERRIT BORCHARD
"Similarity in complexity: a fresh view on non-biological complex drugs." - University "G. d'Annunzio"- Chieti, Italy, July 18, 2013.
10. GERRIT BORCHARD
"How to publish a world-class paper" - Author workshop - University of Tallinn, Estonia, May 8, 2013.
11. GERRIT BORCHARD
"The EDQM and the European Pharmacopoeia." - EUFEPS Workshop on Complex Systems: Science Serving Clinical Needs - Amsterdam, The Netherlands, March 4, 2013.
12. GERRIT BORCHARD
"Publishing policies." - Viral Entry International Training Network Meeting - Greifensee, Switzerland, January 13-15, 2013.

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. GERRIT BORCHARD
"The 500-pound gorilla - Leadership in academia and industry. Symposium on career opportunities."
University of Marburg, Germany, October 11, 2013.

LIFE SCIENCES MASS SPECTROMETRY



PROFESSOR

G rard HOPFGARTNER

MER

Emmanuel VARESIO

1.1 Scientific publications (with impact factor)	2
1.2 Scientific publications (without impact factor)	1
2.1 Posters presentations	19
3.1 Congresses & Symposia	8
3.2 Continuing education & open to the public lectures	1
4.1 Thesis Presented (intra-muros)	2
4.2 Thesis Jury	3

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

TRAC	6.35
Anal.Chem.	5.69
J.Chromatogr. A	4.61
Anal.Bioanal. Chem.	3.65
J.Am.Soc.Mass Spectrom.	3.59
J.Mass Spectrom.	3.21
J.Chromatogr.B	2.90

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1. G. HOPFGARTNER, A. LESUR, E. VARESIO : "Analysis of Biopharmaceutical Proteins in Biological Matrices by LC-MS/MS part II. LC-MS/MS Analysis", TRAC-Trends Analytical Chemistry 48, (2013), 52-61 6.35
2. T. PORTA, E. VARESIO, G. HOPFGARTNER : "Gas-Phase Separation of Drugs and Metabolites Using Modifier-Assisted Differential Ion Mobility Spectrometry Hyphenated to Liquid Extraction Surface Analysis and Mass Spectrometry", Anal Chem 85, no. 24 (2013), 11771-9 5.69

1.2 SCIENTIFIC PUBLICATIONS (WITHOUT IMPACT FACTOR)

1. G. HOPFGARTNER, T. PORTA, L.-A. LEUTHOLD, E. VARESIO : "Imagerie par spectrom trie de masse pour la d tection de produits stup fiants", L'Actualit  chimique, Octobre – Novembre 2013, n 378-379, 94-99

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. B. FLINDERS, T. PORTA, E. VARESIO, G. HOPFGARTNER, R.M.A. HEEREN
"Assessment of decontamination protocols on the analysis of hair by multi-modal mass spectrometry imaging", 61th ASMS conference on Mass Spectrometry and Allied topics at the Conventional Center of Minneapolis, USA, 9-13 June 2013

2. B. ALGHANEM, D. BOTTINELLI, Y. ZHANG, A. BILBAO, F. NIKITIN, M. MÜLLER, L. LISACEK, J.-S. LUBAN, C. De CASTILLIA, E. VAREGIO, G. HOPFGARTNER
"Selectivity and Sensitivity Evaluation in Peptide Quantification by using LC-SRM3 and LC-Differential Ion Mobility Spectrometry Approaches", 4th Annual Scientific Forum, Riyadh, Saudi Arabia, 12-13 November 2013
3. B. ALGHANEM, D. BOTTINELLI, Y. ZHANG, A. BILBAO, F. NIKITIN, M. MÜLLER, L. LISACEK, J.S. LUBAN, C. De CASTILLIA, E. VAREGIO, G. HOPFGARTNER
"Selectivity and Sensitivity Evaluation in Peptide Quantification by using LC-SRM3 and LC-Differential Ion Mobility Spectrometry Approaches", CHanalysis 2013, Beatenberg, 29-30 November 2013
4. B. ALGHANEM, A. BILBAO, Y. ZHANG, D. BOTTINELLI, F. NIKITIN, M. MÜLLER, L. LISACEK, J.S. LUBAN, C. De CASTILLIA, E. VAREGIO, G. HOPFGARTNER
"Selectivity and Sensitivity Evaluation in Peptide Quantification by using LC-SRM3 and LC-Differential Ion Mobility Spectrometry", Swiss Chemical Society Fall Meeting 2013, Lausanne, Switzerland, September 6, 2013
5. B. ALGHANEM, D. BOTTINELLI, Y. ZHANG, A. BILBAO, F. NIKITIN, M. MÜLLER, L. LISACEK, J.S. LUBAN, C. De CASTILLIA, E. VAREGIO, G. HOPFGARTNER
"Selectivity and Sensitivity Evaluation in Peptide Quantification by using LC-SRM3 and LC-Differential Ion Mobility Spectrometry Approaches", 61th ASMS conference on Mass Spectrometry and Allied topics at the Conventional Center of Minneapolis, USA, 9-13 June 2013
6. G. HOPFGARTNER, A. KOTIKANYADANAM RAGHAVAN, E. VAREGIO, E. DUCHOSLAV, L. BURTON, R. BONNER
"Development of Bioinformatics Tools towards the Automated Structural Elucidation of Unknowns from MS/MS Spectra", All SystemsX Day's 2013, Paul Klee Zentrum Bern, May 13, 2013
7. J. SIDIBE, E. VAREGIO, G. HOPFGARTNER
"Quantification of the endogenous peptide ghrelin in human plasma by LC-SRM/MS and LC-SRM3/MS", Amsterdam 16 – 20 June 2013
8. Y. ZHANG, D. BOTTINELLI, A. BILBAO, B. ALGHANEM, F. NIKITIN, M. MÜLLER, L. LISACEK, J.S. LUBAN, C. De CASTILLIA, E. VAREGIO, G. HOPFGARTNER
"Increasing peptide identification by mass spectrometry-friendly sample preparation and enhanced LC-MS/MS acquisition", CHanalysis 2013, Beatenberg, 29-30 November 2013
9. K. WATANABE, E. VAREGIO, G. HOPFGARTNER : "Quantification of the endogenous peptide ghrelin in human plasma by LC-SRM/MS and LC-SRM3/MS", CHanalysis 2013, Beatenberg, 29-30 November 2013
10. A. BILBAO, Y. ZHANG, D. BOTTINELLI, B. ALGHANEM, F. NIKITIN, J.S. LUBAN, C. De CASTILLIA, M. MÜLLER, L. LISACEK, E. VAREGIO, G. HOPFGARTNER
"Combining Demultiplexing and Label-free Quantification for High-resolution Data-independent Acquisition LC-MS/MS Analyses", 61th ASMS conference on Mass Spectrometry and Allied topics at the Conventional Center of Minneapolis, USA, 9-13 June 2013
11. G. HOPFGARTNER, E. VAREGIO, K.R. ABHINANDAN, E. DUCHOSAL, L. BURTON, R. BONNER
Towards a Workflow for the Automated Structural Elucidation of Unknowns from MS/MS Spectra", 61th ASMS conference on Mass Spectrometry and Allied topics at the Conventional Center of Minneapolis, USA, 9-13 June 2013
12. A. BILBAO, Y. ZHANG, D. BOTTINELLI, B. ALGHANEM, F. NIKITIN, J.S. LUBAN, C. De CASTILLIA, M. MÜLLER L. LISACEK, E. VAREGIO, G. HOPFGARTNER
"Combining Demultiplexing and Label-free Quantification for High-resolution Data-independent Acquisition LC-MS/MS Analyses", Swiss Chemical Society Fall Meeting 2013, Lausanne, Switzerland, September 6, 2013
13. K. WATANABE, E. VAREGIO, G. HOPFGARTNER
"Parallel Ultra High Pressure Liquid Chromatography - Mass Spectrometry for the Quantification of HIV Protease Inhibitors using Dried Spot Sample Collection Format", CHanalysis 2013, Beatenberg, 29-30 November 2013
14. K. WATANABE, E. VAREGIO, N. LOFTUS, G. HOPFGARTNER
"Micro Ultra High Pressure Liquid Chromatography-Mass Spectrometry for the Quantification of Pharmaceuticals using Dried Blood Spot Sample Collection Format", HPLC2013, Amsterdam, The Netherlands, June 16 - 20, 2013

15. K. WATANABE, E. VAREGIO, G. HOPFGARTNER
"Parallel Ultra High Pressure Liquid Chromatography - Mass Spectrometry for the Quantification of HIV Protease Inhibitors using Dried Spot Sample Collection Format", 40th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Hobart, Tasmania, Australia, 18 - 21 November 2013
16. K. WATANABE, E. VAREGIO, N. LOFTUS, G. HOPFGARTNER
"Parallel-Micro Liquid Chromatography - Mass Spectrometry for the Quantification of Pharmaceuticals using Dried Blood Spot Tube-based Sample Collection Format", 61th ASMS conference on Mass Spectrometry and Allied topics at the Conventional Center of Minneapolis, USA, 9-13 June 2013
17. Y. ZHANG, D. BOTTINELLI, Y. BILBAO, B. ALGHANEM, F. NIKITIN, M. MÜLLER, L. LISACEK, J.S. LUBAN, C. De CASTILLIA, E. VAREGIO, G. HOPFGARTNER
"Enhancing Peptide Identification by Combining an Efficient Protein Extraction Procedure with Dynamic Inclusion/Exclusion Lists in Data-Dependent LC-MS/MS Acquisition Mode", 61th ASMS conference on Mass Spectrometry and Allied topics at the Conventional Center of Minneapolis, USA, 9-13 June 2013
18. T. BRUDERER, E. VAREGIO, G. HOPFGARTNER
"In-silico screening for comedication metabolite interferences in quantitative LC-SRM/MS", Swiss Chemical Society Fall - Meeting 2013, Lausanne, Switzerland, September 6, 2013
19. Y. ZHANG, D. BOTTINELLI, A. BILBAO, B. ALGHANEM, F. NIKITIN, M. MÜLLER, L. LISACEK, J.S. LUBAN, C. De CASTILLIA, E. VAREGIO, G. HOPFGARTNER
"Increasing peptide identification by mass spectrometry-friendly sample preparation and enhanced LC-MS/MS acquisition", Swiss Chemical Society Fall Meeting 2013, Lausanne, Switzerland, September 6, 2013

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. T. PORTA, E. VAREGIO, G. HOPFGARTNER
"Gas-phase separation of drugs of abuse and their metabolites from tissue sections by differential ion mobility spectrometry", 39th International Symposium on High-Performance-Liquid-Phase Separations and Related Techniques, Amsterdam, The Netherlands, June, 2013
2. T. PORTA, E. VAREGIO, G. HOPFGARTNER
"Gas-phase separation of Drugs and Metabolites using Modifier-Assisted Differential Ion Mobility Spectrometry after Liquid Extraction Surface Analysis", 61th ASMS conference on Mass Spectrometry and Allied topics at the Conventional Center of Minneapolis, MN, USA, June, 2013
3. T. PORTA, B. FLINDERS, E. VAREGIO, M.A. HEEREN, G. HOPFGARTNER
"Multimodal analysis of cocaine in hair by fast acquisition MALDI-SRM and high resolution ToF-SIMS imaging", COST BM1104 – Workshop on "Emerging technologies and multimodal imaging", Vienna University of Technology, Vienna, Austria, February, 2013
4. B. ALGHANEM, D. BOTTINELLI, Y. ZHANG, A. BILBAO, F. NIKITIN, M. MÜLLER, L. LISACEK, J.S. LUBAN, C. De CASTILLIA, E. VAREGIO, G. HOPFGARTNER
"Selectivity and Sensitivity Evaluation in Peptide Quantification by using LC-SRM3 and LC-Differential Ion Mobility Spectrometry Approaches", 4th Annual Scientific Forum, Riyad, Saudi Arabia, 12-13 November 2013
5. G. HOPFGARTNER, T. PORTA, K. WATANABE, E. VAREGIO
"Novel Approaches to Toxicology: Mass Spectrometry Based Methodologies." In TIAFT 50th. London, Great Britain, 2013
6. G. HOPFGARTNER, E. VAREGIO
"Multidimensionale Massenspektrometrie Für Qualitative Und Quantitative Untersuchungen Von Komplexen Biologischen Proben." In 5. Berliner LC/MS/MS Symposium. Berlin, Germany, 2013
7. G. HOPFGARTNER, E. VAREGIO
"Data Independent Acquisition LC-MS/MS for Drug Metabolism and Metabolomics", 40th International Symposium on High Performance Liquid Phase Separations and Related Techniques. Hobart, Tasmania, 2013

8. G. HOPFGARTNER, E. VAREGIO
"Interfacing Liquid Chromatography with Mass Spectrometry: From Zero Plate Chromatography to Multidimensional Approaches.", 39th International Symposium on High Performance Liquid Phase Separations and Related Techniques: Amsterdam, The Netherlands, 2013

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. G. HOPFGARTNER
Short Course : HPLC2013 Amsterdam – One-day Short Course LC-MS - Amsterdam, June 16th, 2013

4. THESIS PRESENTED

4.1. INTRA-MUROS THESIS

1. Tatjana SAJIC
"Analytical proteomics by liquid chromatography tandem mass spectrometry in obesity and diabetes research"
Thesis N° 4549
Directors : G. HOPFGARTNER, D. CARPENTIER (Faculty of medicine), E. VAREGIO
Faculté des sciences, Université de Genève, 25 February 2013
2. Tiffany PORTA
"Multimodal molecular mass spectrometry imaging – Development and applications in plant biology and forensic toxicology"
Thesis N° 4634
Directors : G. HOPFGARTNER, E. VAREGIO
Faculté des sciences, Université de Genève, 30 August 2013

4.2. THESIS JURY

1. G. HOPFGARTNER, M. BOI : "Genomic Profiling of Anaplastic Large Cell Lymphoma, Geneva, 29 July 2013
2. G. HOPFGARTNER, L. LAUCIELLO : "From compound to target: chemical proteomics and in silico screening for target identification in Plasmodium falciparum", Geneva, 11 February 2013
3. G. HOPFGARTNER, H. M. I. HAMED, "Role of oxidative stress and calcium regulation in Duchenne muscular dystrophy: Pharmacological investigations", Geneva, 24 October 2013

PHARMACEUTICAL ANALYTICAL CHEMISTRY



ORDINARY PROFESSOR

Jean-Luc VEUTHEY

PROFESSOR ASSOCIATE

Serge RUDAZ

1.1 Scientific publications (with impact factor)	37
1.2 Scientific publications (without impact factor)	4
1.4 Book or book chapters	3
2.1 Posters presentations	28
3.1 Congresses & Symposia	28
3.2 Continuing education & open to the public lectures	19
4.1 Thesis Presented (intra-muros)	1
4.2 Thesis Presented (extra-muros)	1
4.3 Thesis Jury	5

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

Trac-Trend Anal Chem	6.35
Anal Chem	5.69
J. Chromatogr A	4.61
Anal Chim Acta	4.38
Analyst	3.96
Anal Bioanal Chem	3.65
J. Am Soc Mass Spectr	3.59
Talanta	3.49
Electrophoresis	3.26
Bioanalyst	3.25

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

- M. RODRIGUEZ-ALLER, D. GUILLARME, M. EL SANHARAWI, F. BEHAR-COHEN, J.-L. VEUTHEY, R. GURNY, In vivo distribution and ex vivo permeation of cyclosporine A prodrug aqueous formulations for ocular application, *Journal of Controlled Release*, 170, 153-159 (2013) 7.63
- K. VUIGNIER, J.-L. VEUTHEY, P.-A. CARRUPT, J. SCHAPPLER, Global analytical strategy to measure drug-plasma protein interactions: from high-throughput to in-depth analysis, *Drug Discovery Today*, 18, 21-22 (2013) 6.55
- CH. GOURMEL, A. GRAND-GUILLAUME-PERRENOUD, L. WALLER, E. REGINATO, J. VERNE, B. DULERY, J.-L. VEUTHEY, S. RUDAZ, J. SCHAPPLER, D. GUILLARME, Evaluation and comparison of various separation techniques for the analysis of closely-related compounds of pharmaceutical interest, *J. Chromatogr. A*, 1282, 172-177 (2013) 4.61
- A. PERIAT, B. DEBRUS, S. RUDAZ, D. GUILLARME, Screening of the most relevant parameters for method development in ultra-high performance hydrophilic interaction chromatography, *J. Chromatogr. A*, 1282, 72-83 (2013) 4.61
- M. RODRIGUEZ-ALLER, R. GURNY, J.-L. VEUTHEY, D. GUILLARME, Coupling ultra high-pressure liquid chromatography with mass spectrometry: Constraints and possible applications, *J. Chromatogr. A*, 1292, 2-18 (2013) 4.61

6.	G. MARTI, M. ERB, J. BOCCARD, G. GLAUSER, G. DOYEN, N. VILLARD, C. ROBERT, T. TURLINGS, S. RUDAZ, J.-L. WOLFENDER, Metabolomics reveals herbivore-induced metabolites of resistance and susceptibility in maize leaves and roots, <i>Plant, Cell & Environment</i> , 36, 621-639 (2013)	5.13
7.	D. SPAGGIARI, S. FEKETE, P. EUGSTER, J.-L. VEUTHEY, L. GEISER, S. RUDAZ, D. GUILLARME, Contribution of various types of liquid chromatography-mass spectrometry instruments to band broadening in fast analysis, <i>J. Chromatogr. A</i> , 1310, 45-55 (2013)	4.61
8.	A. PERIAT, J. BOCCARD, J.-L. VEUTHEY, S. RUDAZ, D. GUILLARME, Systematic comparison of sensitivity between hydrophilic interaction liquid chromatography and reversed phase liquid chromatography coupled with mass spectrometry, <i>J. Chromatogr. A</i> , 1312, 49-57 (2013)	4.61
9.	S. FEKETE, D. GUILLARME, Possibilities of new generation columns packed with 1.3um core-shell particles in gradient elution mode, <i>J. Chromatogr. A</i> , 1320, 86-96 (2013)	4.61
10.	S. FEKETE, D. GUILLARME, Kinetic evaluation of new generation of column packed with 1.3 um, <i>J. Chromatogr. A</i> , 1308, 104-113 (2013)	4.61
11.	A. CARL SANCHEZ, G. FRIEDLANDER, S. FEKETE, J. ANSPACH, D. GUILLARME, M. CHITTY, T. FARKAS, Pushing the performance limits of reversed-phase ultra high performance liquid chromatography with 1.3 um core shell particles, <i>J. Chromatogr. A</i> , 1311, 90-97 (2013)	4.61
12.	S. FEKETE, K. HORVATH, D. GUILLARME, Influence of pressure and temperature on molar volume and retention, <i>J. Chromatogr. A</i> , 1311, 65-71 (2013)	4.61
13.	A. GRAND-GUILLAUME-PERRENOUD, C. HAMMAN, M. GOEL, J.-L. VEUTHEY, D. GUILLARME, S. FEKETE, Maximizing kinetic performance in supercritical fluid, using state-of-the-art instruments. <i>J. Chromatogr. A</i> , 1314, 288-297 (2013)	4.61
14.	I. KOHLER, J. SCHAPPLER, S. RUDAZ, Highly sensitive capillary electrophoresis-mass spectrometry for rapid screening and accurate quantitation of drugs of abuse in urine, <i>Anal. Chim. Acta</i> , 780, 101-109 (2013)	4.38
15.	S. COUTU, L. ROSSI, D.A. BARRY, S. RUDAZ, N. VERNAZ, Temporal Variability of Antibiotics Fluxes in Wastewater and Contribution from Hospitals, <i>Plos One</i> , 8, e53593 (2013)	3.73
16.	I. KOHLER, J. SCHAPPLER, S. RUDAZ, Microextraction techniques combined with capillary electrophoresis in bioanalysis, <i>Anal Bioanal Chem</i> , 405, 125-141 (2013)	3.65
17.	S. FEKETE, J.-L. VEUTHEY, S. EELTINK, D. GUILLARME, Comparative study of recent wide-pore materials of different stationary phase morphology, applied for the reversed-phase analysis of recombinant monoclonal antibodies, <i>Anal Bioanal Chemistry</i> , 405, 3137-3151 (2013)	3.65
18.	F. MEHL, G. MARTI, J. BOCCARD, B. DEBRUS, P. MERLE, E. DELORT, L. BAROUX, V. RAYMO, M.I. VELAZCO, H. SOMMERM J.-L. WOLFENDER, S. RUDAZ, Differentiation of lemon essential oil based on volatile and non-volatile fractions with various analytical techniques: a metabolomic approach, <i>Food Chemistry</i> , 143, 325-335 (2013)	3.33
19.	N. MARSOUSI, V. ANCRENAZ, Y. DAALI, S. RUDAZ, C. SAMER, J. DESMEULES, Influence of genetic polymorphisms on the response variability to opioids, <i>Douleur analg.</i> , 26, 203-208 (2013)	0.09
20.	A.-L. GASSNER, S. RUDAZ, J. SCHAPPLER, Static coating for the analysis of intact monoclonal antibody drugs by capillary zone electrophoresis, <i>Electrophoresis</i> , 34, 2718-2724 (2013)	3.26
21.	K. VUIGNIER, D. GUILLARME, J.-L. VEUTHEY, P.-A. CARRUPT, J. SCHAPPLER, High performance affinity chromatography (HPAC) as a high-throughput screening tool in drug discovery to study drug-plasma protein interactions, <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 74, 205-212 (2013)	2.94
22.	I. KOHLER, J. SCHAPPLER, T. SIERRA, S. RUDAZ, Dispersive liquid-liquid microextraction combined with capillary electrophoresis and time-of-flight mass spectrometry for urine analysis, <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 73, 82-89 (2013)	2.94
23.	B. DEBRUS, D. GUILLARME, S. RUDAZ, Improved quality-by-design compliant methodology for method development in reversed-phase liquid chromatography, <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 84, 215-223 (2013)	2.94
24.	S. FEKETE, M. W. DONG, T. ZHANG, D. GUILLARME, High resolution reversed phase analysis of recombinant monoclonal antibodies by ultra-high pressure liquid chromatography column coupling, <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 83, 273-278 (2013)	2.94
25.	K. VUIGNIER, S. FEKETE, P.-A. CARRUPT, J.-L. VEUTHEY, D. GUILLARME, Comparison of various silica-based monoliths for the analysis of large biomolecules, <i>Journal of Separation Science</i> , 36, 2231-2243 (2013)	2.59
26.	D. GUILLARME. What you need to know about HILIC, <i>LC-GN North America</i> , 31, 560-563 (2013)	0.52

27. A. PERIAT, A. GRAND-GUILLAUME-PERRENOUD, D. GUILLARME, Evaluation of various chromatographic approaches for the retention of hydrophilic compounds and MS compatibility, *Journal of Separation Science*, 36, 3141-3151 (2013) 2.59
28. K. VUIGNIER, J.L. VEUTHEY, P.-A. CARRUPT, J. SCHAPPLER, Highlights of Analytical Sciences in Switzerland, *Chimia*, 67 N° 10, 739 (2013) 1.04
29. A. PERIAT, I. KOHLER, J.-L. VEUTHEY, D. GUILLARME, Advances in Hydrophilic Interaction Liquid Chromatography for Pharmaceutical Analysis, LCGC Europe, May 2013, 17-23 (2013) 0.86
30. B. DEBRUS, P. LEBRUN. E. ROZET, T. SCHOFIELD, R.D. MARINI, S. RUDAZ, B. BOULANGER, PH. HUBERT, A New method for Quality-by-Design Robust Optimizations in Liquid Chromatography, *LC-GC Europe*, 26, 370-377 (2013) 0.86
31. T. BORTOLOTTI, D. GUILLARME, D. GUTEMBERG, J.-L. VEUTHEY, I. KREJCI, Composite resin vs resin cement for luting of indirect restorations: Comparison of solubility and shrinkage behavior, *Dental Materials Journal*, 32(5), 834-838 (2013) 0.80
32. D. GUILLARME, J.-L. VEUTHEY, Editorial for the special issue entitled "State-of-the-art of (UHP)LC-MS(-MS) techniques and their practical application. *J. Chromatogr A*, 1292, 1- (2013) 4.61
33. S. FEKETE, A.-L. GASSNER, S. RUDAZ, J. SCHAPPLER, D. GUILLARME, Analytical strategies for the characterization of therapeutic monoclonal antibodies, *Trends in Analytical Chemistry*, 42, 74-83 (2013) 6.35
34. S. FEKETE, K. GANZLER, D. GUILLARME, Critical evaluation of fast size exclusion chromatographic separations of protein aggregates, applying sub-2µm particles, *Journal of Pharmaceutical and Biomedical Analysis*, 78-79, 141-149 (2013) 2.94
35. J. BROSEUS, B. DEBRUS, O. DELEMONT, S. RUDAZ, P. ESSEIVA, Study of common database feeding with results coming from different analytical methods in the framework of illicit drugs chemical profiling, *Forensic Science International*, 230, 16-28, (2013) 2.43
36. I. CONSTANTIN, G. ZELGER, A. PAROZ, P. FURRER, S. RUDAZ, C. MESSEILLER, Development of Misoprostol Suppositories for Postpartum Hemorrhage, *Pharmacology & Pharmacy*, 4, 71-76 (2013) 2.03
37. J.-L. WOLFENDER, S. RUDAZ, Y.H. CHOI, H.K. KIM, Plant Metabolomics: From Holistic Data to Relevant Biomarkers, *Current Medicinal Chemistry*, 20, 1056-1090 (2013) 4.07

1.2 SCIENTIFIC PUBLICATIONS (WITHOUT IMPACT FACTOR)

1. I. FRANCOIS, D. GUILLARME, E. LESELLIER. Three Gurus of Supercritical fluid chromatography. *Analytical scientist*, 9 (2013)
2. S. RUDAZ, L. RAMOS. Fail to Prepare, Prepare to Fail, *The Analytical Scientist*, 5, 30-36 (2013)
3. D. GUILLARME, M.W. DONG, Newer developments in HPLC impacting pharmaceutical analysis: a brief review, *American Pharma. Rev.*, 16 (4), 36-43 (2013)
4. F. MEHL, G.MARTI, J. BOCCARD, B. DEBRUS, P. MERLE, E. DELORT, L. BAROUX, V. RAYMO, M. I. VELAZCO, H. SOMMER, J.-L. WOLFENDER, S. RUDAZ. Différentiation d'huile essentielle de citron basée sur l'analyse des fractions volatile et non-volatile par plusieurs techniques analytiques: une approche métabolomique, *Spectra Analyse*, 294, 48-57, (2013)

1.3 BOOK OR BOOKS CHAPTERS

1. J. SCHAPPLER, S. RUDAZ, J.-L. VEUTHEY, D. GUILLARME. Coupling UHPLC with MS: needs, challenges and applications. In *UHPLC and its applications*. Quanyun, A.X., Editor, Wiley. John Wiley and Sons, Inc, Hoboken New Jersey (2013). ISBN: 978-0-470-93842-3
2. J. BOCCARD, S. RUDAZ. MS metabolomic data handling for biomarker discovery. In *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
3. G. GLAUSER, J. BOCCARD, J.-L. WOLFENDER, S. RUDAZ. Metabolomics: Application in plant sciences. In *Wiley-VCH book project "Metabolomics in Practice"*. Michael Laemmerhofer and Wolfram Weckwerth Editors, Wiley VCH Verlag GmbH & Co., KGaA, Weinheim, Germany (2013). ISBN: 978-3-527-33089-8

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. C. DIEZ, A. STAUB SPORRI, E. COGNARD, D. ORTELLI, P. EDDER, S. RUDAZ.
Validation of a LC-MS/MS method for Benzalkonium chloride and Didecyldimethylammonium chloride in fruits and vegetables. Evaluation of matrix-matched calibration and the standard addition method. RAFA 2013, November 5 – 8, 2013 - Prague, Czech Republic
2. J. BOCCARD, F. JEANNERET, D. TONOLI, F. BADOUD, O. SORG, J.-H. SAURAT, D. HOCHSTRASSER, S. RUDAZ.
Analyse métabolomique pour la recherche de biomarqueurs urinaires d'exposition à la dioxine chez l'homme. Chimométrie 2013, September 25 – 26, 2013 - Brest, France
3. A.-L. GASSNER, S. MOTAMEDI, J. SCHAPPLER, S. RUDAZ.
Analysis of protein therapeutics by capillary zone electrophoresis coupled to mass spectrometry. SCS Fall Meeting, September 6, 2013 - Lausanne, Switzerland
4. A.-L. GASSNER, S. RUDAZ, J. SCHAPPLER
Capillary zone electrophoresis applied to the analysis of micro-heterogeneity in therapeutic monoclonal antibodies. SCS Fall Meeting, September 6, 2013 - Lausanne, Switzerland
5. G. BONVIN, S. RUDAZ, J. SCHAPPLER
Evaluation of supercharging molecules with the sheath liquid interface in CE-ESI-MS. SCS Fall Meeting, September 6, 2013 - Lausanne, Switzerland
6. A. AZZOLLINI, E.F. QUEIROZ, D. GUILLARME, J.-L. WOLFENDER.
Isolation of natural products: from analytical HPLC to mass spectrometry guided purification by semi-preparative HPLC-MS. Meeting SCS Fall Meeting, September 6, 2013 - Lausanne, Switzerland
7. S. CHALLAL, E.F. QUEIROZ, W. KLOETI, D. GUILLARME, J.-L. WOLFENDER.
Rapid and efficient large scale isolation strategy on MPLC-ELSD-UV using gradient transfer and enhanced pressure and temperature control. Meeting SCS Fall Meeting, September 6, 2013 - Lausanne, Switzerland
8. S. FEKETE, D. GUILLARME.
Possibilities of 1.3µm core-shell particles in gradient elution mode. 9th Balathon Symposium, September 4 – 6, 2013 - Siofok, Hungary
9. B. BOBALY, S. FEKETE, D. GUILLARME.
Effect of temperature and pressure on protein aggregates in ultra-high pressure size exclusion chromatography. 9th Balathon Symposium, September 4 – 6, 2013 - Siofok, Hungary
10. I. KOHLER, J. SCHAPPLER, M. GREINER, S. RUDAZ.
Highly sensitive capillary electrophoresis-mass spectrometry for rapid screening and accurate quantitation of drugs of abuse in urine. 51st Annual Meeting of the International Association of Forensic Toxicologists (TIAFT) 2013, September 2 – 6, 2013 - Funchal, Madeira – Portugal
11. J. BOCCARD, F. JEANNERET, O. SORG, J.-H. SAURAT, D. PELCLOVA, D. RUTLEDGE, D. HOCHSTRASSER, S. RUDAZ.
Metabolomics applied to dioxin intoxication: biologically-driven strategy for the discovery of biomarkers in human urine. Systems Toxicology 2013, April 28, to May 1st, 2013 - Ascona, Switzerland
12. I. KOHLER, J. SCHAPPLER, M. AUGSBURGER, S. RUDAZ.
Capillary electrophoresis - mass spectrometry for the determination of carbohydrate-deficient transferrin: challenges and issues. TIAFT2013, September 2 – 6, 2013 - Funchal, Madeira - Portugal
13. J. BOCCARD, F. JEANNERET, O. SORG, J.-J. SAURAT, S. VLCKOVA, D. PELCLOVA, D. N. RUTLEDGE, D. HOCHSTRASSER, S. RUDAZ.
Discovery of biomarkers of dioxin intoxication in human urine: analysis by metabolomics and biologically driven strategy. Eurotox 2013, September 1 – 4, 2013 - Interlaken, Switzerland
14. A. AZZOLLINI, E.F. QUEIROZ, D. GUILLARME, J.-L. WOLFENDER.
Mass spectrometry guided purification for efficient isolation of natural products at semi-preparative scale. International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research - GA 2013, September 1 – 5, 2013 - Munster, Germany

15. N. MARSOUSI, Y. DAALI, H. HUMPHRIES, L. ALMOND, S. RUDAZ, P. DAYER, J. DESMEULES, C. SAMER.
A Simcyp physiologically-based mechanistic pharmacokinetic model to assess the metabolism of oxycodone in healthy volunteers: Interplay between CYP3A and 2D6 inhibition. 11th EACPT congress, August 28 – 31, 2013 - Geneva, Switzerland
16. A. GRAND-GUILLAUME-PERRENOUD, D. GUILLARME, C. WEST, E. LESELLIER.
Effect of analytical conditions on chromatographic behaviour and performance in UHPSFC using polar stationary phase. SFC 2013, July 11 – 13, 2013 - Boston, USA
17. A. GRAND-GUILLAUME-PERRENOUD, J.-L. VEUTHEY, D. GUILLARME, S. FEKETE.
Optimal column geometry for high kinetic performance supercritical fluid chromatography using state-of-the-art instruments. SFC 2013, July 11 – 14, 2013 - Boston, USA
18. S. FEKETE, K. GANZLER, D. GUILLARME.
Evaluation of ultra-high performance size exclusion chromatography for protein aggregates, using sub-2µm particles. HPLC 2013, June 16 – 20, 2013 - Amsterdam, Netherlands
19. S. FEKETE, T. FARKAS, D. GUILLARME.
Characterization of a new 1.3µm core-shell material. HPLC 2013, June 16 – 20, 2013 - Amsterdam, Netherlands
20. S. FEKETE, K. HORVATH, D. GUILLARME.
Influence of pressure and temperature on molar volume and retention properties of peptides in ultra-high pressure liquid chromatography. HPLC 2013, June 16 – 20, 2013 - Amsterdam, Netherlands
21. A. GRAND-GUILLAUME-PERRENOUD, J.-L. VEUTHEY, D. GUILLARME.
UHPSFC-MS/MS: from hyphenation optimization to high sensitivity analysis. HPLC 2013, June 16 – 20, 2013 - Amsterdam, Netherlands
22. A. PERIAT, J.-L. VEUTHEY, S. RUDAZ, D. GUILLARME. Systematic comparison of sensitivity between HILIC-MS and RPLC-MS. HPLC 2013, June 16 – 20, 2013 - Amsterdam, Netherlands
23. A.GRAND-GUILLAUME-PERRENOUD, S. FEKETE, J.-L. VEUTHEY, D. GUILLARME.
Optimal column geometry for high kinetic performance supercritical fluid chromatography using state-of-the-art instruments. HPLC 2013, June 16 – 20, 2013 - Amsterdam, Netherlands
24. S. CHALLAL, E.F. QUEIROZ, W. KLOETI, D. GUILLARME, J.-L. WOLFENDER.
Gradient transfer for a rapid and efficient large scale isolation of natural products on MPLC-UV-ELSD platform with enhanced pressure and temperature control. HPLC 2013, June 16 – 20, 2013 - Amsterdam, Netherlands
25. K. VUIGNIER, S. FEKETE, P.-A. CARRUPT, J.-L. VEUTHEY, D. GUILLARME.
Comparison of various silica-based monoliths for the analysis of large biomolecules. HPLC 2013, June 16 – 20, 2013 - Amsterdam, Netherlands
26. A. PERIAT, J.-L. VEUTHEY, S. RUDAZ, D. GUILLARME.
Systematic comparison of sensitivity between HILIC-MS and RPLC-MS. SEP2013, 4 - 7 juin 2013 - Paris, France
27. A.-L. GASSNER, S. RUDAZ, J. SCHAPPLER.
L'électrophorèse de zone appliquée à l'analyse d'anti corps thérapeutiques. SEP2013, June 4 – 7, 2013 - Paris, France
28. F. JEANNERET, J. BOCCARD, O. SORG, J.-H. SAURAT, D. HOCHSTRASSER, S. RUDAZ.
Discovering biomarkers of acute poisoning from metabolomics data: the outstanding case of Victor Yushchenko. Systems Toxicology 2013, April 28 – may 1st, 2013 - Ascona, Switzerland

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. S. RUDAZ.
Guidelines and some specific aspects in Method Validation. Séminaire University of Rouen, November 21, 2013 - Rouen, France

2. J. BOCCARD.
Harnessing the complexity of MS metabolomic data: From raw signals to biomarkers. 4th Danish Symposium on Metabolomics, November 15, 2013 - Copenhagen, Denmark
3. D. GUILLARME.
Comparaison de trois techniques séparatives pour l'analyse de composés structurellement proches. Club de chromatographie de l'île de France, November 14, 2013 - Paris, France
4. D. GUILLARME, S. FEKETE, A. PERIAT, A. GRAND-GUILLAUME-PERRENOUD, S. RUDAZ, J.-L. VEUTHEY.
High-speed and high resolution separation in pharmaceutical analysis. SCIX conference, September 29 – October 4, 2013 - Milwaukee City, USA
5. S. BIERI, Y. JANIN, B. DEBRUS, S. RUDAZ, P.J. MARIOTT, A. BUGEY.
Authentication of natural food aroma by enantioselective GCxGC-TOFMS. 3rd European GCxGC Symposium, September 17 – 18, 2013 - Nice, France
6. S. RUDAZ.
In-vitro metabolism studies: new insights with cocktail approaches "Innovation in medicinal chemistry: from biomass to safe and potent drug candidates". 28^{ème} séminaire en sciences pharmaceutiques - programme doctoral, September 11, 2013 - Zermatt, Switzerland
7. G. BONVIN, S. RUDAZ, J. SCHAPPLER. Analysis of acidic compounds by CE in negative ESI-MS with organic solvents. Fall Meeting - Swiss chemical society - EPFL, September 6, 2013 - Lausanne, Switzerland
8. A.-L. GASSNER, S. RUDAZ, J. SCHAPPLER.
Capillary zone electrophoresis applied to the analysis of micro-heterogeneity in therapeutic monoclonal antibodies. Fall Meeting - Swiss chemical society - EPFL, September 6 – 16, 2013 - Lausanne, Switzerland
9. A. GRAND-GUILLAUME-PERRENOUD, J.-L. VEUTHEY, D. GUILLARME.
UHPSFC-MS/MS: from hyphenation optimization to high sensitivity analysis. SFC 2013, July 11 – 14, 2013 - Boston, USA
10. J. BOCCARD, D.N. RUTLEDGE.
Iterative weighting of multiblock data in the OPLS framework: Application to the sensory analysis of red wines. In Vino Analytica Scientia Symposium, July 2 – 5, 2013 - Reims, France
11. S. RUDAZ.
Human biomarkers of dioxin exposure: analysis by metabolomics and biologically-driven data dimensionality reduction. 24th International Symposium on Pharmaceutical and biomedical analysis PBA 2013, June 30 – July 3, 2013 - Bologna, Italy
12. D. SPAGGIARI, L. GEISER, Y. DAALI, S. RUDAZ.
Cocktail approach for in-vitro phenotyping of major CYP450 in HLM using UHPLC-QTOF. 24th International Symposium on Pharmaceutical and biomedical analysis PBA 2013, June 30 - July 3, 2013 - Bologna, Italy
13. J.-L. VEUTHEY, D. GUILLARME, S. RUDAZ.
New strategies for the analysis of pharmaceutical compounds. 24th International Symposium on Pharmaceutical and biomedical analysis PBA 2013, June 30 – July 3, 2013 - Bologna, Italy
14. A. GRAND-GUILLAUME-PERRENOUD, S. FEKETE, J.-L. VEUTHEY, D. GUILLARME.
Possibilities and limitations of SFC and SFC-MS/MS using state-of-the-art instrument and innovative stationary phases. HPLC 2013, June 16 – 20, 2013 - Amsterdam, Netherlands
15. J. BOCCARD, F. BADOUD, S. OUERTANI, M. HANAFI, G. MAZEROLLES, N. BAUME, S. RUDAZ, M. SAUGY.
Extension du profilage urinaire des stéroïdes par une approche stéroïdomique pour le dépistage anti-dopage. Journées Scientifiques du Réseau Français de Métabolomique et Fluxomique, June 10 – 12, 2013 - Amiens, France
16. D. GUILLARME.
Evaluation of Waters UPC2-MS for pharmaceutical applications
Executive seminar Waters, June 2013, Vienna, Austria
17. E. DAHMANE, C. CSAJKA, S. RUDAZ, J. BOCCARD, K. ZAMAN, L. DECOSTERD, E. GENIN, B. DURETZ, M. BROMIRSKI, S. LEYVRAZ, B. TESTA, B. ROCHAT.
Quantitative monitoring of tamoxifen extended to forty metabolites in human plasma using LC-HR.MS: New investigation capabilities for clinical pharmacology. ASMS, June 9 – 13, 2013 - Minneapolis . Minnesota, USA

18. A. GRAND-GUILLAUME-PERRENOUD, S. FEKETE, J.-L. VEUTHEY, D. GUILLARME.
Avantages et limitations de la SFC à ultra haute performance et optimisation de son couplage à la MS pour l'analyse de composés pharmaceutiques. SEP 2013, June 4 – 7, 2013 - Paris, France
19. G. BONVIN, F. CLERC, J. SCHAPPLER, S. RUDAZ.
Effets des interfaces et des molécules superchargeantes sur les profils d'ionisation de protéines intactes en CE-ESI-MS. SEP2013, June 4 – 7, 2013 - Paris, France
20. D. GUILLARME, A. PÉRIAT, A. GRAND-GUILLAUME-PERRENOUD, S. FEKETE, S. RUDAZ, J.-L. VEUTHEY.
Les récentes évolutions en chromatographies liquides pour l'analyse des petites molécules et biomolécules. SEP2013, June 4 – 7, 2013 - Paris, France
21. I. KOHLER, J. SCHAPPLER, M. GRENIER, S. RUDAZ .
Highly sensitive capillary electrophoresis mass spectrometry for rapid screening and accurate quantitation of drugs of abuse in urine. 8th PhD Day of the School of Pharmacy Geneva Lausanne, May 31, 2013 - Hermance - Genève, Switzerland
22. A. GRAND-GUILLAUME-PERRENOUD, S. FEKETE, D. GUILLARME, J.-L. VEUTHEY.
SFC and SFC-MS in Pharmaceutical Analysis. 9th Balaton Symposium on High-Performance Separation Methods. September 4-6, 2013, Siófok, Hungary
23. J.-L. VEUTHEY, D. GUILLARME, S. RUDAZ.
New strategies for the analysis of pharmaceutical compounds. 24th International Symposium on Pharmaceutical and Biomedical Analysis, PBA 2013. Recent Development in Pharmaceutical Analysis (RDPA 2013) June 30 – July 3, 2013 Bologna Italy
24. S. RUDAZ.
LC, HILIC and UHPLC-TOF.MS for Plant metabolomics. Metabolomics workshop, April 19 – 22, 2013 - Leiden, Netherlands
25. A.-L. GASSNER, S. RUDAZ, J. SCHAPPLER.
Analysis of monoclonal antibody drugs by capillary zone electrophoresis. MSB 2013, March 10 – 14, 2013 - Charlottesville, USA
26. M. RODRIGUEZ-ALLER, D. GUILLARME, M. EL SANHARAWI, F. BEHAR-COHEN, J.-L. VEUTHEY, R. GURNY.
Aqueous Cyclosporine A prodrug topical formulation to treat ocular diseases. International Symposium, March 7 – 10, 2013 - Paris, France
27. D. GUILLARME.
Critical evaluation of hydrophilic liquid chromatography (HILIC). Live webcast - LC-GC North America, January 29, 2013 - Genève, Switzerland
28. D. GUILLARME.
Les aspects instrumentaux de la course à la performance. Club lyonnais de Chromatographie, January 24, 2013 - Lyon, France

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. S. RUDAZ
Introduction on plant metabolomics, Fast Analysis in LC, Basics in Data Treatment
Swiss Interuniversity Doctoral Program in Organismal Biology,
University of Neuchâtel, March 6-7, 2014, Neuchâtel (Switzerland).
2. S. RUDAZ
Validation des méthodes analytiques, Généralités et Protocoles de Validation
(7h.) Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) February
22, 2013, Pavillon Ansermet, Genève (Switzerland)
3. S. RUDAZ
Validation des méthodes analytiques II (Formation sur logiciels)
(7h.) Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA) February
23, 2013, Pavillon Ansermet, Genève (Switzerland)
4. S. RUDAZ
Guidelines and some specific aspects in Method Validation
Université de Rouen, November 21. 2013, Rouen (France)

5. S. RUDAZ
LC, HILIC and UHPLC-TOF-MS for Plant metabolomics
Metabolomics workshop, Leiden University, April 19-22, 2013, Leiden (Netherlands)
6. S. RUDAZ
Introduction of Design of Experiment (DOE) approaches in Master en Sciences Criminelles (2h.), Université de Lausanne, Lausanne (Switzerland)
7. S. RUDAZ, J. SCHAPPLER
Analytical Method Validation in Master en Sciences Analytiques (16h.), Université de Lyon, Lyon (France)
8. J. SCHAPPLER
Electrophorèse capillaire
(7h.) Cours de formation du Centre de Compétence en Chimie et Toxicologie Analytique (CCCTA), March 2013, Pavillon Ansermet, Genève (Switzerland)
9. J. SCHAPPLER
Sample preparation techniques
(2h.) Master of Advanced Studies (MAS) in Toxicology, Université de Genève, Genève (Switzerland)
10. J. SCHAPPLER
CE and CE-MS
(1h.) Master of Advance Studies (MAS) in Toxicology, Université de Genève, Genève (Switzerland)
11. J. BOCCARD
Introduction à l'analyse multivariée dans le cadre des données Omiques
Société Sigma Plus, June 4-5, 2013, Paris (France)
12. D. GUILLARME
Les nouvelles tendances de la chromatographie liquide
IDECOS course, Nice, France (2 days) June 2013

3.3 OTHER ORAL COMMUNICATIONS

1. D. GUILLARME
Les aspects instrumentaux de la course à la performance
Phenomenex user meeting - Geneva, Switzerland. February 2013
2. S. RUDAZ
A study of human dioxin toxicity - a metabolomic approach. SCAHT Research Meeting 2013, Bern, Switzerland, April 2013
3. D. GUILLARME, A. GRAND-GUILLAUME-PERRENOUD
Point expert: La chromatographie de convergence au-delà des techniques Lc, GC et SFC
Point Expert Water Forum labo, Paris, France, June 2013
4. S. FEKETE, D. GUILLARME
Importance of instrumentation for fast liquid chromatography
Phenomenex vendor seminar at HLPC 2013, Amsterdam, Netherlands, June 2013
5. D. GUILLARME
Chromatographic tools for the characterization of large biomolecules
Centre immunologie Pierre Fabre, Saint-Julien -en-Genevois, France, July 2013
6. D. GUILLARME
Evaluation of Waters UPC2 system and UPC2/MS for pharmaceutical applications
User meeting Waters, Lausanne
7. S. RUDAZ
New insights in pharmaceutical analysis, from metabolomics to metabolism. Agilent - scientific meeting, Waldbronn, Germany, November 30, 2013

4. THESIS PRESENTED

4.1. INTRA-MUROS THESIS

1. Isabelle KOHLER
Sensitivity Improvements in Capillary Electrophoresis - Mass Spectrometry for Clinical and Forensic Toxicology.
Thèse n°4611, Université de Genève,
Direction: S. RUDAZ, J.-L. VEUTHEY

4.2 EXTRA-MUROS THESIS

1. Cristina CASSETTA
Study of the composition of biologically active fractions from plant extracts by advanced techniques of HPLC and UHPLC/MS.
Thèse n°4536, Université de Turin et Université de Genève,
Direction: J.-L. VEUTHEY, Geneva, C. BICCHI, Turin

4.3 THESIS JURY

1. Elyes DAHMANE Ph.D. thesis
Method development for the detection of the direct ethanol biomarker phosphatidylethanol and its application in forensic toxicology. – Scientific
Direction: C. CSAJKA, L. DECOSTERD, Faculté de Médecine - University of Geneva, University of Lausanne, Switzerland
2. Manuel RUSCONI Master of Advanced Studies in Toxicology
Method development for the detection of the direct ethanol biomarker phosphatidylethanol and its application in forensic toxicology –
Scientific direction: C. STAUB, Centre Universitaire Romand de Médecine Légale (CURML), Lausanne, Switzerland
3. Nathalie DELAUNAY HDR
Miniaturisation de supports analytiques - ESPCI, Paris, France
4. Julian BROSEUS Ph.D. 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 –
Scientific direction: P. ESSEIVA, Lausanne University, Switzerland
5. Chiara PERAZZOLO Master of Advanced Studies in Toxicology
Environmental Risk Assessment of UV Filters -
Scientific direction: N. CHEVRE, Lausanne University, Switzerland

PHARMACEUTICAL BIOCHEMISTRY



PROFESSOR

Leonardo SCAPOZZA

MER

Yogeshvar KALIA

1.1 Scientific publications (with impact factor)	32
2.1 Posters presentations	25
3.1 Congresses & Symposia	19
3.2 Continuing education & open to the public lectures	3
4.1 Thesis Presented (intra-muros)	6
4.2 Thesis Jury	1

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

Cancer Res.	7.86
J. Biol. Chem.	4.77
J. Med. Chem.	5.25
Cancer Gene Ther.	2.80
Proteins	3.39
Biochemistry-US	3.42
Protein Sci	2.80
J. Chem. Inf. Model	4.68
Protein Expres. Purif	1.59
Adv. Drug Deliv. Rev	11.50
J. Control. Rel	5.73
Mol. Pharmaceut.	5.78
Pharm. Res	4.10
AAPS J.	5.09
Expert Opin. Drug Del	4.90
Eur. J. Pharm. Biopharm.	4.27
Int. J. Pharm.	3.35
J. Pharm. Sci.	3.06
Eur. J. Pharm. Sci	3.21

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1.	T. GRATIERI, Y. N. KALIA, Mathematical models to describe iontophoretic transport in vitro and in vivo and the effect of current application on the skin barrier. <i>Adv Drug Deliv Rev.</i> 2013; 65: 315-329	12.88
2.	P. PATEL, D. R. KALAIYA, Y. N. KALIA, V. PATRAVALE. Comparative in vitro and in vivo evaluation of lipid based nanocarriers of Huperzine A. <i>Int J Pharm.</i> 2013; 446: 16-23.	3.45
3.	Y. G. BACHHAV, A. HEINRICH, Y. N. KALIA. Controlled intra- and transdermal protein delivery using a minimally invasive Erbium: YAG fractional laser ablatio technology. <i>Eur J Pharm Biopharm.</i> 2013; 84(2): 355-364.	3.82
4.	M. LAPTEVA, Y. N. KALIA. Microstructured bicontinuous phase formulations: their characterization and application in dermal and transdermal drug delivery. <i>Expert Opin Drug Deliv</i> , 2013; 10(8): 1043-1059.	4.86
5.	T. GRATIERI, I. ALBERTI, M. LAPTEVA, Y. N. KALIA. Next generation intra- and transdermal therapeutic systems: using non- and minimally-invasive technologies to increase drug delivery into and across the skin. <i>Eur J Pharm Sci</i> , 2013; 50(5): 609-622.	2.98

6. [O. PERUMAL, S. N. MURTHY, Y. N. KALIA. Turning theory into practice: the development of modern transdermal drug delivery systems and future trends. *Skin Pharmacol Physiol*, 2013; 26: 331-342.](#) 2.88
7. [D. R. KALARIA, P. PATEL, V. MERINO, V. B. PATRAVALE, Y. N. KALIA. Controlled iontophoretic transport of huperzine A across skin in vitro and in vivo: effect of delivery conditions and comparison of pharmacokinetic models. *Mol Pharm*, 2013; 10\(11\): 4322-4329.](#) 4.57
8. [J.M. FERNANDEZ-COSTA, A. GARCIA-LOPEZ, S. ZUÑIGA, V. FERNANDEZ-PEDROSA, A. FELIPO-BENAVENT, M. MATA, O. JAKA, F. HERNANDEZ-TORRES, B. AGUADO, M. PEREZ-ALONSO, J.J. VILCHEZ, A.L. DE MUNAIN, R.D. ARTERO, Expanded CTG repeats trigger miRNA alterations in *Drosophila* that are conserved in myotonic dystrophy type 1 patients. *Hum Mol Genet*. 2013 Feb 15; 22\(4\):704-16](#) 7.63
9. [B. LLAMUSI, A. BARGIELA, J.M. FERNANDEZ-COSTA, A. GARCIA-LOPEZ, R. KLIMA, F. FEIGUIN and R. ARTERO, Muscleblind, BSF and TBPH are mislocalized in the muscle sarcomere of a *Drosophila* myotonic dystrophy model. *Dis Model Mech* 2013 Jan; 6\(1\): 184-96.](#) 4.93
10. [E. DONOHUE, A. THOMAS, N. MAURER, I. MANISALI, M. ZEISSER-LABOUEBE, N. ZISMAN, H. J. ANDERSON, S. S. W. NG, M. WEBB, M. BALLY, M. ROBERGE, The Autophagy Inhibitor Verteporfin Moderately Enhances the Antitumor Activity of Gemcitabine in a Pancreatic Ductal Adenocarcinoma Model, *J Cancer* \(2013\)](#) 4.55
11. [A. MESCIC, S. KRISTAFOR, I. NOVAKOVIC, A. OSMANOVIC, U. MÜLLER, D. ZAVRSNIK, S.M. AMETAMEY, L. SCAPOZZA, S. RAIC-MALIC, C-5 hydroxyethyl and hydroxypropyl acyclonucleosides as substrates for thymidine kinase of herpes simplex virus type 1 \(HSV-1 TK\): syntheses and biological evaluation, *Molecules*, 18\(7\) \(2013\) 8535-49.](#) 2.43
12. [F. BELLUTI, R. PEROZZO, L. LAUCIELLO, F. COLIZZI, D. KOSTREWA, A. BISI, S. GOBBI, A. RAMPA, M.L. BOLOGNESI, M. RECANATINI, R. BRUN, L. SCAPOZZA, A. CAVALLI. Design, Synthesis, Biological and Crystallographic Evaluation of Novel Inhibitors of Plasmodium falciparum enoyl-ACP-reductase \(PfFabI\). *J. Med. Chem.* 56\(19\): 7516-7526, 2013.](#) 5.61
13. [L. LAUCIELLO, B. DERRER, B. KAPPES, L. SCAPOZZA, R. PEROZZO. Expression, Purification and Activity Measurements of Recombinant Ca-Dependent Protein Kinase 2 of the Malaria Parasite Plasmodium falciparum. *Protein Expres. Purif.* 90\(2\): 170-177, 2013.](#) 1.51
14. [I.L. LAUINGER, L. VIVAS, R. PEROZZO, C. STAIRIKER, A. TARUN, M. ZLOH, X. ZHANG, H. XU, P.J. TONGE, S.G. FRANZBLAU, P. COS, L. MAES, D. TASDEMIR. Potential of Lichen Secondary Metabolites against Plasmodium Liver Stage Parasites with FAS-II as the Potential Target. *J. Nat. Prod.* 76\(6\): 1064-1070, 2013.](#) 3.29
15. [M. BOI, A. RINALDI, I. KWEE, P. BONETTI, M. TODARO, F. TABBÒ, R. PIVA, P.M. RANCOITA, A. MATOLCSY, B. TIMAR, T. TOUSSEYN, S.M. RODRÍGUEZ-PINILLA, M.A. PIRIS, S. BEÀ, E. CAMPO, G. BHAGAT, S.H. SWERDLOW, A. ROSENWALD, M. PONZONI, K.H. YOUNG, P.P. PICCALUGA, R. DUMMER, S. PILERI, E. ZUCCA, G. INGHIRAMI, F. BERTONI. PRDM1/BLIMP1 is commonly inactivated in anaplastic large T-cell lymphoma. *Blood*. 2013 Oct 10;122\(15\):2683-93](#) 9.77
16. [K. LAPOUGE, R. PEROZZO, J. IWASZKIEWICZ, C. BERTELLI, V. ZOETE, O. MICHELIN, L. SCAPOZZA, D. HAAS. RNA pentaloop structures as effective targets of regulators belonging to the RsmA/CsrA protein family. *RNA Biol.* 10\(6\): 1031-1041, 2013.](#) 4.84
17. [S. PIERETTI, J.R. HAANSTRA, M. MAZET, R. PEROZZO, C. BERGAMINI, F. PRATI, R. FATO, G. LENA, G. CAPRANICO, R. BRUN, B.M. BAKKER, P.A.M. MICHELS, L. SCAPOZZA, M.L. BOLOGNESI, A. CAVALLI. Naphthoquinone derivatives exert their antitrypanosomal activity via a multi-target mechanism. *PLoS Negl. Trop. Dis.* 7\(1\): e2012, 2013.](#) 4.57
18. [H. M. ISMAIL, O. M. DORCHIES, R. PEROZZO, M. K. STROSOVA, L. SCAPOZZA, U. T. RUEGG. Inhibition of iPLA₂β and of stretch-activated channels by doxorubicin alters dystrophic muscle function. *Br. J. Pharmacol.*, 169: 1537-1550, 2013.](#) 5.06
19. [O. M. DORCHIES, J. REUTENAUER-PATTE, E. DAHMANE, H. M. ISMAIL, O. PETERMANN, O. PATTHEY-VUADENS, S. A. COMYN, E. GAYI, T. PIACENZA, R. J. HANDA, L. A. DÉCOSTERD, U. T. RUEGG. The anticancer drug tamoxifen counteracts the pathology in a mouse model of duchenne muscular dystrophy. *Am J Pathol.*, 182\(2\):485-504, 2013.](#) 4.52
20. [A. MONACO, V. ZOETE, G.C. ALGHISI, C. RÜEGG, O. MICHELIN, J. PRIOR, L. SCAPOZZA, Y. SEIMBILLE, Synthesis and in vitro evaluation of a novel radioligand for αβ3 integrin receptor imaging: \[18F\]FPPA-c\(RGDfK\), *Bioorg Med Chem Lett.* 2013 Nov 15;23\(22\):6068-72. doi: 10.1016/j.bmcl.2013.09.031. 2013 Sep 19.](#) 2.33

21. Y. WESTERMAIER, M. VEURINK, T. RIIS-JOHANNESSEN, S. GUINCHARD, R. GURNY, L. SCAPOZZA, Identification of aggregation breakers for bevacizumab (Avastin®) self-association through similarity searching and interaction studies. *Eur J Pharm Biopharm.* 2013 Nov;85(3 Pt A):773-80. doi: 10.1016/j.ejpb.2013.04.012. 4.24
22. U. MÜLLER, T.L. ROSS, C. RANADHEERA, R. SLAVIK, A. MÜLLER, M. BORN, E. TRAUFFER, S.M. SEPHTON, L. SCAPOZZA, S.D. KRÄMER, S.M. AMETAMEY, Synthesis and preclinical evaluation of a new C-6 alkylated pyrimidine derivative as a PET imaging agent for HSV1-tk gene expression. *Am J Nucl Med Mol Imaging.* 2013; 3(1):71-84. 2013 Jan 5. 3.25
23. M. CECCON, L. MOLOGNY, W. BISSON, L. SCAPOZZA, C. GAMBACORTI-PASSERINI, Crizotinib-resistant NPM-ALK mutants confer differential sensitivity to unrelated Alk inhibitors. *Mol Cancer Res.* 2013 Feb; 11(2):122-32. Doi:10.1158/1541-7786. MCR-12-0569. 4.50
24. M. TOLOMEO, M. ROBERTI, L. SCAPOZZA, C. TARANTELLI, E. GIACOMINI, L. TITONE, L. SAPORITO, P. DI CARLO, C. COLOMBA, TTAS a new stilbene derivative that induces apoptosis in *Leishmania infantum*. *Exp Parasitol.* 2013 Jan;133(1):37-43. doi : 10.1016/j.exppara.2012.10.006. 1.85
25. M. VEURINK, L. ASMUS, M. HENNIG, B. KAUFMANN, L. BAGNEWSKI, A. HEILIGENHAUS, E. MENDRINOS, C.J. POURNARAS, R. GURNY, M. MÖLLER, Design and in vitro assessment of L-lactic acid-based copolymers as prodrug and carrier for intravitreal sustained L-lactate release to reverse retinal arteriolar occlusions. *Eur J Pharm Sci.* 2013 May 13;49(2):233-40. doi: 10.1016/j.ejps.2013.02.021. 3.00
26. M. VEURINK, Y. WESTERMAIER, R. GURNY, L. SCAPOZZA, Breaking the aggregation of the monoclonal antibody bevacizumab (avastin®) by dexamethasone phosphate : insights from molecular modelling and asymmetrical flow field-flow fractionation. *Pharm Res.* 2013 Apr;30(4):1176-87. doi: 10.1007/s11095-012-0955-6. 3.97
27. M. VEURINK, L. ASMUS, M. HENNIG, B. KAUFMANN, L. BAGNEWSKI, A. HEILIGENHAUS, E. MENDRINOS, C.J. POURNARAS, R. GURNY, M. MÖLLER, Design and in vitro assessment of L-lactic acid-based copolymers as prodrug and carrier for intravitreal sustained L-lactate release to reverse retinal arteriolar occlusions. *Eur J Pharm Sci.* 2013 May 13;49(2):233-40. doi: 10.1016/j.ejps.2013.02.021. 3.00
28. P. BONETTI, M. TESTONI, M. SCANDURRA, M. PONZONI, R. PIVA, A.A. MENSAH, A. RINALDI, I. KWEE, M.G. TIBILETTI, J. IQBAL, T.C. GREINER, W.C. CHAN, G. GAIDANO, M.A. PIRIS, F. CAVALLI, E. ZUCCA, G. INGHIRAMI, F. BERTONI. Deregulation of ETS1 and FLI1 contributes to the pathogenesis of diffuse large B-cell lymphoma. *Blood.* 2013 Sep 26;122(13):2233-41 9.77
29. N. LONGONI, M. SARTI, D. ALBINO, G. CIVENNI, A. MALEK, E. ORTELLI, S. PINTON, M. MELLO-GRAND, P. OSTANO, G. D'AMBROSIO, F. SESSA, R. GARCIA-ESCUADERO, G.N. THALMANN, G. CHIORINO, C.V. CATAPANO, G.M. CARBONE. ETS transcription factor ESE1/ELF3 orchestrates a positive feedback loop that constitutively activates NF-κB and drives prostate cancer progression. *Cancer Res.* 2013 Jul 15;73(14):4533-47 9.28
30. N. LONGONI, P. KUNDERFRANCO, S. PELLINI, D. ALBINO, M. MELLO-GRAND, S. PINTON, G. D'AMBROSIO, M. SARTI, F. SESSA, G. CHIORINO, C.V. CATAPANO, G.M. CARBONE. Aberrant expression of the neuronal-specific protein DCDC2 promotes malignant phenotypes and is associated with prostate cancer progression. *Oncogene.* 2013 May 2;32(18):2315-24, 2324.e1-4. 8.55
31. I. ANGULO, O. VADAS, F. GARÇON, E. BANHAM-HALL, V. PLAGNOL, T.R. LEAHY, H. BAXENDALE, T. COULTER, J. CURTIS, C. WU, K. BLAKE-PALMER, O. PERISIC, D. SMYTH, M. MAES, C. FIDDLER, J. JUSS, D. CILLIERS, G. MARKELJ, A. CHANDRA, G. FARMER, A. KIELKOWSKA, J. CLARK, S. KRACKER, M. DEBRÉ, C. PICARD, I. PELLIER, N. JABADO, J.A. MORRIS, G. BARCENAS-MORALES, A. FISCHER, L. STEPHENS, P. HAWKINS, J.C. BARRETT, M. ABINUN, M. CLATWORTHY, A. DURANDY, R. DOFFINGER, E.R. CHILVERS, A.J. CANT, D. KUMARARATNE, K. OKKENHAUG, R.L. WILLIAMS, A. CONDLIFFE, S. NEJENTSEV. Phosphoinositide 3-kinase δ gene mutation predisposes to respiratory infection and airway damage. *Science.* 2013 Nov 15;342(6160):866-71 31.47
32. O. VADAS, H.A. DBOUK, A. SHYMANETS, O. PERISIC, J.E. BURKE, W.F. ABI SAAB, B.D. KHALIL, C. HARTENECK, A.R. BRESNICK, B. NÜRNBERG, J.M. BACKER, R.L. WILLIAMS. Molecular determinants of PI3Ky-mediated activation downstream of G-protein-coupled receptors (GPCRs). *Proc Natl Acad Sci U S A.* 2013 Nov 19;110(47):18862-7 9.80

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. M. LAPTEVA, V. SANTER, K. MONDON, M. MÖLLER, Y. N. KALIA.
Topical delivery of ciclosporin a delivery to skin using polymeric micelles and visualization of delivery transport pathways in the skin. XXVIIIèmes GTRV Scientific Meeting. December 2-4, 2013, Orléans, France.
2. M. LAPTEVA, K. MONDON, M. MÖLLER, R. GURNY, Y. N. KALIA.
Polymeric micelle formulation for targeted topical skin delivery of tacrolimus. 28th GTRV Scientific Meeting. December 2-4, 2013, Orléans (France).
3. M. BOI, A. RINALDI, R. PIVA, P.M.V. RANCOITA, P. BONETTI, A. MATOLCSY, T. TOUSSEYN, S.M. RODRIGUEZ-PINILLA, M. PIRIS, S. BEA, E. CAMPO, G. BAGHAT, S.H. SWERDLOW, A. ROSENWALD, M. PONZONI, K.H. YOUNG, P.P. PICCALUGA, S. PILERI, A. NERI, E. MEDICO, E. ZUCCA, I. KWEE, G. INGHIRAMI, F. BERTONI.
Genomic profiling of Anaplastic Large cell Lymphoma (ALCL). Breakthroughs in cancer research and therapy, 30 January- 1 February 2013, Zürich (Switzerland).
4. M. BOI, A. RINALDI, R. PIVA, P. BONETTI, P.M.V. RANCOITA, A. MATOLCSY, B. TIMAR, T. TOUSSEYN, S.M. RODRIGUEZ-PINILLA, M. PIRIS, S. BEA, E. CAMPO, G. BAGHAT, S.H. SWERDLOW, A. ROSENWALD, M. PONZONI, K.H. YOUNG, P.P. PICCALUGA, S. PILERI, E. ZUCCA, I. KWEE, G. INGHIRAMI, F. BERTONI.
Identificazione di geni coinvolti nella patogenesi dei linfomi anaplastici a grandi cellule T (ALCL) mediante DNA-profiling. Terza giornata della ricerca clinica della Svizzera Italiana, 22 March 2013, Lugano (Switzerland).
5. M. BOI, P. BONETTI, E. BERNASCONI, E. GAUDIO, A. RINALDI, I. KWEE, M. PONZONI, M.G. TIBILETTI, A. STATHIS, E. RIVEIRO, G. INGHIRAMI, E. ZUCCA, F. BERTONI.
Il BRD-inibitore OTX015 influenza la proliferazione e l'espressione genica di cellule neoplastiche derivate da tumori linfoidi maturi. Terza giornata della ricerca clinica della Svizzera Italiana, 22 March 2013, Lugano (Switzerland).
6. P. BONETTI, M. BOI, E. BERNASCONI, A. RINALDI, I. KWEE, E. GAUDIO, M. PONZONI, M.G. TIBILETTI, A. STATHIS, E. RIVEIRO, G. INGHIRAMI, E. ZUCCA, F. BERTONI.
The BRD-inhibitor OTX015 affects proliferation and gene expression in pre-clinical models of mature lymphoid tumors. AACR 6-10 April 2013, Washington (USA).
7. G. CHIRIANO, L. SLEPIKAS, A. KRANJC PIETRUCCHI, O. PATTHEY, P. COSSON, H. OUERTATANI-SAKOUHI, T. SOLDATI, S. KICKA, H. HILBI, C. HARRISON, J. MCKINNEY, L. SCAPOZZA
Design and re-iterative data mining of a highly diverse chemical libraries used for antibacterial activity screenings. Swiss Chemical Society - Lausanne, Switzerland, September 2013.
8. G. CHIRIANO, L. SLEPIKAS, A. KRANJC PIETRUCCHI, O. PATTHEY, P. COSSON, H. OUERTATANI-SAKOUHI, T. SOLDATI, S. KICKA, H. HILBI, C. HARRISON, J. MCKINNEY, L. SCAPOZZA
Design of a pathways-based highly diverse chemical library used for antibacterial activity screenings. Anglo-Swiss Symposium on Phenotypic screening - target Identification Approaches- Basel, Switzerland, October 2013.
9. P. GRAVEN, M. TAMBALO, E. FACINI, L. SCAPOZZA, R. PEROZZO
Does alteration of adenine purine levels lead to loss-of-fitness phenotype in *Trypanosoma brucei*? Fall Meeting of the Swiss Chemical Society, 6 september 2013, EPFL (Switzerland).
10. C. AMBUEHL, P. GRAVEN, L. SCAPOZZA, R. PEROZZO
Identification and analysis of the putative AMP-activated protein kinase (AMPK) in blood stream form of *Trypanosoma brucei*. Fall Meeting of the Swiss Chemical Society, 6 september 2013, EPFL (Switzerland).
11. L. LAUCIELLO, B. KAPPES, L. SCAPOZZA, R. PEROZZO
Expression and purification of calcium-dependent protein kinase 2, a potential target of triclosan in *Plasmodium falciparum*. Fall Meeting of the Swiss Chemical Society, 6/9/2013, EPFL (Switzerland).
12. P. GRAVEN, M. TAMBALO, E. FACINI, L. SCAPOZZA, R. PEROZZO
Does alteration of adenine purine levels lead to loss-of-fitness phenotype in *Trypanosoma brucei*? Swiss Pharma Science Day, 28 august 2013, Bern (Switzerland).

13. L. LAUCIELLO, B. KAPPES, L. SCAPOZZA, R. PEROZZO
Expression and purification of calcium-dependent protein kinase 2, a potential target of triclosan in *Plasmodium falciparum*. Swiss Pharma Science Day, 28 august 2013, Bern (Switzerland).
14. P. GRAVEN, M. TAMBALO, E. FACINI, M. MOSIMANN, P. MAESER, L. SCAPOZZA, R. PEROZZO
Towards the chemical and genetic validation of role of adenosine kinase in *Trypanosoma brucei*. 30st Swiss Trypanosomatid Meeting, 23-25 january 2013, Classic Hotel, Leysin (Switzerland).
15. S. TARDY, A. ORSATO, W. BISSON, L. MOLOGNI, P. GOEKJIAN, C. GAMBACORTI-PASSERINI, L. SCAPOZZA
Synthesis of inhibitors of oncogenic fusion protein NPM-ALK for *in vitro* and *in vivo* assays., Rencontres Internationales de Chimie Thérapeutique (RICT 49th 2013), 3- 5 July 2013, Nice (France).
16. S. TARDY, A. ORSATO, W. BISSON, L. MOLOGNI, P. GOEKJIAN, C. GAMBACORTI-PASSERINI, L. SCAPOZZA,
Synthesis of inhibitors of oncogenic fusion protein NPM-ALK for *in vitro* and *in vivo* assays., Swiss Pharma Science Day; 28 August 2013, Berne (Switzerland).
17. S. KADERLI, R. GURNY, L. SCAPOZZA' M. MOLLER
"Synthesis and Evaluation of Antioxidant Functionalized Hyaluronic Acid for Osteoarthritis Treatment"
International Society for Hyaluronan Sciences fall meeting, 2-7 June 2013, Oklahoma City (USA).
18. S. KADERLI, C. BOULOCHER, E. PILLET, D. WATRELOT-VIRIEUX, R. GURNY, L. SCAPOZZA, T. ROGER, E. VIGUIER, O. JORDAN
"Novel biocompatible Hyaluronic acid-Chitosan hybrid hydrogel for osteoarthritis therapy", Pharma Science Day, 28 August 2013, Bern (Switzerland).
19. S. KADERLI, C. BOULOCHER, E. PILLET, D. WATRELOT-VIRIEUX, R. GURNY, L. SCAPOZZA, T. ROGER, E. VIGUIER, O. JORDAN
"Novel biocompatible Hyaluronic acid-Chitosan hybrid hydrogel for osteoarthritis therapy", European Biomaterial meeting, 8 – 12 September 2013, Madrid (Spain).
20. C. AMBUEHL, P. GRAVEN, L. SCAPOZZA, R. PEROZZO
Towards the identification of the putative AMP-activated protein kinase in *Trypanosoma brucei*. 30st Swiss Trypanosomatid Meeting, 23-25 january 2013, Classic Hotel, Leysin (Switzerland).
21. I. NOVAKOVIC, L. PERNOT SCHILTZ, J.K. BUOLAMWINI, L. SCAPOZZA
Evaluation of novel thymine derivatives as potential positron emission tomography probes for HSV1-tk gene expression imaging. Rencontres Internationales de Chimie Therapeutique - RICT. 3 July 2013, Nice (France).
22. I. NOVAKOVIC, L. PERNOT SCHILTZ, L. SCAPOZZA
Synthesis, biochemical and structural characterization of novel thymine derivatives as reporter probes for HSV1-th gene expression imaging with positron emission tomography. Swiss Chemical Society Meeting. 6 September 2013, Lausanne (Switzerland).
23. A. GARCIA-LOPEZ, I. FAUSTINO, M. OROZCO and L. SCAPOZZA
Modeling of an RNA hairpin that modulates the alternative splicing of *SMN2*: a gene involved in Spinal Muscular Atrophy. SCS Fall Meeting (2013). Lausanne (Switzerland).
24. G. CHIRIANO, L. SLEPIKAS, A. KRANJC PIETRUCCHI, O. PATTEY, P. COSSON, H. OUERTATANI-SAKOUHI, T. SOLDATI, S. KICKA, H. HILBI, C. HARRISON, J. MCKINNEY, L. SCAPOZZA
Design and re-iterative data mining of a highly diverse chemical libraries used for antibacterial activity screenings Swiss Chemical Society - Lausanne, Switzerland, September 2013.
25. G. CHIRIANO, L. SLEPIKAS, A. KRANJC PIETRUCCHI, O. PATTEY, P. COSSON, H. OUERTATANI-SAKOUHI, T. SOLDATI, S. KICKA, H. HILBI, C. HARRISON, J. MCKINNEY, L. SCAPOZZA
Design of a pathways-based highly diverse chemical library used for antibacterial activity screenings. Anglo-Swiss Symposium on Phenotypic screening - target Identification Approaches- Basel, Switzerland, October 2013.

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. Y. N. KALIA
Topical drug delivery: improving efficacy and creating new therapeutic opportunities. 4th Pan Asian Pacific Skin Barrier Research Annual Symposium. October 15, 2013 Seoul, Korea.
2. M. LAPTEVA, K. MONDON, M. MÖLLER, Y. N. KALIA
Polymeric micelles nanocarriers formulation for the targeted topical skin cutaneous delivery of tacrolimus. XXVIII^{èmes} GTRV Scientific Meeting. December 2-4, 2013, Orléans, France.
3. Y. N. KALIA
The skin: why is it such an effective barrier and how can it be overcome? XXVIII^{èmes} GTRV Scientific Meeting. December 2-4, 2013, Orleans, France.
4. M. LAPTEVA, V. SANTER, K. MONDON, M. MÖLLER, R. GURNY, Y. N. KALIA
Cyclosporine A delivery to skin using polymeric micelles and visualization of delivery pathways. 28th GTRV Scientific Meeting. December 2-4, 2013, Orléans (France).
5. G. CHIRIANO and L. SCAPOZZA
Design of a pathways-based highly diverse chemical library used for antibacterial activity screenings. Knowledge transfer event at the Basilea Pharmaceutica, Basel, Switzerland.
6. G. CHIRIANO, L. SLEPIKAS, A. KRANJC PIETRUCCHI, O. PATTHEY, P. COSSON, H. OUERTATANI-SAKOUHI, T. SOLDATI, S. KICKA, H. HILBI, C. HARRISON, J. MCKINNEY, L. SCAPOZZA
Design and re-iterative data mining of a highly diverse chemical libraries used for antibacterial activity screenings, "Host-Pathogen Interaction" retreat, Crans-Montana, Switzerland, February 2013.
7. R. PEROZZO
From compound to target: Chemical proteomics and in silico screening for target identification in *Plasmodium falciparum*. Cell Biology Seminars of the Institute of Cell Biology, 27 march 2013, University of Bern (Switzerland).
8. R. PEROZZO
P. falciparum fatty acid biosynthesis as potential drug target: Rise, fall and resurrection. 12th III-International Summer School of the Institute of Pharmacology, University of Bern, 4-6 august 2013, Hôtel de Léman, Switzerland.
9. L. LAUCIELLO
Expression, purification and biochemical characterization of *P. falciparum* Calcium-dependent protein kinase 2 and beyond. Annual Meeting of FABIP group, 30 July – 3 August 2013, Chandolin (Switzerland).
10. P. GRAVEN
Purine metabolite and energy charge analysis of *Trypanosoma brucei* cells in different growth phases using an optimized ion-pair RP-HPLC/UV for the quantification of adenine and guanine pools. Annual Meeting of FABIP group, 30 July – 3 August 2013, Chandolin (Switzerland).
11. S. TARDY
Synthesis of inhibitors of oncogenic fusion protein NPM-ALK for in vitro and in vivo assays., Fall Meeting of Swiss Chemical Society, September 2013, Lausanne (Switzerland).
12. S. KADERLI
"Osteoarthritis: Novel Approaches for Viscosupplementation Therapy", BioInnovation Day, May 15, 2013, Geneva (Switzerland).
13. S. KADERLI
"Antioxidant Functionalized Hyaluronic Acid for Osteoarthritis Treatment: Biocompatibility Assessments", PhD Day, May 31 2013, Geneva (Switzerland).
14. S. KADERLI
"Synthesis and Evaluation of Antioxidant Functionalized Hyaluronic acid for Osteoarthritis Treatment", International Society for Hyaluronan Sciences fall meeting, June 2-7 2013, Oklahoma City (USA).
15. I. NOVAKOVIC
Synthesis and biochemical characterisation of thymine derivatives as reporter probes for HSV1-tk gene expression imaging with positron emission tomography. PhD day. May 5, 2013, Geneva (Switzerland).

16. L. SCAPOZZA
"From drug to target and retour : a medicinal chemistry perspective" University of Bern, May 16, 2013 (Switzerland)
17. L. SCAPOZZA
"Drug Repurposing, Phenotypic Screening and the Issue of Target Deconvolution Tackled by Computational and Experimental Complementary Approaches" CECAM Symposium, 2 October 2013, Lausanne (Switzerland)
18. G. CHIRIANO, L. SCAPOZZA
Design of a pathways-based highly diverse chemical library used for antibacterial activity screenings. Knowledge transfer event at the Basilea Pharmaceutica - Basel, Switzerland, November 2013.
19. G. CHIRIANO, L. SLEPIKAS, KRANJC, A. PIETRUCCHI, O. PATTEY, P. COSSON, H. OUERTATANI-SAKOUHI, T. SOLDATI, S. KICKA, H. HILBI, C. HARRISON, J. MCKINNEY, L. SCAPOZZA
Design and re-iterative data mining of a highly diverse chemical libraries used for antibacterial activity screenings "Host-Pathogen Interaction" retreat - Crans-Montana, Switzerland, February 2013

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. Nouvelles méthodes pour franchir la barrière cutanée. HUG Colloques de recherche en chirurgie plastique, Geneva, Switzerland, February 20, 2013.
2. Iontophoresis – Delivering charged molecules across biological membranes. Cours 4ème année – Pharmacie Galénique, Université Claude Bernard Lyon 1, Lyon, France, April 11, 2013.
3. Iontophoresis – Delivering charged molecules across biological membranes. Pharmacie Galénique, UV Industrie, Université Claude Bernard Lyon 1, Lyon, France, October 1, 2013.

4. THESIS PRESENTED

4.1. INTRA-MUROS THESIS

1. Pernilla HEUKING
Transgenic Enrichment Strategies for Cardiac Cells Derived from Mouse Embryonic Stem Cells Using HSV1-TK-Ganciclovir and CD-5-Fluorouracil.
University of Geneva – 2013– thesis N° 4542
Supervisor: Prof. Leonardo SCAPOZZA
Co-supervisor: Dr. Marisa JACONI
2. Leonardo LAUCIELLO
From Compound to Target: Chemical Proteomics and in silico Screening for Target Identification in Plasmodium falciparum.
University of Geneva – 2013– thesis N° 4531
Supervisor: Prof. Leonardo SCAPOZZA
Co-supervisor: Dr. Remo PEROZZO
3. Marieke VEURINK
Intravitreal Formulations Targeting the Retinal Vasculature in Posterior Segment Eye Diseases.
University of Geneva – 2013– thesis N° 4528
Supervisor: Prof. R. GURNY, Prof. Leonardo SCAPOZZA,
Co-supervisor: Prof. C. POURNARAS
4. Patricia GRAVEN
Genetic and chemical validation of Trypanosoma brucei adenosine kinase, the intracellular target of 4-[5-(4-phenoxyphenyl)-2H-pyrazol-3-yl]-morpholine.
University of Geneva – 2013– thesis N° 4595
Supervisor: Prof. Leonardo SCAPOZZA
Co-supervisor: Dr. Remo PEROZZO

5. Alessandra MONACO
Synthesis of Small Molecules via Click Chemistry for Positron Emission Tomography (PET) Imaging of Tumor Integrin $\alpha\beta3$ and/or $\alpha5\beta1$ Expression.
University of Geneva – 2013– thesis N° 4583
Supervisor: Prof. Leonardo SCAPOZZA
Co-supervisor: Prof. Yann SEIMBILLE
6. Hesham Mohamed Ismail HAMED
Role of oxidative stress and calcium regulation in Duchenne muscular dystrophy: Pharmacological investigations.
University of Geneva – 2013– thesis N° 4607
Supervisor: Prof. honoraire Urs RUEGG
Co-supervisor: Prof. Leonardo SCAPOZZA

4.2 EXTRA-MUROS THESIS

1. Nicole LONGONI
A Positive Feedback Loop Between ESE1/ELF3 And NF-kB Promotes Prostate Cancer Progression.
University of Geneva – 2013– thesis no 4655
Supervisor: Prof. Leonardo SCAPOZZA
Co-supervisor: Dr. Giuseppina Carbone
2. Michela BOI
Genomic Profiling of Anaplastic Large Cell Lymphoma.
University of Geneva – 2013– thesis no 4586
Supervisor: Prof. Leonardo SCAPOZZA
Co-supervisor: Dr. Francesco Bertoni
3. Lara BRAMBILLA
Targeting STAT3 for Cancer Therapy: Definition of Mechanisms of Action of Direct STAT3 Inhibitors.
University of Geneva – 2013– thesis no 4598
Supervisor: Prof. Leonardo SCAPOZZA
Co-supervisor: Dr. Carlo Catapano

4.3 JURY

1. Cristina CASETTA : Study of the composition of biologically active fractions from plant extracts by advanced techniques of HPLC and UHPLC/MS.
Thèse n°4536, Université de Turin et Université de Genève,
Direction: J.-L. VEUTHEY, Geneva, C. BICCHI, Turin

PHARMACEUTICAL TECHNOLOGIES



PROFESSOR

ALLEMANN Eric

MER

DELIE SALMON Florence
LANGE Norbert

1.1 Scientific publications (with impact factor)	6
1.2 Scientific publications (without impact factor)	3
2.1 Posters presentations	9
3.1 Congresses & Symposia	8
3.2 Continuing education & open to the public lectures	4
4.1 Thesis Jury	3

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

Journal of Controlled Release	7.63
Biomaterials	7.61
Nanomedicine	6.93
Pharmaceutical research	4.74
Bioconjugate chemistry	4.58
Journal of Pharmacology and experimental Therapeutics	3.89
European Journal of Pharmaceutics and Biopharmaceutics	3.83
International Journal of Pharmaceutics	3.46
European Journal of Pharmaceutical Sciences	2.99
Ultrasound in medicine and biology	2.46

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1.	F. DELIE, P. PETIGNAT, M. COHEN. GRP78-targeted nanotherapy against castrate-resistant prostate cancer cells expressing extracellular GRP78 protein, Targeted oncology, Dec;8(4):225-30 (2013)	2.76
2.	A. PELCZARSKA, F. DELIE, U. DOMANSKA, P.-A. CARRUPT, S. MARTEL. New high throughput screening method for drug release measurements, Eur. J. Pharm. Biopharm. 85, 151-157 (2013)	4.68
3.	C. DUBUIS, L. MAY, F. ALONSO, L. LUCA, I. MYLONAKI, P. MEDA, F. DELIE, O. JORDAN, S. DEGLISE, J.M. CORPATAUX, F SAUCY, J.A. HAEFLIGER. Atorvastatin-loaded hydrogel affects the smooth muscle cells of human veins, J Pharmacol Exp Ther, 347:574-81 (2013)	3.89
4.	G. PILEGGI, J.C. WATAHA, M. GIRARD, I. GRAD, J. SCHRENZEL, N. LANGE, S. BOUILLAGUET. Blue light-mediated inactivation of Enterococcus faecalis in vitro, Photodiagnosis Photodyn Ther, 10, 134-140 (2013)	2.24
5.	M.F. ZULUAGA, N. SEKKAT, D. GABRIEL, H. VAN DEN BERGH, N. LANGE. Selective photodetection and photodynamic therapy for prostate cancer through targeting of proteolytic activity, Mol Cancer Ther, 12, 306-313 (2013)	5.59
6.	E. AVERINA, E. ALLEMANN, Encapsulation of alimentary bioactive oils of the Baikal Lake area into pH-sensitive micro- and nanoparticles, LWT Food Sci. Technol., 53(1), 271-277 (2013)	2.55

1.2 SCIENTIFIC PUBLICATIONS (WITHOUT IMPACT FACTOR)

1. I. CONSTANTIN, P. FURRER, S. RUDAZ, G. ZELGER, A. PAROZ. Development of misoprostol suppositories for postpartum hemorrhage, *Pharmacology & Pharmacy*, 4: 71-76 (2013)
2. A. LAPP, P. FURRER, A.A RAMELET, C. AUBORT, P. AUBORT, P. LAURENT, L.A. APPLGATE, Cellular Derivatives and Efficacy in Wounds and Scar Management, *Journal of Cosmetics, Dermatological Sciences and Applications*, 3:36-45 (2013)
3. P. FURRER. The central role of excipients in drug formulation, *European Pharmaceutical Review*, 2:67-70 (2013)

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. E. ANGIBAUD, F. DELIE, E. ALLEMANN, Y.M. DUPERTUIS, C.PICHARD
"Formulation and evaluation on colorectal cancer cells of 5-fluorouracil-loaded liposomes containing n-3-polyunsaturated fatty acids. Congress of the European Society for Clinical Nutrition and Metabolism, August 30 - September 3, 2013, Leipzig (Germany)
2. A.-S. REIS, E. ANGIBAUD, Y.M. DUPERTUIS, F. DELIE, E. ALLEMANN, C. PICHARD
"Formulation et évaluation thérapeutique de liposomes contenant du 5-Fluorouracile et des acides gras polyinsaturés oméga-3 dans des modèles de cancer du côlon", Journées francophones de Nutrition, December 11-13, 2013, Bordeaux (France)
3. N. SEKKAT, A. BABIC, N. LANGE
"Peptidic scaffolds for targeted delivery of protease-sensitive photosensitizer prodrugs in photodynamic therapy. 15th Congress of the European Society for Photobiology, September 2-6, 2013, Liège (Belgium)
4. M. PLISSONNEAU, P. MOWAT, N. STRANSKY-HEILKRON, C. MARQUETTE, F. LUX, E. ALLEMANN, C. LOUIS, V. FORGE, X. MONTET, M. DUMOULIN, O. TILLEMENT
"Ciblage actif de plaques amyloïdes par des nanoparticules luminescentes à base de Gadolinium, Journée lyonnaise agents d'imagerie, 2013, Lyon (France)
5. P. MOWAT, M. PLISSONNEAU, N. STRANSKY-HEILKRON, E. ALLEMANN, X. MONTET, M. DUMOULIN, C.LOUIS, F. LUX, O. TILLEMENT, C. MARQUETTE. V. FORGE
"Targeting of Gd nanoparticles for amyloidosis diagnosis, E-MRS spring meeting, 2013, Lyon (France)
6. F. TRANQUART, B. PETIT, E. BIBEL, Y. BOHREN, F. YAN, E.ALLEMANN, M. ARDITI, J.M. HYVELIN
"Sonothrombolysis: Uncertainties represent significant hurdles for approval neurosonology Research Group, 2013, Sophia
7. N. STRANSKY-HEILKRON, M. PLISSONNEAU, P. MOWAT, M. DUMOULIN, C. LOUIS, F. LUX, O. TILLEMENT, C. MARQUETTE, V. FORGE, X. MONTET, E. ALLEMANN
"Multimodal contrast agent for the imaging of pancreatic amyloïdes in type 2 diabetes, COST TD1004 action meeting, 2013, Athens (Greece)
8. C. XAYAPHOUMMINE, A. BABIC, L. HELM, A.S. CHAUVIN, E. ALLEMANN
"A tyrosine-based amphiphilic chelating molecule for magnetic resonance imaging: Synthesis steps and characterization, COST TD1004 action meeting, 2013, Athens (Greece)
9. M. PLISSONNEAU, P. MOWAT, N. STRANSKY-HEILKRON, C. MAQUETTE. F. LUX, E. ALLEMANN, C. LOUIS, X. MONTET, M. DUMOULIN, O. TILLEMENT
"Vectorization of multimodal Gd-nanoparticles for amyloidosis diagnostic, GTRV, 2013, Orléans (France)

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. F. DELIE
Nanomedicine for ovarian cancer "Cancer de l'ovaire : mieux connaître pour mieux soigner"
Journées d'onco-gynécologie de l'Hôpital Universitaire de Genève, September 26, 2013, Geneva (Switzerland)
2. N. LANGE
"Silencing photosensitizers through nanoencapsulation"
15th Congress of the European Society for Photobiology, September 2-6, 2013, Liège (Belgium)
3. N. LANGE
"5-ALA derivatives in biophotonics: Current state of the art and recent progress+
15th Congress of the European Society for Photobiology, September 2-6, 2013, Liège (Belgium)
4. A. BABIC, S. LAMPRIANOU, H. GLOMBIK, H.P. JURETSCHKE, P. MEDA, N. LANGE
"Developing multivalent sulphonylurea probes for beta cell imaging"
15th Congress of the European Society for Photobiology, September 2-6, 2013, Liège (Belgium)
5. A. BABIC, N. FOTINOS, V. HERGEG, M. CAMPO, N. LANGE
"On the metabolism of 5-aminolevulinic acid derivatives"
15th Congress of the European Society for Photobiology, September 2-6, 2013, Liège (Belgium)
6. E. ALLEMANN
"It's not always necessary to think "nanomedicine""
First seminar of engineering, health and analysis, May 4-6, 2013, Alger (Algeria)
7. E. ALLEMANN
"Nano et microconstructions pour délivrer des agents thérapeutiques et diagnostiquer des maladies"
CHUV, June 27, 2013, Lausanne (Suisse)
8. E. ALLEMANN
"Ultrasound-sensitive microbubbles for stroke therapy - toward understanding of the mechanisms of blood clot destruction with microbubbles, ultrasound and rtPA"
COST TD1004, September 2-3, 2013, Athens (Greece)

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. N. LANGE
Bench to bedside translation of porphyrins.
Advanced Molecular Imaging and its Clinical Translation, CME Course, Harvard Medical School, October 2013, Boston (USA)
2. N. LANGE
Optical Methods for Molecular Imaging.
Advanced Methods for Diagnostic Imaging, Technical University Prague, January 2013, Kladno, (CZ)
3. P. FURRER
Cours de master en pharmacie et master en pharmacie industrielle MIP (Drug Delivery and Drug Targeting): Ophthalmic devices/dermopharmacy, December 2013, Zürich (CH)
4. P. FURRER
Cours préparatoire à l'année d'assistantat pour pharmaciens d'officine, April 2013, Lausanne (CH)

4. THESIS PRESENTED

4.1 THESIS JURY

1. Thèse Anne-Laure LAINE,
Université d'Angers, December 5, 2013, rapporteur
2. Thèse Philippe EUGSTER,
Université de Genève, August 29, 2013
3. Thèse Eyad ALMOUAZEN,
UCB Lyon, July 18, 2013

PHARMACOCEMISTRY



PROFESSOR

CARRUPT Pierre-Alain

1.1 Scientific publications (with impact factor)	16
2.1 Posters presentations	13
3.1 Congresses & Symposia	6
3.2 Continuing education & open to the public lectures	3
3.3 radio/Television Intervention	1
4.1 Thesis Presented (intra-muros)	2
4.2 Thesis Jury	4

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

Anal.Chem.	5.69
J.Med.Chem.	5.61
Mol. Neurodeg.	4.01
Eur.J.Med.Chem.	3.49
Chemistry - A European Journal	5.83
J.Pharm.Sci.	3.13
Bioorgan.Med.Chem	3.15
Curr Topics Med. Chem	3.70
Eur.J.Pharm.Sci.	2.98
J. Chem.Info.Model	4.30

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1. K. VUIGNIER, D. GUILLARME, J.L. VEUTHEY, P.A. CARRUPT, J. SCHAPPLER. High performance affinity chromatography (HPAC) as a high throughput screening tool in drug discovery to study drug-plasma protein interactions. *J.Pharm.Biomed.Anal.*, 2013, 74:205-212. doi.org/10.1016/j.jpba.2012.10.030. 2.94
2. S. MARTEL, F. GILLERAT, E. CAROSATI, D. MAIARELLI, I. TETKO, R. MANNHOLD, P.A. CARRUPT. Large chemically diverse dataset of log P measurements for benchmarking studies. *Eur.J.Pharm.Sci.*, 2013, 48:21-29. doi.org/10.1016/j.ejps.2012.10.019. 2.98
3. C. BOCHOT, E. FAVRE, C. DUBOIS, B. BAPTISTE, L. BUBACCO, P.A. CARRUPT, G. GELLON, R. HARDRÉ, D. HUNEAU, Y. MOREAU, A. NURISSO, M. RÉGLIER, G. SERRATRICE, C. BELLE, H. JAMET. Unsymmetrical binding modes of HOPNO inhibitor of tyrosinase: from model complexes to the enzyme. *Chem.Eur.J.*, 2013, 19:3655-3664. doi.org/10.1002/chem.201202643. 5.83
4. C.S. PASSOS, C. SIMOES PIRES, A. NURISSO, T.C. SOLDIA, L. KATOC, C.M.A. DE OLIVEIRA, E.O. DE FARIAC, L. MARCOURT, P.A. CARRUPT, A.T. HENRIQUES. Indole alkaloids of *Psychotria* as multifunctional cholinesterases and monoamine oxidases inhibitors. *Phytochemistry*, 2013, 86: 8-20. doi.org/10.1016/j.phytochem.2012.11.015. 3.05
5. C. SIMOES PIRES, V. ZWICK, A. NURISSO, E. SCHENKER, P.A. CARRUPT, M. CUENDET. HDAC6 as a target for neurodegenerative diseases: what makes it different from the other HDACs? *Mol.Neurodegeneration*, 2013, 8: 7. doi.org/10.1186/1750-1326-8-7. 4.01

6. I. CESARI, M. HOERLÉ, C. SIMOES-PIRES, P. GRISOLI, E. FERREIRA QUEIROZ, C. DACARRO, L. MARCOURTS, P.F. MOUNDIPA, P.A. CARRUPT, M. CUENDET, G. CACCIALANZA, J.L. WOLFENDER, G. BRUSOTTI. Anti-inflammatory antimicrobial and antioxidant activities of *Diospyros bipindensis* (Gürke) extracts and its main constituents. *J.Ethnopharmacol.*, 2013, 146:264-270. 2.75
7. A. PELSCZARSKA, F. DELIE, U. DOMANSKA, P.A. CARRUPT, S. MARTEL. New high throughput screening method for drug release measurements. *Eur.J.Pharm.Biopharm.*, 2013, 85: 151-157. doi.org/10.1016/j.ejpb.2013.02.012. 3.82
8. K. VUIGNIER, J.L. VEUTHEY, P.A. CARRUPT, J. SCHAPPLER. Global analytical strategy to measure drug-plasma protein interactions: from high throughput to in-depth analysis. *Drug.Disc.Today*, 2013, 18: 1030-1034. doi.org/10.1016/j.drudis.2013.04.006. 6.55
9. K. VUIGNIER, S. FEKETE, P.A. CARRUPT, J.L. VEUTHEY, D. GUILLARME. Comparison of various silica-based monoliths for the analysis of large biomolecules. *J.Sep.Sci.*, 2013, 36:2231-2243. doi.org/10.1002/jssc.201300323. 2.59
10. L. SACCONNAY, D. SMIRILIS, E. FERREIRA QUEIROZ, J.L. WOLFENDER, M. SOARES, P.A. CARRUPT, A. NURISSO. Structural insights of SIR2rp3 proteins as promising biotargets to fight against Chagas disease and Leishmaniasis. *J. Mol. Biosys.*, 2013, 9: 2223-2230. doi.org/10.1039/C3MB70180H. 3.35
11. C. PASSELEU-LE BOURDONNEC, P.A. CARRUPT, J.M. SCHERRMANN, S. MARTEL. Methodologies to assess drug permeation through the blood-brain barrier for pharmaceutical research. *Pharm.Res.*, 2013, 30: 2729-2756. doi.org/10.1007/s11095-013-1119-z. 4.75
12. J. FLIEGMANN, S. CANOVA, C. LACHAUD, S. UHLENBROICH, V. GASCIOLLI, C. PICHEREAUX, M. ROSSIGNOL, C. ROSENBERG, M. CUMENER, D. PITTORE, B. LEFEBVRE, C. GOUGH, E. SAMAIN, S. FORT, H. DRIGUEZ, B. VAUZEILLES, J.M. BEAU, A. NURISSO, A. IMBERTY, J. CULLIMORE, J.J. BONO. Lipochitooligosaccharidic symbiotic signals are recognized by LysM receptor-like kinase LYR3 in the legume medicago truncatula. *ACS Chem.Biol.*, 2013, 8: 1900-1906. doi.org/10.1021/cb400369u. 5.44
13. K. VUIGNIER, J.L. VEUTHEY, P.A. CARRUPT, J. SCHAPPLER. Analytical strategy to characterize drug-plasma interactions: from high throughput to in-depth analysis. *Chimia*, 2013, 67:739. doi.org/10.2533/chimia.2013.739. 1.04
14. M. DE CANDIA, F. FIORELLA, G. LOPOPOLO, A. CAROTTI, M.R. ROMANO, M.D. LOGRANO, S. MARTEL, P.A. CARRUPT, B.D. BELVISO, R. CALIANDRO, C. ALTOMARE. Synthesis and biological evaluation of direct thrombin inhibitors bearing 4-piperidin-1-yl pyridine at the P1 position with potent anticoagulant activity. *J.Med.Chem.*, 2013, 56:8696-8711. doi.org/10.1021/jm401169a. 5.61
15. E. GIACOMELLI, S. BERTRAND, A. NIEVERGELT, V. ZWICK, C. SIMOES-PIRES, L. MARCOURT, E. RIVARA-MINTEN, M. CUENDET, A. BISIO, J.L. WOLFENDER. Cancer chemopreventive diterpenses from *Salvia corrugata*. *Phytochem.*, 2013, 96: 257-264. doi: 10.1016/j.phytochem.2013.09.011- 3.05
16. A.A.R. SILVA, M.M. BEZERRA, H.V. CHAVES, K.M.A. PEREIRA, J.A. AGUIAR, V.P.T. PINTO, C. ABBET, C.A. SIMOES-PIRES, E.S. FRANCO, A.T. HENRIQUES, K. HOSTETTMANN, M.B.S. MAIA. Protective effect of *Chresta martii* extract against indomethacin-induced gastric lesions in mice. *Journal of natural medicines*, 2013, 67: 143-151. Doi: 10.1007/s11418-012-0663-x. 1.52

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. L. SACCONNAY, M.B.P. SOARES, D. SMIRILIS, E. FERREIRO QUEIROZ, J.-L. WOLFENDER, P.-A. CARRUPT, A. NURISSO. Structural insights of SIR2rp3 proteins as promising biotargets to fight against Chagas disease and Leishmaniasis. UGM 2013, April 8-11, 2013, Amsterdam (The Netherlands).
2. K. VUIGNIER, S. FEKETE, P.-A. CARRUPT, J.-L. VEUTHEY, D. GUILLARME. Comparison of various silica-based monoliths for the analysis of large biomolecules. HPLC 2013, June 16-20, 2013, Amsterdam (The Netherlands).
3. K. VUIGNIER, J.-L. VEUTHEY, P.-A. CARRUPT, D. GUILLARME. Global analytical strategy to characterize drug-plasma protein interactions: from high throughput to in-depth analysis. HPLC 2013, June 16-20, 2013, Amsterdam (The Netherlands).

4. L. RYCKEWAERT, L. SACCONNAY, C. DOS SANTOS PASSOS, C. SIMOES-PIRES, A. NURISSO, A. HENRIQUES, P.-A. CARRUPT.
Biological and computational evaluation of alkaloids from Psychotria as Sirtuin inhibitors. RICT Drug Discovery and Selection, July 3-5, 2013, Nice (France).
5. C. DOS SANTOS PASSOS, C. SIMOES-PIRES, A. NURISSO, L. CARLOS KLIEN JUNIOR, M. C. GUERRA, L. KATO, C. GOTTFRIED, A. HENRIQUES, P.-A. CARRUPT.
Effects of E-Vallesiachotamine and prunifoleine in neurodegeneration targets and in the viability of strogial cells. RICT Drug Discovery and Selection, July 3-5, 2013, Nice (France).
6. C. DOS SANTOS PASSOS, C. SIMOES-PIRES, A. NURISSO, C. GOTTFRIED, A. HENRIQUES, P.-A. CARRUPT.
Psychotria Alkaloids: multi-active compounds on enzymatic targets related to neurodegenerative diseases. JSM, Grenoble (France).
7. L. SACCONNAY, M. ANGLEVIEL, G. MARCO RANDAZZO, M.M. FERREIRA QUEROZ, E. FERREIRA QUEIROZ, J.-L. WOLFENDER, P.-A. CARRUPT, A. NURISSO.
Antitrypanosomal natural compounds and epigenetics: a target-fishing approach involving Sirtuins. RICT Drug Discovery and Selection, July 3-5, 2013, Nice (France).
8. A. NURISSO, R. WALKER, V. MARTEL-FRACHET, M. KERAMIDAS, D. SHOUFIAS, A. BOUMENDJEL, P.-A. CARRUPT, X. RONOT.
In silico investigations of a new flavonoid derivative as a potential tubulin inhibitor targeting bladder carcinoma. Gordon Research Conference on Computer-Aided Drug Design, July 21-26, 2013, West Dover, VT (USA)
9. A. BUJARD, M. SOL, P.-A. CARRUPT, S. MARTEL.
A new high-throughput screening test measuring human serum albumin dissociation constants and artificial permeability using one end-point measurement. Swiss Pharma Day, August 28, 2013, Bern (Switzerland).
10. V. ZWICK, E. GIACOMELLI, C. SIMOES-PIRES, S. BERTRANDS, A. NURISSO, L. MARCOURT, E. RIVARA-MINTEN, A. BISIO, J.-L. WOLFENDER, P.-A. CARRUPT, M. CUENDET.
Structural features for HDAC6 inhibitory specificity of *Salvia corrugata* Vahl. Diterpene α -hydroxyquinones. Swiss Pharma Day, August 28, 2013, Bern (Switzerland).
11. N. OBERHAUSER, A. NURISSO, P.-A. CARRUPT.
MLP-Tools: a software package to apply the Molecular Lipophilicity Potential in PyMOL. Swiss Pharma Day, August 28, 2013, Bern (Switzerland).
12. L. RYCKEWAERT, L. SACCONNAY, C. DOS SANTOS PASSOS, C. SIMOES-PIRES, A. NURISSO, A. HENRIQUES, P.-A. CARRUPT.
Biological and computational evaluation of alkaloids from Psychotria as Sirtuin inhibitors. Swiss Pharma Day, August 28, 2013, Bern (Switzerland).
13. C. SIMOES-PIRES, S. BERTRAND, L. MARCOURT, T. D. BACH, M. LITAUDON, D. GUILLET, P. RICHOMME, J.-L. WOLFENDER.
Guttiferones as acetylcholinesterase inhibitors retrieved by normal phase HPLC profiling of apolar plant extracts. RICT Drug Discovery and Selection, July 3-5, 2013, Nice (France).

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. N. OBERHAUSER.
MLP Tools; A PyMOL plugin to apply the molecular lipophilicity potential in computer-aided drug design. PhD Day 2013, Geneva (Switzerland).
2. A. NURISSO.
Homology Modelling and Molecular Dynamics. Microbial infection from the chemistry perspective: the bottom-up approach, winter school COST BM1003, University San Pablo CEU, January 24, 2013, Madrid (Spain).

3. A. NURISSO.
Computational Strategies for the Study of HDACs: a Focus on HDAC6. 28^{ème} Séminaire en Sciences pharmaceutiques, September 9-13, 2013, Zermatt (Switzerland)
4. C. SIMOES-PIRES.
The role of HDACs in neurodegenerative diseases. 28^{ème} Séminaire en sciences pharmaceutiques, September 9-13, 2013, Zermatt (Switzerland).
5. A. NURISSO.
Structural insights of SIR2 proteins from *T. cruzi* as promising targets to fight against Chagas disease. 2nd MedChem & CADD-2013 conference, October 15, 2013, Las Vegas (USA)
6. S. ROMAND.
Détermination de pKa par focalisation isoélectrique capillaire (cIEF). V^{ème} journées scientifiques du Club Jeunes de l'AfSep, October 25, 2013, Lyon (France).

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. P.-A. CARRUPT.
Les fondamentaux de la chimie médicinale, planche de salut pour la découverte de nouveaux médicaments? Formation continue pour pharmacien, Uni Mail, March 2013, Geneva (Switzerland).
2. A. NURISSO
Invited professor, Université Joseph-Fourier, DPM, November 30 - December 1st, 2013, Grenoble (France)
3. A. NURISSO.
La modélisation moléculaire en pharmacochimie. Cours M2, Chimie Médicinale et Innovation Pharmacologique (CHIP), Université Joseph Fourier, October 2013 (20h), Grenoble (France)

3.3 RADIO/TELEVISION INTERVENTION

1. P.-A. CARRUPT.
Accréditation de l'EPGL.
pharmaJournal, March 13, 2013.

4. THESIS PRESENTED

4.1. INTRA-MUROS THESIS

1. Céline LE BOURDONNEC-PASSELEUR
Prediction of Passive Blood-Brain Barrier. Permeability with PAMPA: from Small Molecules to Complex Formulations.
University of Geneva – 2013 – Thesis N° 4573
Supervisor: Pierre-Alain CARRUPT
2. Philippe EUGSTER
Strategies for high resolution profiling of natural extracts: UHPLC-MS and physicochemical approaches for early metabolite identification.
University of Geneva – 2013. Thesis N° 4589
Supervisor : Pierre-Alain CARRUPT
Co-supervisor: Jean-Luc WOLFENDER

4.2 THESIS JURY

1. Anne ZUFFEREY
A network-based approach to elucidate determinants of platelet reactivity in aspirin-treated cardiovascular patients.
Université de Genève - 2013
2. Antonella FEDERICO
The Multi Target Drug Approach in Alzheimer Disease Therapy.
Université de Turin - 2013
3. Cristina CASSETTA
Study of the composition of biologically active fractions from plant extracts by advances techniques of HPLC and UHPLC/MS.
Université de Turin - 2013
4. Amélie LEVET
Contributions pour une méthodologie générale de substitution de solvants: classification des solvants et modélisations QSAR des propriétés écotoxicologiques.
Université Claude Bernard Lyon - 2013

PHARMACOGNOSY



PROFESSOR

Muriel CUENDET

MER

Philippe CHRISTEN

1.1 Scientific publications (with impact factor)	11
2.1 Posters presentations	14
3.1 Congresses & Symposia	5
3.2 Continuing education & open to the public lectures	1
4.1 Thesis Jury	3

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

Cancer Res	8.65
Clin Cancer Res	7.83
Cancer Prev Res	4.89
J Biol Chem	4.65
J Nat Prod	3.28
Phytochemistry	3.05
J Agr Food Chem	2.90
J Ethnopharmacol	2.75
Phytochem Analysis	2.48
Planta Med	2.34

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

- G. BAYIHA BA NJOCK, T.A. BARTHOLOMEUSZ, D. NGONO BIKOBO, M. FOROOZANDEH, R. SHIVAPURKAR, P. CHRISTEN, D.E. PEGNYEMB, D. JEANNERAT. Structure and dynamic of three indole alkaloids from *Campylospermum* genus (Ochnaceae). *Helvetica Chimica Acta* (2013), 1298, 1303. 1.38
- I. CESARI, M. HOERLE, C. SIMOES-PIRES, P. GRISOLI, E.FERREIRA QUEIROZ, C. DACARRO, L. MARCOURT, P.F. MOUNDIPA, P.A. CARRUPT, M. CUENDET, G. CACCIALANZA, J.L. WOLFENDER, G. BRUSOTTI. Anti-inflammatory, antimicrobial and antioxidant activities of *Diospyros bipindensis* (Gürke) extracts and its main constituents. *Journal of Ethnopharmacology* (2013), 146, 264-270. 2.75
- V. DUPLAN, C. SERBA, J. GARCIA, G. VALOT, S. BARLUENGA, M. HOERLE, M. CUENDET, N. WINSSINGER. Synthesis of sesquiterpene-inspired derivatives designed for covalent binding and their inhibition of the NF- κ B pathway. *Organic & Biomolecular Chemistry* (2013), 12, 370-375. 3.56
- E. GIACOMELLI, S. BERTRAND, A. NIEVERGELT, V. ZWICK, C. SIMOES-PIRES, L. MARCOURT, E. RIVARA-MINTEN, M. CUENDET, A. BISIO, J.L. WOLFENDER. Cancer chemopreventive diterpenes from *Salvia corrugata*. *Phytochemistry* (2013), 96, 257-264. 3.05
- M. HUMAM, T. SHOUL, D. JEANNERAT, O. MUÑOZ, P. CHRISTEN. Comment on the manuscript of Muñoz M.A. et al. published in *Phytochemistry Letters* (2012) 5: 450-454 entitled "Absolute configuration and stereochemical analysis of 3 α , 6 β -dibenzoyloxytropane". *Phytochemistry Letters* (2013), 6, 90. 1.17
- C. MATHON, B. BONGARD, M. DURET, D. ORTELLI, P. CHRISTEN, S. BIERI. Analysis of the neurotoxin anisatin in star anise by LC-MS/MS. *Food Additives & Contaminants, Part A* (2013), 30, 1598-605. 2.20

- | | | |
|-----|--|------|
| 7. | C. MATHON, M. DURET, M. KOHLER, P. EDDER, S. BIERI, P. CHRISTEN. Multi-targeted screening of botanicals in food supplements by liquid chromatography with tandem mass spectrometry. <i>Food Chemistry</i> (2013), 138 (1), 709-717. | 3.33 |
| 8. | O. MUÑOZ, J.D. MAYA, J. FERREIRA, P. CHRISTEN, J. SAN MARTIN, R. LOPEZ-MUÑOZ, A. MORELLO, U. KEMMERLING. Medicinal plants from Chile: Evaluation of the anti-Trypanosoma cruzi activity. <i>Zeitschrift für Naturforschung C</i> (2013), 68C, 198-202. | 0.60 |
| 9. | M.A. MORALES, F. AHUMADA, E. CASTILLO, R. BURGOS, P. CHRISTEN, V. BUSTOS, O. MUÑOZ. Inhibition of cholinergic contractions of rat ileum by tropane-type alkaloids present in <i>Shizanthus hookeri</i> . <i>Zeitschrift für Naturforschung C</i> (2013) 68C, 203-209. | 0.60 |
| 10. | M. PEREZ-FEHRMANN, V. KESTERNICH, F. VERDUGO, L. MARCOURT, P. CHRISTEN, I. BRITO. H and 13C NMR spectral assignments and X-ray crystallography of N-(3-(1H-imidazol-1-yl)propyl)-2-phenylquinazolin-4-amine. <i>Journal of the Chilean Chemical Society</i> (2013), 58, 1553-1556. | 0.37 |
| 11. | C. SIMOES-PIRES, V. ZWICK, A. NURISSO, E. SCHENKER, P.A. CARRUPT, M. CUENDET. HDAC6 as a target for neurodegenerative diseases: what makes it different from the other HDACs? <i>Molecular Neurodegeneration</i> (2013), 8, 7. | 4.07 |

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. A. HAOUALA, J. FALQUET, B. GRAZ, C. SIMOES-PIRES, I. SAGARA, O.K. DOUMBO, R. SANOGO, S. FERRER, A. GARCIA, M. SANTOS MARTINEZ, X. DING, M. CUENDET, P. CHRISTEN
Pharmacokinetics of alkaloids isolated from a traditional antimalarial decoction of *Argemone mexicana* L. in CD1 mice and in humans. 39th International Symposium on High-Performance-Liquid-Phase Separations and Related Techniques, June 16-20, 2013, Amsterdam (The Netherlands).
2. O. CICLET, C. CONAN, Q. FAVRE-GODAL, E.FERREIRA QUEIROZ, J.L. WOLFENDER, M. CUENDET
Root bark of *Morinda tomentosa* L., a source of NAD(P)H quinone oxidoreductase 1 inducing anthraquinones. *Phytochemical Society of Europe, Natural Products in Cancer Therapy*, June 25-28, 2013, Naples (Italy).
3. C. MATHON, B. BONGARD, M. DURET, D. ORTELLI, P. CHRISTEN, S. BIERI
Anisatin: a neurotoxin occurring in various star anise species. Current and future food safety issues: Not Intentionally Added Substances (NIAS), Swiss Food Science Meeting, June 27-28, 2013, Neuchâtel (Switzerland).
4. C. MATHON, M. DURET, M. KOHLER, P. EDDER, S. BIERI, P. CHRISTEN
Analytical strategy for the screening of botanicals in food supplements. Current and future food safety issues: Not Intentionally Added Substances (NIAS), Swiss Food Science Meeting, June 27-28, 2013, Neuchâtel (Switzerland).
5. M.L. ZERAIK, E.FERREIRA QUEIROZ, I. CASTRO-GAMBOA, D.H.S. SILVA, M. CUENDET, J.L. WOLFENDER, V. BOLZANI
Phytochemical analysis of an exotic Brazilian fruit, *Spondias tuberosa*, using 2D MPLC x UHPLC/TOF/MS monitoring. Annual Meeting of the American Society of Pharmacognosy, July 13-17, 2013, St. Louis, MO (USA).
6. M.L. ZERAIK, E.FERREIRA QUEIROZ, I. CASTRO-GAMBOA, D.H.S. SILVA, M. CUENDET, J.L. WOLFENDER, V. BOLZANI
One step isolation of bioactive compounds from exotic Brazilian fruit using 2D MPLC x UHPLC/TOF/MS monitoring. *IUPAC 2013, August 11-16, 2013, Istanbul (Turkey)*.
7. C. MATHON, B. BONGARD, M. DURET, D. ORTELLI, P. CHRISTEN, S. BIERI
Anisatin: a neurotoxin occurring in various star anise species. *Swiss Pharma Science Day*, August 28, 2013, Bern (Switzerland).
8. C. MATHON, M. DURET, M. KOHLER, P. EDDER, S. BIERI, P. CHRISTEN
Analytical strategy for the screening of botanicals in food supplements.

9. V. ZWICK, E. GIACOMELLI, C. SIMOES-PIRES, S. BERTRAND, A. NURISSO, L. MARCOURT, E. RIVARA-MINTEN, A. BISIO, J.L. WOLFENDER, P.A. CARRUPT, M. CUENDET
Structural features for HDAC6 inhibitory specificity of *Salvia corrugata* Vahl. diterpene α -hydroxyquinones.
10. M.M.FERREIRA QUEIROZ, M.L. ZERAIK, E.FERREIRA QUEIROZ, L. MARCOURT, I. CASTRO-GANBOA, V. BOLZANI, M. CUENDET, J.L. WOLFENDER
Acetylcholinesterase inhibitors from *Tetrapteryx mucronata*. 61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1-5, 2013, Münster (Germany).
11. A.L. SKALTSOUNIS, E. MIKROS, H. STUPPNER, J. ROLLINGER, J.L. WOLFENDER, M. CUENDET
Integrated technologies for the discovery and development of cosmeceutical agents from plant biodiversity - NATPROTEC project. 61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1-5, 2013, Münster (Germany).
12. M.L. ZERAIK, E.FERREIRA QUEIROZ, O. CICLET, M. CUENDET, J.L. WOLFENDER, V. BOLZANI
Chemical composition, cancer chemopreventive and acetylcholinesterase activities of *Spondias tuberosa*. 61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1-5, 2013 Münster (Germany).
13. M.L. ZERAIK, E.FERREIRA QUEIROZ, I. CASTRO-GAMBOA, M. CUENDET, J.L. WOLFENDER, M.Q. PAULO, V. BOLZANI
A new compound from *Spondias tuberosa* and isolation of bioactive compounds using 2D MPLC x UHPLC/TOF/MS monitoring. Swiss Chemical Society, September 6, 2013, Lausanne (Switzerland).
14. C. MATHON, P. EDDER, S. BIERI, P. CHRISTEN
Unexpected occurrence of caffeine in sleep inducing beverages. Meeting of Swiss Analytical Scientists CHanalysis, November 29-30, 2013, Beatenberg (Switzerland).

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. M. CUENDET
Les composés naturels en tant qu'agents de chimioprévention. CNRS, January 10, 2013, Nantes (France).
2. M. CUENDET
Natural Products as Chemopreventive Agents. Federal University of Paraíba, July 4, 2013, João Pessoa (Brazil).
3. M. CUENDET
Method and result optimizations in the search for cancer chemopreventive natural products. 61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1st, 2013, Münster (Germany).
4. M. CUENDET
HDAC inhibitors from nature for cancer chemoprevention. 28^{ème} Séminaire en Sciences Pharmaceutiques, September 9-13, 2013, Zermatt (Switzerland).
5. M. CUENDET
Chimioprévention du cancer: rôle des HDACi provenant de plantes. Epinantes Congress, October 15, 2013, Nantes (France).

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. P. CHRISTEN
Douleurs et Cannabis médical. Formation continue, September 24, 2013, Geneva (Switzerland).

4. THESIS PRESENTED

4.1 THESIS JURY

1. Nicole LONGONI
A Positive Feedback Loop Between ESE1/ELF3 and NF-kB Promotes Prostate Cancer Progression.
University of Geneva - 2013 - thesis N° 4655
Supervisor: Prof. Leonardo SCAPOZZA
Co-supervisor: Dr G. CARBONE, Laboratory of Experimental Oncology, Bellinzona
2. Verena GOTTA
Application and Evaluation of Population Pharmacokinetics for Imatinib Dosage Individualization.
University of Geneva - 2013 - thesis N° 4561
Supervisor: Prof. Chantal CSAJKA
Co-supervisor: Prof. Thierry BUCLIN, Biomedicine department, Faculty of Biology and Medicine, University of Lausanne
3. Laila EL BOUZIDI
Contribution à la valorisation et à la protection de certaines plantes aromatiques et médicinales marocaines: Achillea ageratum, Thymus broussonetii, Thymus maroccanus et Thymus satureioides et Whithania frutescens.
University of Marrakech - Faculty of Sciences, Morocco
Supervisor: Prof. Khalid BEKKOUCHE

PHYTOCHEMISTRY AND BIOACTIVE NATURAL PRODUCTS



PROFESSOR

Jean-Luc WOLFENDER

MER

Emerson FERREIRA QUEIROZ

1.1 Scientific publications (with impact factor)	20
1.2 Scientific publications (without impact factor)	1
1.4 Book or book chapters	4
2.1 Posters presentations	23
3.1 Congresses & Symposia	31
3.2 Continuing education & open to the public lectures	6
4.1 Thesis Presented (intra-muros)	1
4.2 Thesis Jury	6

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

Angewandte Chemie International	13.7
Anal. Chem.	5.69
J. Biol. Chem.	4.65
J. Chromatogr. A	4.61
PLOS One	3.73
Molecular Biosystems	3.35
J. Nat. Prod.	3.28
Phytochemistry	3.05
J. Agr. Food Chem.	2.90
Journal of Ethnopharmacology	2.77
J. Chromatogr. B	2.48
Planta Medica	2.34

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1. S. BERTRAND, O. SCHUMPP, N. BOHNI, A. BUJARD, A. AZZOLLINI, M. MONOD, K. GINDRO, J.-L. WOLFENDER : Detection of metabolite induction in fungal co-cultures on solid media by high-throughput differential ultra-high pressure liquid chromatography–time-of-flight mass spectrometry fingerprinting. *J Chromatogr A*, 1292, 219-228 (2013) 4.61
2. S. BERTRAND, O. SCHUMPP, N. BOHNI, M. MONOD, K. GINDRO, J.-L. WOLFENDER : De Novo Production of Metabolites by Fungal Co-culture of *Trichophyton rubrum* and *Bionectria ochroleuca*. *J. Nat. Prod.*, 76, 1157-1165 (2013) 3.28
3. N. BOHNI, A. M. MALDONADO, D. SIVERIO-MOTA, L. MARCOURT, S. MUNCK, A. KAMUHABWA, C. ESGUERRA, P. DE WITTE, A. CRAWFORD, J.-L. WOLFENDER : Integration of Microfractionation, qNMR and Zebrafish Screening for the In Vivo Bioassay-Guided Isolation and Quantitative Bioactivity Analysis of Natural Products. *PLOS One*, 8, e64006. doi:64010.61371/journal.pone.0064006 (2013) 3.73
4. A. BOUMENDJEL, G. SOTOING TAIWE, E. NGO BUM, T. CHABROL, C. BENEY, V. SINNIGER, R. HAUDECOEUR, L. MARCOURT, S. CHALLAL, E. FERREIRA QUEIROZ, F. SOUARD, M. LE BORGNE, T. LOMBERGET, A. DEPAULIS, C. LAVAUD, R. ROBINS, J.-L. WOLFENDER, B. BONAZ, M. DE WAARD : Occurrence of the Synthetic Analgesic Tramadol in an African Medicinal Plant. *Angew. Chem. Int. Ed.*, 52, 11780-11784 (2013). *Research highlight published on *Nature* (Impact factor 38.6). Natural products: African tree gets to the root of pain. *Nature* 501, 285-285 (2013). 13.7

5. A. I. CALDERON, A. HODEL, J.-L. WOLFENDER, M. P. GUPTA, M. CORREA, K. HOSTETTMANN : LC-DAD-MS-based metabolite profiling of three species of *Justicia* (Acanthaceae). *Nat. Prod. Res.*, 27, 1335-1342 (2013) 1.03
6. I. CESARI, M. HOERLE, C. SIMOES-PIRES, P. GRISOLI, E. F. QUEIROZ, C. DACARRO, L. MARCOURT, P. F. MOUNDIPA, P. A. CARRUPT, M. CUENDET, G. CACCIALANZA, J. L. WOLFENDER, G. BRUSOTTI : Anti-inflammatory, antimicrobial and antioxidant activities of *Diospyros bipindensis* (Gurke) extracts and its main constituents. *J Ethnopharmacol*, 146, 264-270 (2013) 2.77
7. I. CESARI, E. F. QUEIROZ, Q. FAVRE-GODAL, L. MARCOURT, G. CACCIALANZA, P. F. MOUNDIPA, G. BRUSOTTI, J.-L. WOLFENDER : Extensive phytochemical investigation of the polar constituents of *Diospyros bipindensis* Gürke traditionally used by Baka pygmies. *Phytochemistry*, 96, 279-287 (2013) 3.57
8. A. CHAUVIN, D. CALDELARI, J. L. WOLFENDER, E. E. FARMER : Four 13-lipoxygenases contribute to rapid jasmonate synthesis in wounded *Arabidopsis thaliana* leaves: a role for lipoxygenase 6 in responses to long-distance wound signals. *New Phytol.*, 197, 566-575 (2013) 6.73
9. R. COLOMBO, J. H. YARIWAKE, E. FERREIRA QUEIROZ, K. NDJOKO, K. HOSTETTMANN : LC-MS/MS analysis of sugarcane extracts and differentiation of monosaccharides moieties of flavone c-glycosides. *J. Liq. Chromatogr. Relat. Technol.*, 36, 239-248 (2013) 0.56
10. Q. FAVRE-GODAL, E. FERREIRA QUEIROZ, J. L. WOLFENDER : Latest Developments in Assessing Antifungal Activity Using TLC-Bioautography: A Review. *J. AOAC Int.*, 96, 1175-1188 (2013) 1.23
11. E. GIACOMELLI, S. BERTRAND, A. NIEVERGELT, V. ZWICK, C. SIMOES-PIRES, L. MARCOURT, E. RIVARA-MINTEN, M. CUENDET, A. BISIO, J.-L. WOLFENDER : Cancer chemopreventive diterpenes from *Salvia corrugata*. *Phytochemistry*, 96, 257-264 (2013) 3.05
12. G. GLAUSER, N. VEYRAT, B. ROCHAT, J. L. WOLFENDER, T. C. TURLINGS : Ultra-high pressure liquid chromatography-mass spectrometry for plant metabolomics: a systematic comparison of high-resolution quadrupole-time-of-flight and single stage Orbitrap mass spectrometers. *J Chromatogr A*, 1292, 151-159 (2013) 4.61
13. G. MARTI, M. ERB, J. BOCCARD, G. GLAUSER, G. R. DOYEN, N. VILLARD, C. A. ROBERT, T. C. TURLINGS, S. RUDAZ, J. L. WOLFENDER : Metabolomics reveals herbivore-induced metabolites of resistance and susceptibility in maize leaves and roots. *Plant Cell Environ*, 36, 621-639 (2013) 5.13
14. F. MEHL, G. MARTI, J. BOCCARD, B. DEBRUS, P. MERLE, E. DELORT, L. BAROUX, V. RAYMO, M. I. VELAZCO, H. SOMMER, J.-L. WOLFENDER, S. RUDAZ : Différentiation d'huile essentielle de citron basée sur l'analyse des fractions volatile et non-volatile par plusieurs techniques analytiques : une approche métabolomique. *Spectra Analyse*, 294, 48-56 (2013) 0.29
15. J. POLASEK, E. FERREIRA QUEIROZ, L. MARCOURT, A. K. MELIGOVA, M. HALABALAKI, A.-L. SKALTSOUNIS, M. N. ALEXIS, B. PRAJOGO, J.-L. WOLFENDER, K. HOSTETTMANN : Peltogynoids and 2-Phenoxychromones from *Peltophorum pterocarpum* and Evaluation of Their Estrogenic Activity. *Planta Med.*, 79, 480-486 (2013) 2.34
16. S. RAHTE, R. EVANS, P. J. EUGSTER, L. MARCOURT, J.-L. WOLFENDER, A. KORTENKAMP, D. TASDEMIR : *Salvia officinalis* for Hot Flushes: Towards Determination of Mechanism of Activity and Active Principles. *Planta Med*, 79, 753-760 (2013) 2.34
17. L. SACCONNAY, D. SMIRLIS, E. FERREIRA QUEIROZ, J. L. WOLFENDER, M. B. PERREIRA SOARES, P.-A. CARRUPT, A. NURISSO : Structural insights of SIR2rp3 proteins as promising biotargets to fight against Chagas disease and leishmaniasis. *Molecular Biosystems*, 9, 2223-2230 (2013) 3.35
18. S. SCHNEE, E. FERREIRA QUEIROZ, F. VOINESCO, L. MARCOURT, P. H. DUBUIS, J. L. WOLFENDER, K. GINDRO : *Vitis vinifera* canes, a new source of antifungal compounds against *Plasmopara viticola*, *Erysiphe necator*, and *Botrytis cinerea*. *J. Agric. Food Chem.*, 61, 5459-5467 (2013) 2.90
19. D. SPAGGIARI, S. FEKETE, P. J. EUGSTER, J.-L. VEUTHEY, L. GEISER, S. RUDAZ, D. GUILLARME : Contribution of various types of liquid chromatography-mass spectrometry instruments to band broadening in fast analysis. *J Chromatogr A*, 1310, 45-55 (2013) 4.61
20. J. L. WOLFENDER, S. RUDAZ, Y. H. CHOI, H. K. KIM : Plant metabolomics: from holistic data to relevant biomarkers. *Curr. Med. Chem.*, 20, 1056-1090 (2013) 4.07

1.2 SCIENTIFIC PUBLICATIONS (WITHOUT IMPACT FACTOR)

1. S. SCHNEE, F. VOINESCO, S. DUPUIS, J.-L. WOLFENDER, E. FERREIRA QUEIROZ, K. GINDRO Sarments de vigne: nouvelle source de composés antifongiques. *Revue suisse de viticulture arboriculture horticulture*, 45, 306-312 (2013)

1.3 BOOK OR BOOKS CHAPTERS

1. P. J. EUGSTER, G. GLAUSER, J. L. WOLFENDER Strategies in Biomarker Discovery. Peak Annotation by MS and Targeted LC-MS Micro-Fractionation for De Novo Structure Identification by Micro-NMR. *Metabolomics Tools for Natural Product Discovery: Methods and Protocols* Roessner, U., Dias, D. A., 1055, 267-289 (2013)
2. G. GLAUSER, J. BOCCARD, J. L. WOLFENDER, S. RUDAZ *Metabolomics: Application in plant sciences. Metabolomics in Practice* Laemmerhofer, M., Weckwerth, W., Wiley-VCH 313-344 (2013)
3. G. GLAUSER, J. L. WOLFENDER A non-targeted approach for extended liquid chromatography-mass spectrometry profiling of free and esterified jasmonates after wounding. *Jasmonate Signaling: Methods and Protocols* Goossens, A., Pauwels, L., Humana Press, 1011, 123-134 (2013)
4. J.-L. WOLFENDER, N. BOHNI, K. NDJOKO-IOSET, A. S. EDISON *Advanced Spectroscopic Detectors for Identification and Quantification: Nuclear Magnetic Resonance. Liquid Chromatography: Fundamentals and Instrumentation* Fanali, S., P, H., Poole, C. F., Schoenmakers, P. J., Lloyd, D., Elsevier, Oxford, 349-384 (2013)

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. A. CHAUVIN, D. CALDELARI, J.-L. WOLFENDER, E. E. FARMER
Long distance defense signalling in *Arabidopsis thaliana*: a key role for LOX6. National Centre of Competence in Research Plant survival Meeting, January 23-24, 2013, Neuchâtel (Switzerland)
2. M. ERB, G. MARTI, C. ROBERT, J. LU, J.-L. WOLFENDER, T. TURLINGS
Leaf-induced systemic changes in cell-wall bound phenylpropanoids mediate host selection by a root feeding insect. Gordon Research Conferences, February 24, - March 1st, 2013, Ventura CA (USA)
3. A. AZZOLLINI, S. BERTRAND, O. SCHUMPP, N. BOHNI, M. MONOD, K. GINDRO, J.-L. WOLFENDER
UPHLC-MS-based metabolomics reveals induction of new metabolites in fungal co-culture: a way to obtain new antimicrobial compounds ? All SystemsX.ch Day. May 13, 2013, Bern (Switzerland)
4. D. MAAG, A. KÖHLER, G. GALUSER, M. ERB, J.-L. WOLFENDER, T. TURLINGS
Differences in 1, 4-benzoxazin-3-one profile and induction during growth of young maize affect foraging patterns of leaf herbivores. IOBC-WPRS meeting, Induced resistance in plants against insects and diseases: leaping from success in the lab to success in the field, June 10-13, 2013, Avignon (France)
5. S. CHALLAL, E. FERREIRA QUEIROZ, D. GUILLARME, J.-L. WOLFENDER
Gradient transfer for a rapid and efficient large scale isolation of natural products on MPLC-UV-ELSD and with enhanced pressure and temperature control. HPLC-2013, June 16-20, 2013, Amsterdam (Netherlands)
6. O. CICLET, C. CONAN, Q. FAVRE-GODAL, E. FERREIRA QUEIROZ, J.-L. WOLFENDER, M. CUENDET
Root bark of *Morinda tomentosa* B. Heyne, a source of NAD(P)H quinone oxidoreductase 1 inducing anthraquinones. Phytochemical Society of Europe, PSE meeting - Natural products and cancer prevention. June 25-28, 2013, Naples (Italy)
7. M. L. ZERAIK, E. FERREIRA QUEIROZ, V. S. BOLZANI, S. CHALLAL, D. QUEIROZ, D. GUILLARME, J.-L. WOLFENDER
Phytochemical analysis of an exotic brasilian fruit, *Spondias tuberosa*, using 2d MPLC X UHPLC/TOF/MS monitoring. ASP meeting, Saint Luis, July 25-30, 2013, Saint Louis (USA)

8. [L. BREANT, G. MARTI, A. DIENES-NAGY, V. ZUFFEREY, J. RÖSTI, K. GINDRO, F. LORENZINI, O. VIRET, J.-L. WOLFENDER](#)
An orthogonal metabolomic approach on the Vaud swiss vineyard to assess the "Terroir effect". In *Vino Analytica Scientia Symposium 2013*. Ed. EuCheMS, August 5, 2013, Reims (France).
9. [S. CHALLAL, E. FERREIRA QUEIROZ, W. KLOETI, D. GUILLARME, J.-L. WOLFENDER](#)
Method transfer from HPLC to Middle Pressure Liquid Chromatography (MPLC) for efficient large scale isolation of natural products. Swiss Pharma Science Day (SPhDS), August 28, 2013, Bern (Switzerland)
10. [Q. FAVRE-GODAL, E. FERREIRA QUEIROZ, L. BERTINI, L. MARCOURT, D. SANGLARD, K. GINDRO, J.-L. WOLFENDER](#)
Rapid and efficient identification of antifungal compounds in crude plant extracts. Swiss Pharma Science Day (SPhDS), August 28, 2013, Bern (Switzerland)
11. [V. ZWICK, E. GIACOMELLI, C. SIMOES PIRES, S. BERTRAND, A. NURISSO, L. MARCOURT, E. RIVARA-MINTEN, A. BISIO, J.-L. WOLFENDER, P. CARRUPT, M. CUENDET](#)
Structural features for HDAC6 inhibitory specificity of *Salvia corrugata* Vahl. diterpene α -hydroxyquinones. 6th Swiss Pharma Science Day (SPhDS), August 28, 2013, Bern (Switzerland)
12. [Q. FAVRE-GODAL, E. FERREIRA QUEIROZ, D. SANGLARD, J.-L. WOLFENDER](#)
Rapid and efficient isolation of antifungal compounds from plants in order to elucidate new mode of action. 61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 1-5 September, 2013, Münster, (Germany)
13. [M. M. FERREIRA QUEIROZ, E. FERREIRA QUEIROZ, G. MARTI, M. L. ZERAIK, S. M. EBRAHIMI, L. MARCOURT, M. CUENDET, I. CASTRO-GAMBOA, M. HAMBURGER, V. S. BOLZANI, J.-L. WOLFENDER](#)
Isolation and quantification of alkaloids from *Tetrapteryx mucronata* Cav. a plant used in the ayahuasca preparation. 61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1-5, 2013, Münster, (Germany)
14. [M. M. FERREIRA QUEIROZ, E. FERREIRA QUEIROZ, M. L. ZERAIK, L. MARCOURT, M. CUENDET, I. CASTRO-GAMBOA, V. S. BOLZANI, J.-L. WOLFENDER](#)
Acetylcholinesterase inhibitors from *Tetrapteryx mucronata* Cav. 61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1-5, 2013, Münster, (Germany)
15. [S. SCHNEE, E. FERREIRA QUEIROZ, L. MARCOURT, F. VOINESCO, P. H. DUBUIS, J.-L. WOLFENDER, K. GINDRO](#)
Antifungal compounds from *Vitis vinifera* canes against major grapevine fungal pathogens. 61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1-5, 2013, Münster, (Germany)
16. [M. L. ZERAIK, E. FERREIRA QUEIROZ, O. CICLET, M. CUENDET, V. S. BOLZANI, J.-L. WOLFENDER](#)
Chemical composition, cancer chemopreventive and acetylcholinesterase activities of *Spondias tuberosa*. 61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1-5, 2013, Münster, (Germany)
17. [A. AZZOLLINI, E. FERREIRA QUEIROZ, D. GUILLARME, J.-L. WOLFENDER](#)
Isolation of natural products: from analytical HPLC to Mass Spectrometry guided purification by semi-preparative HPLC-MS. Swiss Chemical Society Fall Meeting, September 6, 2013, Lausanne (Switzerland)
18. [S. CHALLAL, E. FERREIRA QUEIROZ, W. KLOETI, D. GUILLARME, J.-L. WOLFENDER](#)
Rapid and efficient large scale isolation strategy on MPLC-ELSD-UV using gradient transfer and enhanced pressure and temperature control Swiss Chemical Society Fall Meeting, September 6, 2013, Lausanne (Switzerland)
19. [S. CHALLAL, E. FERREIRA QUEIROZ, W. KLOETI, D. GUILLARME, J.-L. WOLFENDER](#)
Isolation of natural products: from analytical HPLC to Mass Spectrometry guided purification by semi-preparative HPLC-MS. Swiss Chemical Society Fall Meeting, September 6, 2013, Lausanne (Switzerland)
20. [Q. FAVRE-GODAL, E. FERREIRA QUEIROZ, L. BERTINI, L. MARCOURT, D. SANGLARD, K. GINDRO, J.-L. WOLFENDER](#)
Rapid and efficient identification of antifungal compounds in crude plant extracts. Swiss Chemical Society Fall Meeting, September 6, 2013, Lausanne (Switzerland)

21. Q. FAVRE-GODAL, E. FERREIRA QUEIROZ, D. SANGLARD, K. GINDRO, M. P. GUPTA, J.-L. WOLFENDER
New antifungal compounds from *Swartzia simplex*. Swiss Chemical Society Fall Meeting, September 6, 2013, Lausanne (Switzerland)
22. S. SCHNEE, E. FERREIRA QUEIROZ, L. MARCOURT, F. VOINESCO, P. H. DUBUIS, J.-L. WOLFENDER, K. GINDRO
Vitis vinifera canes a new source of antifungal compounds against *Plas-mopara viticola*, *Erysiphe necator* and *Botrytis cinerea* Swiss Chemical Society Fall Meeting, September 6, 2013, Lausanne (Switzerland)
23. M. L. ZERAIK, E. FERREIRA QUEIROZ, I. CASTRO-GAMBOA, M. CUENDET, J.-L. WOLFENDER, M. Q. PAULO, V. S. BOLZANI
A new compound from *Spondias tuberosa* and isolation of bioactive compounds using 2D MPLC X UHPLC/TOF/MS monitoring. Swiss Chemical Society Fall Meeting, September 6, 2013, Lausanne (Switzerland)

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. S. BERTRAND, A. AZZOLLINI, O. SCHUMPP, N. BOHNI, M. MONOD, K. GINDRO, J.-L. WOLFENDER.
Metabolomic study of the metabolites induction dynamics during fungal co-culture. 7^{ème} Journées Scientifiques du Réseau Français de Métabolomique et Fluxomique, June 10-12, 2013, Amiens (France).
2. N. BOHNI, M. L. CORDERO-MALDONADO, A. CRAWFORD, J.-L. WOLFENDER
Intégration de Tests In Vivo Basés sur le Modèle Zebrafish et de RMN Quantitative pour l'Evaluation Rapide de Composés Naturels Issus de Matrices Biologiques. Journée scientifique du médicament, June 19-20, 2013. Grenoble (France).
3. N. BOHNI, O. SCHUMPP, F. MEHL, S. BERTRAND, M. MONOD, K. GINDRO, J.-L. WOLFENDER .
Targeted Isolation of Biomarkers Highlighted by MS-based Metabolomics in Fungal Co-cultures. CHanalysis, November 29-30, 2013. Beatenberg (CH).
4. N. BOHNI, O. SCHUMPP, S. SCHNEE, S. BERTRAND, M. MONOD, K. GINDRO, J.-L. WOLFENDER
Targeted isolation of induced and bioactive metabolites from fungal co-cultures. 61th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1-5, 2013. Münster (Germany).
5. A. CHAUVIN, D. CALDELARI, J.-L. WOLFENDER, E. E. FARMER
Long distance defense signaling in *Arabidopsis thaliana*: a key role for LOX6. 22th Edition of the Swiss Plant Molecular and Cell biology, January 30- February 1st, 2013, Meiringen (Switzerland).
6. P.J. EUGSTER, S. MARTEL, P.-A. CARRUPT, J.-L. WOLFENDER
Prédiction de la rétention en UHPLC: une dimension supplémentaire en LC-MS pour l'identification rapide de composés bioactifs ou de biomarqueurs dans des extraits naturels. Journées Scientifiques du Médicament, June 11, 2013, Grenoble (France).
7. Q. FAVRE-GODAL, E. F. QUEIROZ, D. SANGLARD, K. GINDRO, J.-L. WOLFENDER
The use of an engineered strain in order to isolate antifungal compounds: *swartzia simplex* example. 61th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, September 1-5, 2013. Münster (Germany).
8. E.FERREIRA QUEIROZ
Innovative strategies for the isolation on natural products. 4th Brazilian Conference on Natural Products. October 28-31, 2013, Natal (Brazil).
9. E.FERREIRA QUEIROZ
Isolation of Natural Products by Reversed-Phase Flash Chromatography-UV-APCI/MS. United Kingdom Automated Synthesis Forum (UKASF). BioFocus/Nucleus, Chesterford Research Park, November 12-13, 2013, Cambridge, (United Kingdom).
10. E.FERREIRA QUEIROZ
Drug discovery from higher plants: history, challenges and perspectives (Open ceremony). XI Simposio Argentino Y XIV Simposio Latinoamericano de Farmacobotánica. November 22-23, 2013, Rosario (Argentina).

11. J.-L. WOLFENDER
Recent trends in natural product metabolomics: search for bioactive stress-induced biomarkers. Temasek Polytechnic Seminar Series, February 1st, 2013, Singapore (Singapore).
12. J.-L. WOLFENDER
Metabolomic strategies for the search of original stress induced biomarkers in plants and fungi. 24th Meeting of the Australian and New Zealand Society for Mass Spectrometry, ANZSMS24, February 2-6, 2013, Melbourne (Australia).
13. J.-L. WOLFENDER
Natural products metabolomics: From needles in haystacks to new biological knowledge. 18th Lorne Proteomics Symposium, February 7-10, 2013, Melbourne (Australia).
14. J.-L. WOLFENDER, S. BERTRAND, N. BOHNI, O. SCHUMPP, K. GINDRO
Metabolomic and mycological approaches for the search of bioactive stress induced compounds in fungal co-cultures. Host-Pathogen Interactions, February 28 to March 1st, 2013 Montana (Switzerland).
15. J.-L. WOLFENDER
Recent Advances in Chromatography for the Efficient Profiling of Crude Extracts and Isolation of Natural Products. 13th International Conference on Natural Products, ICNP2013, March 4-6, 2013, Shah Alam Selangor (Malaysia).
16. J.-L. WOLFENDER
Recent advances in chromatography for and efficient profiling of crude extracts and isolation of natural products."Pharma Lectures" series, May 16, 2013, Vienna (Austria).
17. J.-L. WOLFENDER, S. BERTRAND, N. BOHNI, O. SCHUMPP, K. GINDRO
Metabolomic strategies for the search of original stress induced biomarkers in plants and fungi. SCMB (Chem&ChemBio) seminar, School of Chemistry and Molecular Biosciences, University of Queensland, May 27, 2013, Brisbane (Australia).
18. J.-L. WOLFENDER
Metabolomics for the dicoverly of bioactive stress-induced natural products. Nordic Natural Products Conference 2013, NNPC 2013, June 3-5, 2013, Turku (Finland).
19. J.-L. WOLFENDER
Approches rapides et miniaturisées pour la découverte de nouveaux composés naturels bioactifs. Journée scientifique dédiée au médicament, substances naturelles comme sources de molécules d'intérêt thérapeutique, June 12, 2013, Université de Grenoble, Grenoble (France).
20. J.-L. WOLFENDER
Miniaturized Technological Approaches For Identifying New Drug-Leads And Biomarkers From Natural Sources. 24th International Symposium On Pharmaceutical And Biomedical Analysis PBA 2013, Recent Developments In Pharmaceutical Analysis (RDPA 2013), June 30 – July 3, 2013 Bologna (Italy).
21. J.-L. WOLFENDER
New advances in natural product research for comprehensive metabolite profiling and metabolomics. Trends in natural products research: a young scientists meeting of PSE and ÖPh, July 21-25, 2013, University Centre Obergurgl/Tyrol (Austria).
22. J.-L. WOLFENDER
Miniaturized approaches for phytochemical investigations: Evolution or revolution. 50th Anniversary of Airlangga University, August 18, 2013, Surabaya (Indonesia).
23. J.-L. WOLFENDER
Latest development for the profiling and dereplication of on natural products: evolution of revolution? 1st International Symposium on Profiling, September 2-4, 2013, Caparica (Portugal).
24. J.-L. WOLFENDER
Latest trends in natural product research for comprehensive metabolite profiling and metabolomics. 246th ACS National Meeting & Exposition symposium, Instrumental Methods for the Analysis of Bioactive Molecules, September 8-12, 2013, Indianapolis (USA).
25. J.-L. WOLFENDER
Natural products metabolomics: Gateway for the discovery of novel bioactive natural products and for unravelling the mode of action of herbal preparation or phytonutrients. Forum The Ark, La cosmétique anti-âge: Quelles innovations pour demain? October 15, 2013, Sion (Switzerland).

26. J.-L. WOLFENDER
Metabolomics strategies for the search for biomarkers related to plant fitness. Implications in defense mechanisms. Syngenta Seminar Series, October 18, 2013, Stein (Switzerland).
27. J.-L. WOLFENDER
Advanced profiling methods to decipher the complex composition of medicinal plants. Stepping Stone Symposium on Natural Products and Drug Discovery, October 24-25, 2013, Shanghai (China).
28. J.-L. WOLFENDER
Quoi de neuf en chromatographie? Nouvelles techniques et stratégies analytiques appliquées au profilage d'extraits naturels complexes. Pierre-Fabre Seminar Series, October 28, 2013, Toulouse (France).
29. J.-L. WOLFENDER, S. BERTRAND, N. BOHNI, O. SCHUMPP, K. GINDRO
Strategies for the discovery of new stress-induced bioactive natural products in microbial interactions. ICNPU-2013, November 5, 2013, Bansko (Bulgaria).
30. J.-L. WOLFENDER
Natural products metabolomics: Gateway for the discovery of novel bioactive natural products and for unravelling the mode of action of herbal preparation or phytonutrients. BioAlps - Networking Day – November 26, 2013, Yverdon (Switzerland)
31. J.-L. WOLFENDER
Potential of untargeted metabolomics for studying defence mechanism in chemical ecology, Advances in Swiss research on the chemical ecology of plant defences, December 10, 2013, Neuchâtel (Switzerland)

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. E.FERREIRA QUEIROZ
Modern approaches in the search for new active compounds from higher plants Conference at UNESP Araraquara University, department of Pharmacy, July 3, 2013, Araraquara (Brazil).
2. E.FERREIRA QUEIROZ
Strategies for isolation of natural products. Chembiofight workshop (FP7-PEOPLE-2010-IRSES grant: 269301). University of Unesp Araraquara. Institute of Chemistry. July 1-5, 2013, Araraquara, (Brazil).
3. J.-L. WOLFENDER
Workshop: Introduction to plant metabolomics. Instituto Nacional de Biodiversidad (INBio), January 14-17, 2013, University of San José (Costa Rica).
4. J.-L. WOLFENDER
Confirmatory analysis and de novo structural identification. Workshop Plants and Metabolomics 2013 University of Leiden, April 17, 2013, Leiden (Netherland).
5. J.-L. WOLFENDER
Workshop: Current strategies and tools for in depth study of plant metabolomes. Systems Biology Workshop, From Cells to Ecosystems, AgriBio, The Centre for AgriBioscience, May 20-31, 2013 Melbourne (Australia).
6. J.-L. WOLFENDER, P. CHRISTEN, E. F. QUEIROZ, M. SUTER
Douleurs, Inflammation et Rhumatisme : Potentiel De La Phytothérapie Et Des Produits Naturels. Cours de formation continue pour les pharmaciens, September 24, 2013, University of Geneva (Switzerland).

4. THESIS PRESENTED

4.1. INTRA-MUROS THESIS

1. Philippe EUGSTER
Strategies for High Resolution Profiling of Natural Extracts: UHPLC-MS and Physicochemical Approaches for Early Metabolite Identification.
University of Geneva - 2013 - thesis no 4589
Supervisor: Jean-Luc WOLFENDER
Co-supervisor: Pierre-Alain CARRUPT

4.2 THESIS JURY

1. Samad EBRAHIMI
Phytochemical Profiling of Iranian Plants, and ECD Calculation as Tool for Establishing the Absolute Configuration of New natural Products.
Supervisor: Matthias HAMBURGER
University of Basel, Basel (Switzerland)
2. Patricia GRAVEN
Genetic and chemical validation of *Trypanosoma brucei* adenosine kinase, the intracellular target of 4-[5-(4-phenoxyphenyl)-2H-pyrazol-3-yl]-morpholine.
Supervisor: Leonardo SCAPOZZA
Co-supervisor: Remo PEROZZO
University of Geneva, Geneva (Switzerland)
3. Tiffany PORTA
Multimodal Molecular Mass Spectrometry Imaging - Application to drug metabolism in plant biology and forensic toxicology.
Supervisor: Gérard HOPFGARTNER
University of Geneva, Geneva (Switzerland)
4. Tatjana SAJIC
Analytical proteomics by liquid chromatography tandem mass spectrometry in obesity and diabetes research.
Supervisor: Gérard HOPFGARTNER
Co-supervisor : Denes CARPENTIER (Faculté de médecine) – Emmanuel VARESIO
University of Geneva, Geneva (Switzerland)
5. E. A. SHIKANGA
Chemotypic variation and biopharmaceutical aspects of *Sceletium tortuosum* alkaloids.
Scientific direction : A.M. VILJOEN, S. COMBRINCK, N. GERICKE
Tshwane University of Technology, Pretoria (South Africa)
6. Sophie TECHER
Criblage d'activités biologiques de plantes endémiques ou indigènes de La Réunion - Recherche de molécules antivirales ciblant le virus du chikungunya
Supervisor: Isabelle GRONDIN
University of La Réunion, La Réunion

CLINICAL PHARMACOLOGY



PROFESSOR

Chantal CSAJKA

SCIENTIFIC COLLABORATORS

Alice PANCHAUD
Monia GUIDI

1.1 Scientific publications (with impact factor)	14
1.2 Scientific publications (without impact factor)	5
2.1 Posters presentations	8
3.1 Congresses & Symposia	2
3.2 Continuing education & open to the public lectures	4
4.1 Thesis Presented (intra-muros)	2
4.2 Thesis Jury	1

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

Clinical Pharmacology and Therapeutics	6.84
Clinical Pharmacokinetics	6.10
Antimicrobial Agents and Chemotherapy	4.56
Pharmacogenetics and genomics	3.60
British Journal of Clinical Pharmacology	3.57
The Journal of Clinical Pharmacology	2.96
Therapeutic drug monitoring	2.23

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1. M. NOETZLI, M. GUIDI, K. EBBING, S. EYER, L. WILHELM, A. MICHON, V. THOMAZIC, A.M. ALNAWAQIL, S. MAURER, S. ZUMBACH, P. GIANNAKOPOULOS, A. VON GUNTEN, C. CSAJKA, C.B. EAP. Population pharmacokinetic study of memantine: effects of clinical and genetic factors. *Clin Pharmacokinet.* 2013; 52(3): 211-23. 6.10
2. M. NOETZLI, M. GUIDI, K. EBBING, S. EYER, S. ZUMBACH, P. GIANNAKOPOULOS, et al. Relationship of CYP2D6, CYP3A, POR, and ABCB1 genotypes with galantamine plasma concentrations. *Ther Drug Monit* 2013;35(2):270-5. 2.23
3. M. DOBRINAS, S. CRETTOLO, B. ONEDA, R. LAHYANI, M. ROTGER, E. CHOONG, R. LUBOMIROV, C. CSAJKA, C.B.EAP. Contribution of CYP2B6 alleles in explaining extreme (S)-methadone plasma levels: a CYP2B6 gene resequencing study. *Pharmacogenet Genomics.* 2013;23(2):84-93. 3.60
4. E.M. STAEHLI HODEL, M. GUIDI, B. ZANOLARI, T. MERCIER, S. DUONG, A.M. KABANYWANYI, et al. Population pharmacokinetics of mefloquine, piperazine and artemether-lumefantrine in Cambodian and Tanzanian malaria patients. *Malar J* 2013;12(235):1475-2875. 3.40
5. R. LUBOMIROV, M. ARAB-ALAMEDDINE, M. ROTGER, A. FAYET-MELLO, R. MARTINEZ, M. GUIDI, J. di LULIO, M. CAVASSINI, H.F. GÜNTHARD, H. FURRER, C. MARZOLINI, E. BERNASCONI, A. CALMY, T. BUCLIN, L.A. DECOSTERD, C. CSAJKA, A. TELENTI ; Swiss HIV Cohort Study. Pharmacogenetics-based population pharmacokinetic analysis of etravirine in HIV-1 infected individuals. *Pharmacogenet Genomics.* 2013; 23(1):9-18. 3.60

6. E.M. STAEHLI HODEL, C. CSAJKA, F. ARIEY, M. GUIDI, A.M. KABANYWANYI, S. DUONG, L.A. DECOSTERD, P. OLLIARO, H.P. BECK, B. GENTON. The effect of single nucleotide polymorphisms in cytochrome P450 isoenzyme and N-acetyltransferase-2 genes on the metabolism of artemisinin-based combination therapies in malaria patients from Cambodia and Tanzania. *Antimicrob Agents Chemother.* 2013; 57(2):950-8 4.56
7. U. WINTERFELD, A. ALLIGNOL, A. PANCHAUD, L.E. ROTHUIZEN, P. MERLOB, B. CUPPERS-MAARSCHALKERWEERD, T. VIAL, S. STEPHENS, M. CLEMENTI, M. de SANTIS, A. PISTELLI, M. BERLIN, J. ELEFTERIOU, E. MANAKOVA, T. BUCLIN. Authors' response to: Statins in pregnancy: safety and perspectives of therapeutic applications. *BJOG* 2013 Oct;120(11): 1440. 3.76
8. A. HAOUALA, N. WIDMER, M. MONTEMURRO, S. LEYVRAZ, T. BUCLIN, C.B. EAP, L.-A. DECOSTERD, C. CSAJKA. Prediction of free imatinib concentrations based on total plasma levels in GIST patients. *Br J Clin Pharmacol.* 2013 Apr;75(4):1007-18. 3.57
9. M. AOURI, D. MORADPOUR, M. CAVASSINI, T. MERCIER, T. BUCLIN, C. CSAJKA, A. TELENTI, A. RAUCH, L.A. DECOSTERD. A Multiplex LC-MS/MS Assay for the Simultaneous Therapeutic Drug Monitoring of Ribavirin, Boceprevir and Telaprevir. *Antimicrob Agents Chemother.* 2013 Jul;57(7):3147-58 4.56
10. F. SCHENKEL, C. CSAJKA, E. BAGLIVO, M. KONDO-OESTREICHER, P. DAYER, M. GEX-FABRY, Y. DAALI. Intraocular penetration of penciclovir after oral administration of famciclovir: a population pharmacokinetic model. *J Antimicrob Chemother.* 2013 Jul;68(7):1635-41 4.56
11. V. GOTTA, T. BUCLIN, C. CSAJKA*, N. WIDMER*. Systematic review of population pharmacokinetics of imatinib and relationships with treatment outcomes. *Ther Drug Monit.* 2013 Apr;35(2):150-67. 2.23
12. M. DOBRINAS, S. CRETOL, B. ONEDA, R. LAHYANI, M. ROTGER, E. CHOONG, R. LUBOMIROV, C. CSAJKA, C.B. EAP. Contribution of CYP2B6 alleles in explaining extreme (S)-methadone plasma levels: a CYP2B6 gene resequencing study. *Pharmacogenet Genomics.* 2013;23(2):84-93. 3.60
13. A. FUCHS, C. CSAJKA, Y. THOMA, T. BUCLIN, N. WIDMER. Benchmarking therapeutic drug monitoring software: A review of available computer tools. *Clinical Pharmacokinetics.* 2013 Jan;52(1):9-22 6.10
14. E.M. HODEL, C. CSAJKA, F. ARIEY, M. GUIDI, A. MULOKOZI KABANYWANYI, S. DUONG, L.A. DECOSTERD, P. OLLIARO, H.P. BECK, B. GENTON. The effect of single nucleotide polymorphisms in cytochrome P450 isoenzyme and N-acetyltransferase-2 genes on the metabolism of artemisinin-based combination therapies in malaria patients from Cambodia and Tanzania. *Antimicrob Agents Chemother.* 2013 Feb;57(2):950-8. 4.56

1.2 SCIENTIFIC PUBLICATIONS (WITHOUT IMPACT FACTOR)

1. E. WEISSKOPF, K. LEPIGEON, D. BAUD, C. CSAJKA, A. PANCHAUD. Médicaments tocolytiques : utilisation en cas de menace d'accouchement prématuré. *pharmaJournal* 2013; 19(9):5-7.
2. E. WEISSKOPF, K. LEPIGEON, C. FISCHER, M. MORISOD, M. BICKLE, C. B. EAP, J-F. TOLSA, Y. VIAL, C. CSAJKA, A. PANCHAUD. Une étude multicentrique : antidépresseurs, grossesse et allaitement. *Forum gynécologie suisse*, 2013 ; 13(2):4-6.
3. A. PANCHAUD, J. BERGER, O. BUGNON. Médicaments, grossesse et allaitement. *BabyGuide - Le manuel officiel suisse* 2013 ; 31-33.
4. A. PANCHAUD, C. CSAJKA. CAS en pharmacie clinique : une formidable opportunité de formation pour le pharmacien. *PharmaJournal*, 2013 ; 6: 17-18.
5. A. PANCHAUD, J. BERGER, C. CSAJKA, O. BUGNON. Médicaments, grossesse et allaitement: toutes les sources d'information ne sont pas fiables! *pharmaJournal*, 2013; 1:15-16

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. M. GUIDI, G. FOLETTI, A. PANCHAUD, P. TARR, B. SONDEREGGER, M. CAVASSINI, A. TELENTI, M. ROTGER, C. CSAJKA and the Swiss HIV Cohort Study
Impacts of environmental, clinical and genetic factors on the response to vitamin D supplementation in HIV-positive patients. Population Approach Group in Europe, Glasgow 2013.
2. E. DAHMANE, K. ZAMAN, L. PEREY, A. BODMER, S. LEYVRAZ, C.B. EAP, M. GALMICHE, L.A. DECOSTERD, T. BUCLIN, M. GUIDI, C. CSAJKA
Population Pharmacokinetics of Tamoxifen and three of its metabolites in Breast Cancer patients. Population Approach Groupe in Europe, Glasgow 2013.
3. A. FUCHS, M. GUIDI, E. GIANNONI, T. BUCLIN, N. WIDMER, C. CSAJKA
Population pharmacokinetic study of gentamicin: a retrospective analysis in a large cohort of neonate patients. Poster Population Approach Group in Europe, Glasgow 2013.
4. M. GUIDI, L.A. DECOSTERD, T. MERCIER, C. CSAJKA, K. OMONDI, B. OGUTU, G. CARN, J.R. KIECHEL :
Efficacy, Safety, and Population-Pharmacokinetics of the Artesunate-Mefloquine (ASMQ) fixed dose combination versus Artemether-Lumefantrine for the Treatment of Uncomplicated Falciparum Malaria in African children. The American Society of Tropical Medicine and Hygiene (ASTMH), Washington DC 2013.
5. A. FUCHS, Y. THOMA, C.CSAJKA, T. BUCHLIN, N. WIDMER
EzeChiel validation: comparison of gentamicin drug concentration predictions to a reference method (NONMEM®). Annual Meeting of the NanoTera Project, Bern, May 2013.
6. A. LUPATTELI, O. SPIGSET, M.J. TWIGG, K. ZAGORODNIKOVA, AC. MARDBY, M. MORETTI, M. DROZD, A. PANCHAUD, K. HAMEEN-ANTTILA, A. RIEUTORD, R. GJERGIA, M. ODALOVIC, D. KENNEDY, G. RURDOLF, H. JUCH, A. PASSIER, I.BJORNSDOTTIR, H. NORDENG
Medication Use during Pregnancy: A Multinational Perspective. ISPE, Montreal, 2013.
Pharmacoepidemiology and drug safety 2013; 22: (SUPPL. 1) 75
7. V. GOTTA, T. BUCLIN, N. WIDMER, C. CSAJKA
Simulation-based systematic review of imatinib population pharmacokinetics and PK-PD relationships in chronic myelogenous leukemia (CML) patients. Population Approach Group in Europe Glasgow, June 2013.
8. A. FUCHS, M. GUIDI, E. GIANNONI, T. BUCLIN, N. WIDMER, C. CSAJKA
Population pharmacokinetic study of gentamicin in neonates: a retrospective analysis in a large cohort. Population Approach Group in Europe Glasgow, June 2013.

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. V. GOTTA, N. WIDMER, L.A. DECOSTERD, Y. CHALANDON, D. HEIM, R. BENZ, M. GREGOR, L. LEONCINI-FRANCINI, G. BAERLOCHER, M. DUCHOSAL, C.CSAJKA, T. BUCLIN
Clinical usefulness of therapeutic concentration monitoring for imatinib dosage individualization: results from the randomized controlled i-come trial. 11th EACPT Congress, Geneva, May 2013.
2. U. WINTERFELD, T. BUCLIN, P. MERLOB, A. PANCHAUD, S. STEPHENS, J. ARNON, H. MALM, B. TE WINKEL, M. CLEMENTI, A. PISTELLI, E. MANAKOVA, G. ELEFTHERIOU, G. KLINGER, Y. C. KAPLAN, L. E. ROTHUIZEN.
Pregnancy outcome following maternal exposure to mirtazapine: preliminary results of a collaborative ENTIS study. EACPT, Geneva, 2013. Clinical Therapeutics 35 (8), e1-e2

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. C. CSAJKA et al.
CAS de pharmacie clinique, Université de Genève et Université de Grenoble.
2. E. WEISSKOPF et al.
Colloque de Pharmacologie clinique Vaud-Genève : "Les antidépresseurs durant l'allaitement : quelle balance bénéfique/risque ?"
3. A. PANCHAUD.
Après-midi de la recherche, Département de psychiatrie, Cery (CHUV) : "Traitements antidépresseurs durant la grossesse et l'allaitement : prédiction de l'exposition au-travers du lait maternel et évaluation des effets sur l'adaptation néonatale et le développement du petit enfant (Etude SSRI-Milk)"
4. M. GUIDI.
Colloque de Pharmacologie clinique Vaud-Genève : "Quelle posologie de vitamine D administrer chez les patients HIV positifs ? Exemple de modélisation pharmacocinétique de population"

4. THESIS PRESENTED

4.1. INTRA-MUROS THESIS

1. Verena GOTTA
Clinical usefulness of therapeutic drug monitoring intervention for imatinib in chronic myeloid leukemia patients. School of Pharmaceutical Sciences,
Thesis N° 4561
Director : C. CSAJKA
University of Geneva and Lausanne, May 2013.
2. Elyes Ben Ali DAHMANE.
Evaluation of the impact of genetic polymorphisms in the pharmacokinetic profile of tamoxifen and of its metabolites in breast cancer patients. School of Pharmaceutical Sciences,
Thesis N° 4617
Directors C. CSAJKA – L. DECOSTERD (unil)
University of Geneva and Lausanne, November 2013.

4.2 THESIS JURY

1. L. BRAMBILLA.
Targeting STAT3 for cancer therapy: Definition of mechanisms of action of direct STAT3 inhibitors.
School of Pharmaceutical Sciences,
University of Geneva and Lausanne, August 2013

COMMUNITY PHARMACY



PROFESSOR

Olivier BUGNON

SCIENTIFIC COLLABORATORS

Marie-Paule SCHNEIDER
Jérôme BERGER

1.1 Scientific publications (with impact factor and E-Pub)	6
1.2 Scientific publications (without impact factor)	7
1.3 Scientific publications extra-muros (without impact factor)	5
1.4 Book or book chapters	10
2.1 Posters presentations	2
3.1 Congresses & Symposia	19
3.2 Continuing education & open to the public lectures	70

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

American Journal of Health System Pharmacy	1.98
Annals of Pharmacotherapy	2.56
Disease Management and Health Outcomes	0.34
International Journal of Integrated Care	1.29
International Journal of Pharmacy Practice	1.26
Journal of Clinical Pharmacy and Therapeutics	2.10
Journal of Managed Care Pharmacy	2.39
Patient Education and Counselling	2.37
Pharmacy Practice (www.pharmacypractice.org)	PR*
Revue Médicale Suisse	PR*

*PR=peer reviewed

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1.	A. GERTSCH, O. MICHEL, I. LOCATELLI, O. BUGNON, M. RICKENBACH, M. CAVASSINI, M. P. SCHNEIDER : Adherence to antiretroviral treatment decreases during postpartum compared to pregnancy: a longitudinal electronic monitoring study. AIDS PATIENT CARE and STDs. April 2013, 27(4): 208-210.	3.09
2.	M. P. SCHNEIDER, A. GERTSCH, O. BUGNON : Cyberhealth serving to support individual intake of medication. Swiss Med Wkly. 2013; 143: w13827.	1.82
3.	J. MARQUIS, M. P. SCHNEIDER, V. PAYOT, A. C. CORDONIER, O. BUGNON, K. E. HERSBERGER, I. ARNET : Swallowing difficulties with oral drugs among polypharmacy patients attending community pharmacies. Int J Clin Pharm. December 2013; 35(6): 1130-1136.	1.26
4.	A. LEHMANN, P. ASLANI, R. AHMED, J. CELIO, A. GAUCHET, P. BEDOUCH, O. BUGNON, B. ALLENET, M. P. SCHNEIDER : Assessing medication adherence: options to consider. Int J Clin Pharm. Epub 2013 Oct 29. DOI 10.1007/s11096-013-9865-x.	1.26
5.	M. P. SCHNEIDER, M. BOUVY : The ESPACOMP and its role in promoting knowledge and competencies in the matter of patient adherence. Int J Clin Pharm. Epub 2013 Nov 30.	1.26
6.	P. ASLANI, M. P. SCHNEIDER : Adherence: the journey of medication taking, are we there yet? (Editorial). Int J Clin Pharm. Epub 2013 Dec 6.	1.26

1.2 SCIENTIFIC PUBLICATIONS (WITHOUT IMPACT FACTOR)

1. M. P. SCHNEIDER, M. CAVASSINI, O. BUGNON, N. SENN : Ultra-adherence with Electronic Pills-box may Reveal Poor Adherence. The International Open Access Journal of General Practice. J Gen Pract 2013 1 :4.
2. O. BUGNON : Maladies chroniques et soins intégrés: quand le système de santé est à bout de souffle. Congrès médical Quadrimed. Rev Med Suisse 2013; 9:224.
3. I. ANGUISH, H. DECREY WICK, M. H. FONJALLAZ, P. CLIVAZ LUCHEZ, S. JOTTERAND, J. F. LOCCA, O. BUGNON : Ordonnance de sortie d'hôpital : un défi pour la continuité des soins et la collaboration interprofessionnelle. Rev Med Suisse 2013; 9 : 1021-5.
4. M. P. SCHNEIDER, L. HERZIG, D. HUGENTOBLER HAMPAL, O. BUGNON : Adhésion thérapeutique du patient chronique : des concepts à la prise en charge ambulatoire. Rev Med Suisse 2013 ; 9 : 1032-6.
5. M. SCHÜTZ, S. BEN AMARA, M. P. SCHNEIDER, O. BUGNON, M. C. HOFNER : Violences conjugales envers les femmes : que peut faire le pharmacien d'officine ? Gewalt gegen Frauen in Partnerschaften ; was kann der Offizinapotheker tun ? pharmaJournal 17 / 8.2013 : 19-20.
6. J. BERGER, K. BOUFERRACHE, O. BUGNON : Bains de bouche désinfectants : quels conseils donner lors de l'utilisation ? Desinfizierende Mundspülungen : Ratschläge zur Anwendung. pharmaJournal 18 / 9.2013 : 5-7.
7. A. PANCHAUD, J. BERGER, C. CSAJKA, O. BUGNON : Médicaments, grossesse et allaitement : toutes les sources d'information ne sont pas fiables ! Medikamente, Schwangerschaft und Stillzeit: nicht alle Informationsquellen sind verlässlich! pharmaJournal 01 /1.2013 : 15-17.

1.3 PUBLICATIONS EXTRAMUROS

1. O. BUGNON : Rester en lien avec soi-même. Vaud Futur, série spéciale réalisée en partenariat avec le CHUV, l'EPGL et l'Université de Lausanne, 24Heures, 13 september 2013.
2. I. ANGUISH, J. F. LOCCA, O. BUGNON : Etude comparative 2011-2012 : Résultat de l'assistance pharmaceutique dans les EMS fribourgeois. Rapport à l'intention des partenaires à la Convention cantonale (Association fribourgeoise des institutions pour personnes âgées, santésuisse et la Société des pharmaciens du Canton de Fribourg), PMU, Lausanne, 19 september 2013.
3. M. J. ZEUKENG, J. F. LOCCA, A. NIQUILLE, O. BUGNON Assistance pharmaceutique et Cercles de Qualité dans les établissements médico-sociaux (EMS) du Canton de Vaud: état des lieux 2012. Rapport à l'intention du Comité de pilotage du projet, dirigé par le Service de la santé publique du Canton de Vaud, 30 september 2013.
4. S. DU PASQUIER, O. BUGNON COROMA-Dicastère Pharmacie (2009-2013). Formation et intégration du pharmacien dans le réseau interdisciplinaire de prévention et de prise en charge de l'addiction. Rapport final du 3e volet du projet. PMU, Lausanne, juillet 2013.
5. M. J. ZEUKENG, O. BUGNON Assistance pharmaceutique (Cercles de qualité) dans les établissements médico-sociaux vaudois: les douleurs neurogènes chez la personne âgée (Travail de diplôme FPH). Genève, october 2013.

1.4 BOOKS OR BOOKS CHAPTERS

1. J. BERGER, M. J. BARBALAT, O. BUGNON, B. FAVRAT Administration orale de vitamine B12 (cyanocobalamine). Mise à jour 2013. News médicaments de la Pharmacie de la Policlinique Médicale Universitaire, Lausanne (January 2013) [Intranet].
2. J. BERGER, V. PAVON : TREDAPTIVE® (acide nicotinique / laropiprant) : retrait du marché et interruption des traitements en cours. News médicaments de la Pharmacie de la Policlinique Médicale Universitaire, Lausanne (January 2013) [Intranet].
3. S. AMICO, E. RESENTERRA, J. BERGER, C. ROCHAT Changement de solution hydro-alcoolique pour désinfection des mains. News médicaments de la Pharmacie de la Policlinique Médicale Universitaire, Lausanne (April 2013) [Intranet].

4. J. CELIO, J. BERGER, O. BUGNON : Palexia® (tapentadol) : antalgique à action centrale. News médicaments de la Pharmacie de la Policlinique Médicale Universitaire, Lausanne (May 2013) [Intranet].
5. J. NAYAK, M. J. BARBALAT, J. BERGER : Supplémentation en calcium et vitamine D : quelles spécialités prescrire en prévention de l'ostéoporose ? News médicaments de la Pharmacie de la Policlinique Médicale Universitaire, Lausanne (September 2013) [Intranet].
6. E. RESENTERRA, J. BERGER, C. ROCHAT : Nouveau désinfectant pour les surfaces et le matériel non immergeable. News médicaments de la Pharmacie de la Policlinique Médicale Universitaire, Lausanne (October 2013) [Intranet].
7. J. DE MOOIJ, J. BERGER : Quid du Compendium® en 2014 ? News médicaments de la Pharmacie de la Policlinique Médicale Universitaire, Lausanne (December 2013) [Intranet].
8. A. PANCHAUD, J. BERGER, O. BUGNON : Médicaments, grossesse et allaitement. Babyguide – Le manuel officiel suisse : Grossesse, naissance et les trois premières années de l'enfant, Ed. BabyGuide, Le Mont-sur-Lausanne (March 2013).
9. J. BERGER, O. BUGNON : Du bon usage des médicaments en pédiatrie. Babyguide – Le manuel officiel suisse : Grossesse, naissance et les trois premières années de l'enfant, Ed. BabyGuide, Le Mont-sur-Lausanne (March 2013).
10. V. PAVON, O. BUGNON : Voyager durant la grossesse, avec des bébés ou des petits enfants. Babyguide – Le manuel officiel suisse : Grossesse, naissance et les trois premières années de l'enfant, Ed. BabyGuide, Le Mont-sur-Lausanne (March 2013).

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. A. BOURDIN, J. BERGER, M. SCHLUEP, O. BUGNON
Development of a person-centered and integrated care model for promoting safety and medication adherence among MS patients treated by fingolimod.
Poster presented at ECTRIMS (European committee for treatment and research in Multiple Sclerosis) 2013, Copenhagen - October 2-5, 2013.
2. A. BOURDIN, J. BERGER, O. BUGNON
Immunoglobulin self-infusion: an interprofessional drug therapy management program.
Poster and Proceeding presented at the ESCP (European Society of Clinical Pharmacy) Symposium 2013, Prague - October 16-18, 2013.

3. ORAL PRESENTATIONS

3.1 CONGRESS & SYMPOSIA

1. O. BUGNON
Maladies chroniques et soins intégrés : quand le système de santé est à bout de souffle.
Congrès Médical du Praticien, Quadrimed « A bout de souffle... », January 31 – February 2, 2013. Crans-Montana.
2. O. BUGNON
Pharmaceutical Care: the PCNE definition 2013. Dedicated meeting for invited PCNE members and experts. PCNE (Pharmaceutical Care Network Europe) meeting, February 5, 2013, Berlin.
3. O. BUGNON, M. P. SCHNEIDER, M. HENMAN.
Quality standards for pharmaceutical care research. A workshop primarily for experienced researchers. 8th PCNE Working Conference "Collaborative pharmaceutical care in research and practice", February 6-8, 2013.

4. O. BUGNON
Le pharmacien d'officine face à son avenir. Matinées thématiques du Collège des Economistes de la Santé, Faculté de Pharmacie, Université Paris Descartes, March 21, 2013.
5. O. BUGNON
a) Présentation de l'Université de Genève (Objectifs et modalités des stages, évaluation des étudiants)
b) Présentation de la recherche en Pharmacie communautaire menée à l'École de Pharmacie Genève-Lausanne
Rencontre du G3 (Section des sciences pharmaceutiques - Université de Genève, Université de Lausanne ; Faculté de pharmacie de l'Université libre de Bruxelles et Faculté de pharmacie de Montréal), 1^{ère} rencontre, Université de Montréal, April 2-5, 2013.
6. O. BUGNON
Chairman of a session and FIP representative. 6th Geneva Conference on Person Centered Medicine: "Person-Centered Health Research", Geneva University Hospital, April 27-May 1st, 2013.
7. A. GERTSCH, M. CAVASSINI, M. REYMERMIER, S. AMICO, O. BUGNON, M. P. SCHNEIDER
Do people disclosing their HIV status have a better medication adherence ? Association for the Social Sciences and Humanities in HIV (ASSHH), 2nd conference, July 9, 2013. Paris.
8. O. BUGNON
Models of Care (from the Drug Room to Accountable Care). International Pharmaceutical Federation FIP, Annual Congress, August 31 – September 5, 2013. Dublin.
9. I. ANGUISH
Safety and efficiency evidence for a collaborative pharmaceutical service program as is currently implemented in Swiss nursing homes. International Pharmaceutical Federation FIP, Annual Congress, August 31 – September 5, 2013. Dublin.
10. A. BOURDIN, S. DU PASQUIER, J. BERGER, O. BUGNON
"Working together around pill box" – interprofessional initiative for improving coordination of Home Care for elderly. International Pharmaceutical Federation FIP, Annual Congress, August 31 – September 5, 2013 Dublin. Research colloquium on Pharmaceutical care for the elderly.
11. O. BUGNON
New models of care [from the drug room to accountable care].
WHSS Symposium, 5th World Healthcare Students' Symposium: « Demystifying interprofessional collaboration », September 8-13, 2013. Lausanne.
12. O. BUGNON
Quality circles physicians-nurses-pharmacists in Swiss nursing homes: an example of a medication therapy management program. Workshop at the WHSS Symposium, 5th World Healthcare Students' Symposium « Demystifying interprofessional collaboration », September 8-13, 2013, Lausanne.
13. M.P. SCHNEIDER, M. CAVASSINI
Journey of a HIV-Patient (therapy adherence) in a centre of research and development
Workshop at the WHSS Symposium, 5th World Healthcare Students' Symposium « Demystifying interprofessional collaboration », September 8-13, 2013, Lausanne.
14. M. DE BRUIN, M. P. SCHNEIDER, G. KOK, D. SCHAAFSMA D, G. J. PETERS
Educational day on designing interventions for treatment initiation, execution and persistence (An Intervention Mapping Approach). Workshop at the 15th Annual meeting of ESPACOMP (European Society for Patient Adherence, Compliance and Persistence), October 26-27, 2013, Ghent, Belgium.
15. O. BUGNON
Integrated care and e-health for medication adherence support and risk mitigation strategies [two case studies (fingolimod, immunoglobulins)]. Seminar on Drug Discovery and Development. November 6, 2013, Dpt of Pharmaceutical Sciences, University of Basel.
16. O. BUGNON
Adhésion thérapeutique : et si vos patients ne vous disaient pas tout...12^{ème} Réunion de Noël des Neurologues Libéraux de Suisse Romande, November 15, 2013, St-Maurice.

17. [D. WIDMER, L. ALBRECHT, D. MORIN, O. BUGNON, L. HERZIG](#)
Semainier et interdisciplinarité ou gérer le semainier à plusieurs : Résultats préliminaires de focus groupes. Symposium interdisciplinaire PMU – AVASAD « Suivi ambulatoire de la personne âgée, prescription et prise de médication à domicile ». December 5, 2013, Lausanne.
18. [O. BUGNON, A. S. FAVRE, L. OCHSENBEIN, J. NAYAK, J. DE MOOIJ, J. BERGER](#)
Polypharmacie : la pharmacie de ménage dans tous ses états. Symposium interdisciplinaire PMU – AVASAD « Suivi ambulatoire de la personne âgée, prescription et prise de médication à domicile ». December 5, 2013, Lausanne.
19. [O. BUGNON, P. STAEGER, L. BOURGEOIS, A. S. FAVRE, J. DE MOOIJ, J. BERGER](#)
Workshop "Polypharmacie". Symposium interdisciplinaire PMU – AVASAD « Suivi ambulatoire de la personne âgée, prescription et prise de médication à domicile ». December 5, 2013, Lausanne.

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. [J. BERGER, D. HUGENTOBLE et O. BUGNON](#)
Cercles de qualité interdisciplinaire en EMS : Participation des EMS de Clair-Soleil et de Recordon au projet cantonal ? Cercle de qualité en EMS. Projet cantonal vaudois, January 15, 2013, EMS Clair-Soleil, Ecublens.
2. [A. NIQUILLE, M.P. SCHNEIDER, L. KERBOAS, D. NANCHEN, J. CORNUZ](#)
Présentation de la feuille de route pour la recherche clinique. Formation continue à l'attention des jeunes chercheurs PMU et DUMSC, January 15, 2013 and November 12, 2013, PMU, Lausanne.
3. [D. HUGENTOBLE](#)
Nouveautés 2012, Alarmes de pharmacovigilance, Nouvelles stratégies marketing des pharmas. Colloque Chefs de cliniques de la Consultation de Médecine Générale. January 21, 2013, PMU, Lausanne.
4. [O. BUGNON, M.-J. ZEUKENG et J.-F. LOCCA](#)
Assistance pharmaceutique (cercles de qualité) dans les établissements médico-sociaux (EMS) du canton de Vaud : Etat des lieux du programme cantonal et présentation de quelques résultats 2009-2011. Cours FPH d'assistance pharmaceutique des EMS, pharmaSuisse, February 11, 2013, Berne.
5. [O. BUGNON](#)
1. Optimiser le profil de prescriptions en pneumologie (asthme, BPCO).
2. Optimiser le profil de prescriptions des antidiabétiques.
Cercle de qualité médecins-pharmaciens d'Yvonand-Echallens, February 14, 2013, Yvonand.
6. [M. P. SCHNEIDER, N. GENRE](#)
VIH : nouveautés et contraception d'urgence. Séminaire CAP, formation continue FPH. February 14, 2013, PMU, Lausanne.
7. [V. PAVON CLEMENT](#)
Médecine des voyages pour pharmaciens. Séminaire CAP, formation continue FPH. February 14, 2013, PMU, Lausanne
8. [J. BERGER](#)
Oncologie et Pharmacie d'officine : les nouveaux médicaments oraux. Programme de formation continue EPGL - PharmaGenève. February 26, 2013, Genève.
9. [O. BUGNON](#)
Impact économique des médicaments chers (dont les anticancéreux) sur l'assistance pharmaceutique des EMS fribourgeois. Symposium interdisciplinaire annuel des EMS fribourgeois : « Oncogériatrique : nouveau défi pour l'assistance pharmaceutique en EMS ». AFIPA, Société de Médecine du canton de Fribourg et Société des pharmaciens du Canton de Fribourg. March 7, 2013, Fribourg.

10. J. BERGER
Anticancéreux oraux en EMS – recommandations pratiques de sécurité et de mode d’administration. Workshop animé au cours du Symposium interdisciplinaire annuel des EMS fribourgeois : « Oncogériatrique : nouveau défi pour l’assistance pharmaceutique en EMS ». AFIPA, Société de Médecine du canton de Fribourg et Société des pharmaciens du Canton de Fribourg. March 7, 2013, Fribourg.
11. D. HUGENTOBLER, L. NICOLET
Nouveaux anticoagulants oraux. Colloque des Chefs de cliniques de la Consultation de Médecine Générale. March 18, 2013, PMU, Lausanne.
12. I. ANGUISH, O. BUGNON
Médicaments et risque de chute : cas pratiques de validation d’ordonnances. Séminaire FPH pharmaActuel. March 19, 2013, PMU, Lausanne.
13. O. BUGNON
Introduction au symposium – La Pharmacie d’officine à la croisée des chemins : des opportunités à saisir. Symposia Pharmacie on top 2013 sur le thème « Développement personnel : comment améliorer sa performance au travail en toute sérénité....». Organisation : MEPHA Pharma SA avec le soutien de SISPha SA. March 15, 2013, Lausanne-Bussigny – April 19, 2013, Montreux- May 6, 2013, Lugano.
14. M. SCHÜTZ
Médicaments chélateurs chez le patient dialysé. Colloque du service de néphrologie, CHUV. March 26, 2013, Lausanne.
15. M. P. SCHNEIDER, J. OMBELLI
Adhésion thérapeutique du patient chronique : un facteur important à promouvoir. Colloque Cercle de Qualité de la Consultation de Médecine Générale. April 3, 2013, PMU, Lausanne.
16. O. BUGNON
a) Présentation du plan général des études en Pharmacie à la Section des sciences pharmaceutiques de l’Université de Genève et de l’Université de Lausanne ;
b) Présentation détaillée de l’année d’assistantat (2e année du Master en Pharmacie) ;
c) Exigences et déroulement des examens fédéraux en Pharmacie
Cours préparatoire des pharmaciens formateurs pour la partie pratique de l’année d’assistantat. Organisateur : pharmaSuisse. April 17, 2013, Lausanne.
17. J. BERGER
Colchicine, médicaments étrangers, off-label, etc. Colloque Groupe de Supervision de la Consultation de Médecine Générale. April 18, 2013, PMU, Lausanne.
18. D. HUGENTOBLER
Nouveautés médicamenteuses pour le système cardio-vasculaire en 2012-2013. Colloque des Chefs de clinique de la Consultation de Médecine Générale. April 22, 2013, PMU, Lausanne.
19. J. BERGER
Prescription et administration des inhibiteurs des pompes à proton en EMS. Cercle de qualité dans les EMS de Clair-Soleil et Recordon ; Projet cantonal vaudois. April 23, 2013, Ecublens.
20. O. BUGNON
Maladies chroniques et soins intégrés. Colloque de médecine interne générale 2013. April 25, 2013, PMU, Lausanne.
21. J. BERGER
Etude de cas de polymédication : Monsieur S. C. (1952). Colloque Cercle de Qualité de la Consultation de Médecine Générale. May 1st, 2013, PMU, Lausanne.
22. A. GERTSCH, O. MICHEL, I. LOCATELLI, O. BUGNON, M. RICKENBACH, M. CAVASSINI, M. P. SCHNEIDER
Evaluation de l’adhésion thérapeutique aux traitements antirétroviraux durant la grossesse et le post-partum. Colloque de recherche semestriel. May 6, 2013, PMU, Lausanne.
23. O. BUGNON
La valorisation des actes pharmaceutiques et leur standardisation : l’expérience suisse. Enseignement DU Pharmacie Clinique. May 14, 2013, UFR Pharmacie de Grenoble, CHU de Grenoble.

24. J. BERGER
Médicaments du système gastro-intestinal : cas pratiques et validation d'ordonnances. Séminaire pharmActuel. May 14, 2013, PMU, Lausanne.
25. D. HUGENTOBLER
Nouveautés médicamenteuses dans les antidiabétiques oraux en 2012-2013. Colloque des Chefs de clinique de la Consultation de Médecine Générale. May 13, 2013, PMU, Lausanne.
26. J. BERGER
Médicaments « hors-étiquette » (off-label, médicaments étrangers, etc.) ... en théorie et en pratique ! Formation continue, Société Valaisanne de Pharmacie. May 16, 2013, Martigny.
27. M. ZEUKENG, J.F. LOCCA, O. BUGNON
How Pharmacists can contribute to the Responsible Use of Medicines in Nursing Homes of the canton of Vaud in response to a Political Interpellation? Collaborative Pharmaceutical Service – Quality Circles in Nursing Homes. 8th PhD Day of the School of Pharmaceutical Sciences, University of Geneva and University of Lausanne, Fondation Brocher Hermance (GE), May 31, 2013 .
28. I. ANGUISH
Ten years of remuneration for performance of collaborative pharmaceutical services in Swiss nursing homes. 8th PhD Day of the School of Pharmaceutical Sciences, University of Geneva and University of Lausanne, Fondation Brocher Hermance (GE), May 31, 2013 .
29. A. GERTSCH, O. MICHEL, I. LOCATELLI, O. BUGNON, M. RICKENBACH, M. CAVASSINI, M. P. SCHNEIDER
Adherence to antiretroviral HIV treatment decreases during postpartum compared to pregnancy: a longitudinal electronic monitoring study. 8th PhD Day of the School of Pharmaceutical Sciences, University of Geneva and University of Lausanne, Fondation Brocher Hermance (GE), May 31, 2013.
30. O. BUGNON
Etat de situation des programmes cantonaux fribourgeois et vaudois d'assistance pharmaceutique des EMS. Cours FPH d'assistance pharmaceutique des EMS, pharmaSuisse. June 3, 2013, Fribourg.
31. O. BUGNON, J. BERGER, A. BOURDIN, M. SCHLUEP
Symposium sclérose en plaques / Gilenya. June 14, 2013, CHUV, Lausanne.
32. D. HUGENTOBLER
Nouveautés médicamenteuses pour le système nerveux central en 2012-2013. Colloque des Chefs de clinique de la Consultation de Médecine Générale. June 17, 2013, PMU, Lausanne.
33. O. BUGNON
12 ans d'expériences interdisciplinaires et ... encore l'envie de relever de nouveaux défis. Colloque Fegems (Fédération genevoise des établissements médico-sociaux Genève) - Assistance pharmaceutique : Quelques expériences. June 18, 2013, Genève.
34. A. NIQUILLE, C. ROSSIER, O. BUGNON
a) Extrait des résultats des cercles de qualité vaudois 2011-2012
b) Bonnes pratiques de prescription des antidépresseurs (IT 01.06)
c) Bonnes pratiques de prescription des somnifères (IT 01.03)
Cercle de Qualité médecins-pharmaciens de Lausanne. June 26, 2013, Paudex.
35. S. DU PASQUIER, T. BUCLIN
Le commerce illicite des médicaments – le tueur silencieux. Conférence publique, Pause Projection. June 27, 2013, PMU, Lausanne.
36. O. BUGNON, A. BOURDIN
Sclérose en plaques et accompagnement interdisciplinaire des patients traités par fingolimod. Ordre des pharmaciens neuchâtelois. July 2, 2013, Neuchâtel.
37. O. BUGNON
1. Bilan des résultats du cercle 2011-2012 : suite de l'analyse et fixation d'objectifs.
2. Optimiser le profil de prescriptions des somnifères.
Cercle de qualité médecins-pharmaciens d'Yvonand-Echallens. July 4, 2013, Yvonand.

38. **O. BUGNON**
Introduction, objectives and outlines of the module. Executive MBA in Healthcare specialisation, Module « Risk management strategies for optimizing the performance of health care system, providers and industries », IEMS (University of Lausanne). August 23, 2013, Lausanne.
39. **M.P. SCHNEIDER**
The challenge of patient adherence to long-term treatment. Executive MBA in Healthcare specialisation, Module « Risk management strategies for optimizing the performance of health care system, providers and industries », IEMS (University of Lausanne). August 23, 2013, Lausanne.
40. **J. BERGER**
Que peut apporter un pharmacien dans le suivi de mes patients traités par fingolimod !?! Formation continue pour les neurologues romands organisée par Novartis. September 3, 2013, Morges.
41. **S. JOTTERAND, J. BERGER, R. NAOUX, O. BUGNON**
L'informatique comme vecteur de collaboration interprofessionnelle: l'expérience romande des programmes SISCare® d'accompagnement de patients chroniques. Congrès annuel de la SSIM (Société Suisse d'Informatique Médicale). September 3-4, 2013.
42. **O. BUGNON, A. BOURDIN, J. BERGER**
Sclérose en plaques et accompagnement interdisciplinaire des patients traités par fingolimod. Formation continue, Société Valaisanne de Pharmacie. September 10, 2013, Martigny.
43. **J. BERGER**
Bonnes pratiques de prescription en EMS : Benzodiazépines en lien avec les chutes. Cercle de qualité des EMS de Clair-Soleil et Recordon, projet cantonal. September 10, 2013, Ecublens.
44. **A. NIQUILLE, C. ROSSIER, O. BUGNON.**
Bonnes pratiques de prescription en cas d'infections ORL courantes. Cercle de Qualité médecins-pharmaciens de Lausanne. September 18, 2013, Paudex.
45. **M. J. ZEUKENG, O. BUGNON**
Assistance pharmaceutique (Cercles de qualité) des établissements médico-sociaux vaudois : Présentation des résultats 2012 du projet cantonal et des recommandations d'amélioration. Association vaudoise des pharmaciens. September 19, 2013, PMU, Lausanne.
46. **D. HUGENOBLE**
A propos de la prescription des contraceptifs oraux combinés avec œstrogène naturel. Colloque des Chefs de clinique de la Consultation de Médecine Générale. September 23, 2013, PMU, Lausanne.
47. **S. DU PASQUIER, A. WILDHABER, B. BROERS**
Bonnes pratiques dans la remise des traitements de substitution et prescriptions de benzodiazépines. Séminaire CAP, formation continue FPH. September 24, 2013, PMU, Lausanne.
48. **J. BERGER**
Médicaments « hors étiquettes » (off-label, médicaments étrangers, etc.) ... en théorie et en pratique ! Programme de formation continue UNIL-EPGL pour pharmaciens. September 26, 2013, Lausanne.
49. **M. J. ZEUKENG, A. NIQUILLE, O. BUGNON**
Assistance pharmaceutique (Cercles de qualité) dans les établissements médico-sociaux vaudois : Etat des lieux 2012 du projet cantonal. Service de la santé publique du Canton de Vaud, Bâtiment administratif de la Pontaise. September 30, 2013, Lausanne.
50. **O. BUGNON, J. BERGER**
Nouveaux modèles de soins et innovations en matière de prestations pharmaceutiques. Conférence pharmActuel, formation continue FPH. October 1st, 2013, Lausanne.
51. **J. BERGER**
Etude de cas de polymédication : Monsieur C.D. (1947). Colloque Cercle de Qualité de la Consultation de Médecine Générale. October 2, 2013, PMU, Lausanne.

52. [M. J. ZEUKENG, O. BUGNON](#)
Assistance pharmaceutique (Cercles de qualité) dans les établissements médico-sociaux vaudois : bonnes pratiques de prise en charge des douleurs neurogènes chez la personne âgée. Société vaudoise des pharmaciens (SVPh), Centre patronal de Paudex, October 10, 2013.
53. [O. BUGNON](#)
Preventing the risk of health care fragmentation workshop on continuum of care. Executive MBA in Healthcare specialisation, Module « Risk management strategies for optimizing the performance of health care system, providers and industries », IEMS (University of Lausanne), Lausanne, October 12, 2013.
54. [O. BUGNON](#)
Primary care safety incidents and drug related problems. Executive MBA in Healthcare specialisation, Module « Risk management strategies for optimizing the performance of health care system, providers and industries », IEMS (University of Lausanne), Lausanne, October 10, 2013.
55. [O. BUGNON](#)
Risk evaluation and mitigation strategies for improving the performance of an integrated care process (Case studies: Quality circles physicians-nurses-pharmacists; coaching of chronic patients; REMS for new medicines). Executive MBA in Healthcare specialisation, Module « Risk management strategies for optimizing the performance of health care system, providers and industries », IEMS (University of Lausanne), Lausanne, October 12, 2013.
56. [O. BUGNON](#)
Risk management and strategies for optimizing the performance of health care system, providers and industries: final discussion and conclusions. Executive MBA in Healthcare specialisation, IEMS (University of Lausanne), Lausanne, October 12, 2013.
57. [J. BERGER, A. BOURDIN](#)
Projet académique de prise en charge interdisciplinaire des patients sous Hizentra®. Colloque des Chefs de clinique de la Consultation de Médecine Générale, PMU, Lausanne, October 14, 2013.
58. [M. P. SCHNEIDER, A. GONTHIER, M. SARAGA](#)
Groupe Balint – communication avec le patient autour de son traitement. Balint de la Consultation Générale, PMU, Lausanne, October 22, 2013.
59. [A. S. FAVRE, L. OCHSENBEIN, J. NAYAK, J. BERGER](#)
Interactions médicamenteuses : cas pratiques, validation d'ordonnances et raisonnement clinique. Séminaire pharmActuel. PMU, Lausanne, November 5, 2013
60. [A. BOURDIN, J. BERGER](#)
Accompagnement interdisciplinaire de patients sous Hizentra® : premières expériences à la Pharmacie de la PMU. Colloque du service d'immuno-allergologie, CHUV, Lausanne, November 7, 2013.
61. [A. S. FAVRE, J. BERGER](#)
A propos des thérapies anticancéreuses orales. Colloque des Chefs de clinique de la Consultation de Médecine Générale, PMU, Lausanne, November 18, 2013.
62. [J. BERGER](#)
Médicaments « hors-étiquette » (off-label, médicaments étrangers, etc.). Colloque de la Pharmacie du CHUV, Lausanne, November 19, 2013.
63. [A. NIQUILLE, C. ROSSIER, O. BUGNON](#)
Bonnes pratiques de prescription des neuroleptiques et des antidémences. Cercle de qualité médecins-pharmaciens de Lausanne, Paudex, November 20, 2013
64. [O. BUGNON, J. BERGER, A. BOURDIN, M.P. SCHNEIDER.](#)
Collaboration interprofessionnelle et soins intégrés : au-delà des Cercles de qualité médecins-pharmaciens. Colloque Quadrimed, Clinique Genevoise de Montana, Montana, November 21, 2013

65. I. ANGUISH
Résultats de l'assistance pharmaceutique des EMS fribourgeois 2011-2012 et recommandations d'amélioration ». Présentation du rapport cantonal aux pharmaciens fribourgeois, Société des pharmaciens du canton de Fribourg, Fribourg, November 25, 2013.
66. O. BUGNON
Optimiser le profil de prescriptions chez les patients âgés déments (neuroleptiques, anti-Alzheimer). Cercle de qualité médecins-pharmaciens d'Yvonand-Echallens, Yvonand, November 28, 2013.
67. J. BERGER, O. BUGNON
Nouveautés médicamenteuses en 2013. Séminaire pharmActual. PMU, Lausanne, December 3, 2013.
68. J. BERGER, S. MEJDI
Traitement pharmacologique des douleurs nociceptives en EMS. Cercle de qualité des EMS de Clair-Soleil et de Recordon, projet cantonal vaudois, Ecublens, December 4, 2013.
69. J. BERGER
Oncologie et pharmacie d'officine - partie 1. Séminaire CAP, formation continue FPH, Cully, December 5, 2013.
70. D. HUGENTOBLER, L. OCHSENBEIN
Nouveaux neuroleptiques atypiques et 1ère molécule enregistrée contre l'éjaculation précoce. Colloque des Chefs de clinique de la Consultation de Médecine Générale, PMU, Lausanne, December 16, 2013.

HOSPITAL PHARMACY (CHUV)



PROFESSOR ASSOCIATE

André PANNATIER

1.1 Scientific publications (with impact factor)	6
1.2 Scientific publications (without impact factor)	4
2.1 Posters presentations	13
3.1 Congresses & Symposia	9
3.2 Continuing education & open to the public lectures	37
3.3 radio/Television Intervention	1
4.2 Thesis Jury	1

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

Pharmacoeconomics	2.86
Eur. J. Clin. Pharmacol.	2.74
Ann. Pharmacother.	2.57
Pharmacotherapy	2.31
Qual. Saf. Health Care	2.16
J.Pharm. Pharmacol.	2.03
Am. J. Health-Syst. Pharm.	1.98
Swiss Med.Wkly	1.82
Int. J. Qual. Health Care	1.79
Int. J. Clin. Pharm. (IJCP)	0.86

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1.	A.-L. SIDLER-MOIX, U. DOLCI, M. BERGER-GRYLLAKI, A. PANNATIER, J. COTTING, E.R. DI PAOLO. Albuterol delivery in an in vitro pediatric ventilator lung model: comparison of jet, ultrasonic and mesh nebulizers. <i>Pediatric Critical Care Medicine</i> , 14(2), 98-102, 2013.	2.35
2.	J.-C. DEVAUD, P. EGGIMANN, P. VOIROL, P. JOLLIET, C. PINGET, J.-B. WASSERFALLEN, A. PANNATIER. Costs evaluation of ready-to-use propofol syringes versus syringes drawn from vials in critically ill. <i>Value in Health</i> , 16(7), A323-A636, 2013.	2.19
3.	N. PERROTTET, V. AUBERT, J.-P. VENETZ, E. UGOLINI, M. MATTER, A. PANNATIER, M. PASCUAL. Evolving trends in the costs associated with hospital use of immunosuppressive. <i>Transplantation</i> , 95(5), 24-25, 2013	3.78
4.	C. PLÜSS-SUARD, A. PANNATIER, A. KRONENBERG, K. MÜHLEMANN, G. ZANETTI. Impact of antibiotic use on carbapenem resistance in <i>Pseudomonas aeruginosa</i> : Is there a role for antibiotic diversity? <i>Antimicrobial Agents and Chemotherapy</i> , 57(4), 1709-13, 2013	4.56
5.	C.J. FISCHER, M. BICKLE GRAZ, V. MUEHLEHALER, D. PALMERO, J.-F. TOLSA Phthalates in the NICU: Is it safe? <i>Journal of Paediatrics and Child Health</i> , 49(9), 413-9, 2013.	1.25
6.	V. HUMBERT-DELAHOYE, M. BERGER, P. VOIROL, L. GATTLEN, A. PANNATIER. In vitro compatibility of various cardioactive drugs simulated Y-site administration <i>European Journal of Hospital Pharmacy Science and Practice</i> , 20, 110-116, 2013.	0.15

1.2 SCIENTIFIC PUBLICATIONS (WITHOUT IMPACT FACTOR)

1. S. MARTIGNONI, G. HAFEN, A. PANNATIER, E.R. DI PAOLO. Aérosol-doseurs : un casse tête dans la détermination du contenu. *Journal of Parenteral and Paediatrica*, 24(5), 48-50, 2013.
2. C. MALBRANCHE, S. LAMON, I. ROLAND, D. JACOB, M. DUBAN, C. PERNOT. Détermination d'un indicateur d'activité pertinent pour les préparations en pharmacie hospitalière : comparaison interétablissements de la préparation des chimiothérapies. *Le pharmacien hospitalier et clinicien*, 48(1), 27-36, 2013. *Le moniteur hospitalier*, 257, 14-7, 2013.
3. C. FISCHER FUMEAUX, M. BICKLE GRAZ, V. MUEHLEHALER, D. PALMERO, C. STADELMANN, J.-F. TOLSA. Phtalates chez les nouveau-nés hospitalisés : quels dangers ? *Cahiers de la puéricultrice*, 50(270), 1-36, 2013.
4. [Portrait du Professeur PANNATIER : De la cave à l'unité de soins. *PharmaJournal*, 151 \(20\),29-31, 10-2013](#)

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. A. HENRY, P. EGGIMANN, M.M. BERGER, A. PANNATIER, L. DECOSTERD, O. MARCHETTI, P. VOIROL, Y.A. QUE.
Impact of real-time therapeutic drug monitoring introduction on the Carbapenems prescription among severely burned patients requiring ICU admission. 41^{ème} Congrès de la Société de Réanimation de Langue Française (SRLF), Paris, 2013.
2. S. MARTIGNONI, G. PODILSKY, B. GAY, A. PANNATIER.
[Interest of dose banding in the preparation of 5-FU infusers in ambulatory care. 18th Congress of the European Association of Hospital Pharmacists \(EAHP\), Paris, 2013.](#)
3. P. VOIROL, L. GATTLEN, T. FUMEAUX, P. ECKERT (IN THE NAME OF SIPHAROM).
Building up a regional and interdisciplinary network for better use of medicines in intensive care units. 18th Congress of the European Association of Hospital Pharmacists (EAHP), Paris, 2013.
4. M.-L. WEIBEL, J.-F. MALL, P. VOIROL, A. PANNATIER, A. VON GUNTEN, L. SAIAH, I. DE GIORGI.
[Evaluation of inappropriate prescribing in geriatric psychiatry. ESCP International Workshop "Improving patient care through collaborative practice", Edinburgh, 2013.](#)
5. J.-C. DEVAUD, P. EGGIMANN, P. VOIROL, P. JOLLIET, C. PINGET, J.-B. WASSERFALLEN, A. PANNATIER.
Costs evaluations of ready-to-use propofol syringes versus syringes drawn from vials in critically ill. ISPOR - 16th Annual European Congress, Dublin, 2013.
6. S. HANNOU, A. PANNATIER, E. DE BOER, A. VON GUNTEN, P. VOIROL, J.-F. MALL, I. DE GIORGI.
[Evaluation de l'impact d'un pharmacien clinicien sur la prescription médicamenteuse inappropriée en psychiatrie de l'âge avancé. 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière \(JFSPH\), Montreux, 2013.](#)
7. H. RAVELOJAONA, B. ALLENET, P. BONNABRY, P. TROUILLER, A. PANNATIER.
Evaluation de la performance du circuit du médicament dans un centre hospitalier universitaire d'Antananarivo : exemple des antalgiques. 18^{èmes} Journées Franco-Suisses de la Pharmacie Hospitalière (JFSPH), Montreux, 2013.
8. M. MICHELLOD, M. BAERISWYL, X. MAHREZ SOUID, B. HIRSCHI, I. BATHORY.
[Evaluation de seringues civas de phényléphrine dans le service d'anesthésiologie. 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière \(JFSPH\), Montreux, 2013.](#)
9. A. FOURNIER, P. EGGIMANN, M.M. BERGER, A. PANNATIER, L. DECOSTERD, O. MARCHETTI, P. VOIROL, Y.-A. QUE.
Impact of real-time therapeutic drug monitoring introduction on the Carbapenems prescription among severely burned patients requiring ICU admission. 18^{èmes} Journées Franco-Suisses de la Pharmacie Hospitalière (JFSPH), Montreux, 2013.

10. [A. FEKA, A. FOURNIER, N. PERROTTET, E. THEIN, N. DEMARTINES, A. PANNATIER, P. VOIROL. Metamizole et analgésie postopératoire : les recommandations d'utilisation sont-elles respectées ? 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière \(JFSPH\), Montreux, 2013.](#)
11. J. AHMED, M. BERGER, E. DI PAOLO, G. HAFEN, A. PANNATIER.
Stabilité et produits de dégradation des perfusions de ceftazidime chez les patients pédiatriques avec mucoviscidose. 18^{èmes} Journées Franco-Suisses de la Pharmacie Hospitalière (JFSPH), Montreux, 2013.
12. [T. KANKUENDE, B. HIRSCHI, M. GIKIC, P.-G. MEISTER, X. SOUID, N. CROXATTO, A. PANNATIER. Suivi du flux des stupéfiants au bloc opératoire du CHUV. 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière \(JFSPH\), Montreux, 2013.](#)
13. S. MARTIGNONI, G. HAFEN, A. PANNATIER, E.R. DI PAOLO.
Comment savoir si mon aérosol-doseur de Ventolin (salbutamol) est vide ? 18^{èmes} Journées Franco-Suisses de la Pharmacie Hospitalière (JFSPH), Montreux, 2013.

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. A. HENRY, P. EGGIMANN, M.M. BERGER, A. PANNATIER, Y.A. QUE, P. VOIROL.
Evolution de l'utilisation des anti-infectieux chez les patients brûlés dans un Centre suisse de référence. 41^{ème} Congrès de la Société de Réanimation de Langue Française (SRLF), Paris, 2013.
2. [P. VOIROL, L. GATTLEN, T. FUMEAUX, P. ECKERT \(THE SIPHAROM NETWORK\) Building up a regional and interdisciplinary network for better use of medicines in intensive care units. 18th Congress of the European Association of Hospital Pharmacists \(EAHP\), Paris, 2013.](#)
3. A. HENRY, P. EGGIMANN, M.M. BERGER, A. PANNATIER, L. DECOSTERD, O. MARCHETTI, P. VOIROL, Y.A. QUE.
Influence of real-time therapeutic drug monitoring introduction on the Carbapenems prescription among severely burned patients. 15th European Burn Association Congress, Vienna, 2013.
4. [P. STOECKLIN, Y.A. QUE, P. VOIROL, H. ENGEL, M.M. BERGER High-dose ascorbic acid and fluid resuscitation requirements in massive burn injury - a real impact ? 15th European Burn Association Congress, Vienna, 2013.](#)
5. A. PANNATIER
De la cave à l'unité de soins : l'aller et le retour. Symposium de départ à la retraite du Prof. André Pannatier, Lausanne, 2013.
6. [A. PANNATIER De l'assiette à la sonde : les ajouts. Nutrition entérale et parentérale : quels ajouts ? Conférence et atelier, Symposium Fresenius Kabi, Yverdon, 2013.](#)
7. F. SADEGHIPOUR
Technologies de l'information en pharmacotechnie hospitalière. Journée académique de l'Association Belge des Pharmaciens Hospitaliers, Bruxelles, 2013.
8. [F. SADEGHIPOUR Drug procurement strategies of hospitals. Head of Clinics Conference, Lausanne, 2013.](#)
9. F. SADEGHIPOUR
Production en série des préparations injectables à l'hôpital : l'expérience suisse. Hopipharm, Lyon, 2013.

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. A. HENRY, Y.A. QUE
Importance du TDM des anti-infectieux chez les patients brûlés. Colloque post-gradué SMIA au CHUV, Lausanne, 2013
2. J.-C. DEVAUD
Hypertriglyceridemia: an unexpected metabolic side effect of propofol sedation in critical illness. 8th PhD Day, School of Pharmacy Geneva-Lausanne, Brocher Fondation, Hermance, 2013.
3. B. HIRSCHI, D. MOHADJERINE
Jeux de rôle : négociations d'acquisition de médicaments. Séminaire MAS de pharmacie hospitalière "Financement de la santé, médico-économie et flux du médicament". CHUV-EPGL, Lausanne, 2013.
4. P. VOIROL
Incompatibilités physico-chimiques des médicaments injectables et administration des médicaments par sonde. Cours aux infirmiers en Soins intensifs, CHUV, Lausanne, 2013.
5. P. VOIROL
Pharmacothérapie en soins intensifs : quelques spécificités. Colloque Pharmacie-Pharmacologie Clinique, CHUV, Lausanne, 2013.
6. P. VOIROL
Spécificités pharmacocinétiques en soins intensifs. Colloque de formation du Service de Médecine Intensive Adulte, CHUV, Lausanne, 2013.
7. G. PODILSKY
Manipulation des cytotoxiques. Différencier les médicaments et règles pour la préparation. Formation continue professionnelle, CHUV, Lausanne, 2013.
8. G. PODILSKY
Manipulation des cytotoxiques. Atelier accident. Formation continue professionnelle, CHUV, Lausanne, 2013.
9. G. PODILSKY
Mécanisme d'action des cytostatiques. Les traitements du cancer et soins infirmiers en oncologie. Espace Compétences, Cully, 2013.
10. G. PODILSKY
Informatisation du circuit de contrôles. DIU en pharmacotechnie, Paris V, Paris, 2013.
11. G. PODILSKY
Préparation des cytotoxiques. Certificat d'Opérateur de Production Hospitalière, GPHR, Lausanne, 2013.
12. G. PODILSKY
Transport de prélèvements, de produits chimiques et de médicaments. Transport de patients ou de résidents avec véhicule. Espace Compétences, Cully, 2013.
13. G. PODILSKY, L. ESCALUP, N. JOURDAN
Standardisation des doses de cytotoxiques. Ateliers de formation. GERPAC, Hyères, 2013.
14. J.-C. DEVAUD
General, Public Health and Pharmacoeconomics. EAHP Academy Seminar on "Pharmacoeconomics - toos, strategies and beyond", Lisbonne, 2013.
15. J.-C. DEVAUD
Hypertriglydériémie et solutions de nutrition parentérale industrielles. Journée lausannoise de nutrition clinique de soins intensifs, Lausanne, 2013.
16. J.-C. DEVAUD
Stage pratique avancé / stage pratique / stage formation théorique. COPH, Lausanne, 2013.
17. D. PALMERO
Bases de pharmacocinétique et de pharmacodynamie. Pharmacologie des médicaments cardiovasculaires et des anti-infectieux. Cours aux infirmières, Espaces Compétences, Cully, 2013.

18. [D. PALMERO](#)
Alimentation parentérale : compatibilités et incompatibilités. Cours aux collaborateurs du Service de Néonatalogie dans le cadre du module "Apports, alimentation du nouveau-né et prématuré", CHUV, Lausanne, 2013.
19. [D. PALMERO](#)
Bonne pratique du travail sous flux laminaire. Atelier aux collaborateurs du Service de Néonatalogie dans le cadre du module "Apports, alimentation du nouveau-né et prématuré", CHUV, Lausanne, 2013.
20. [ER. DI PAOLO](#)
Sources d'information sur les médicaments, interactions et incompatibilités médicamenteuses. Cours aux médecins des Soins intensifs de pédiatrie, CHUV, Lausanne, 2013.
21. [ER. DI PAOLO](#)
Prescription des médicaments en pédiatrie. Cours aux médecins-assistants du DMCP, HEL-CHUV, Lausanne, 2013.
22. [ER. DI PAOLO](#)
Pharmacologie du SNC et respiratoire. Cours aux infirmières, Espace Compétences, Cully, 2013.
23. [ER. DI PAOLO, M.P. MENARD](#)
Colloque transversal médico-infirmier sur les erreurs médicamenteuses. HEL, Lausanne, 2013.
24. [ER. DI PAOLO](#)
Pharmacie clinique : présentation d'un cas. GSASA, Lausanne, 2013.
25. [ER. DI PAOLO](#)
Pharmacologie générale et médicaments inhalés. Cours aux étudiants en physiothérapie. HESAV, Lausanne, 2013.
26. [ER. DI PAOLO, C. CSAJKA](#)
Individualisation thérapeutique : pédiatrie. Cours aux étudiants (master), EPGL, Genève, 2013.
27. [F. SADEGHIPOUR, P. BONNABRY, V. HERRERA ET AL.](#)
Maîtrise de la fabrication en milieu aseptique. Pharmacie des HUG, Genève, 2013.
28. [F. SADEGHIPOUR](#)
Principes de l'assurance qualité. DIU de pharmacotechnie hospitalière, Université René Descartes, Paris, 2013.
29. [F. SADEGHIPOUR](#)
Postes de sécurité biologique. DIU de pharmacotechnie hospitalière, Université René Descartes, Paris, 2013.
30. [A. PANNATIER](#)
La nutrition parentérale : dénutrition hospitalière - Causes et conséquences. DIU de pharmacotechnie hospitalière, Université René Descartes, Paris, 2013.
31. [A. PANNATIER](#)
La nutrition parentérale : les substrats. DIU de pharmacotechnie hospitalière, Université René Descartes, Paris, 2013.
32. [A. PANNATIER](#)
La nutrition parentérale : stabilité et compatibilité. DIU de pharmacotechnie hospitalière, Université René Descartes, Paris, 2013.
33. [A. PANNATIER](#)
Aspects pharmaceutiques des Bonnes Pratiques Cliniques. Certificat de Formation Continue, Certificate of Advanced Studies (CAS) en Recherche clinique, UNIL-CHUV, Lausanne, 2013.
34. [A. PANNATIER](#)
De l'assiette à la sonde : les ajouts. Nutrition entérale et parentérale : quels ajouts ? Conférence et atelier, Symposium Fresenius Kabi, Yverdon, 2013.
35. [A. PANNATIER, ER. DI PAOLO](#)
Les formes orales : spécificités de la pédiatrie. DIU de pharmacotechnie hospitalière, Université René Descartes, Paris, 2013.

36. A. PANNATIER
Les formes orales : spécificités de la gériatrie. DIU de pharmacotechnie hospitalière, Université René Descartes, Paris, 2013.

37. A. PANNATIER, G. PODILSKY
Administration des formes orales par sonde de nutrition. DIU de pharmacotechnie hospitalière, Université René Descartes, Paris, 2013.

3.3 RADIO/TELEVISION INTERVENTION

1. A. PANNATIER
RTS, CQFD, 20 mars 2013
Le placebo dans la pratique médicale

4. THESIS PRESENTED

4.1 THESIS JURY

1. Thomas QUERUAU-LAMERIE:
Modalité de réduction de la contamination chimique dans les unités hospitalières centralisées de préparations de cytotoxiques.
Director: Pascal ODOU, Université de Lille 2, Faculté des sciences pharmaceutiques. 2013.

HOSPITAL PHARMACY (HUG)



PROFESSOR ASSOCIATE

Pascal BONNABRY

1.1 Scientific publications (with impact factor)	10
1.2 Scientific publications (without impact factor)	4
2.1 Posters presentations	24
3.1 Congresses & Symposia	8
3.2 Continuing education & open to the public lectures	19
3.3 radio/Television Intervention	3
4.1 Thesis Jury	1

1. PUBLICATIONS

THE TOP TEN JOURNALS IN THE FIELD (WITH IMPACT FACTOR)

Pharmacoeconomics	2.86
Eur. J. Clin. Pharmacol.	2.74
Ann. Pharmacother.	2.57
Pharmacotherapy	2.31
Qual. Saf. Health Care	2.16
J.Pharm. Pharmacol.	2.03
Am. J. Health-Syst. Pharm.	1.98
Swiss Med.Wkly	1.82
Int. J. Qual. Health Care	1.79
Int. J. Clin. Pharm. (IJCP)	0.86

1.1 SCIENTIFIC PUBLICATIONS (WITH IMPACT FACTOR)

1.	L. BOUCHOUD, C. FONZO-CHRISTE, M. KLINGMUELLER, P. BONNABRY. Compatibility of intravenous medications with parenteral nutrition: in vitro evaluation. <i>Journal of Parenteral and Enteral Nutrition</i> , 37, 416-24, 2013.	3.3
2.	L.-Z. KAESTLI, C. FONZO-CHRISTE, C. BONFILLON, J. DESMEULES, P. BONNABRY. Development of a standardised method to recommend protective measures to handle hazardous drugs in hospitals. <i>European Journal of Hospital Pharmacy Science and Practice</i> , 20, 100-5, 2013.	0.15
3.	L. GSCHWIND, V. ROLLASON, C. LOVIS, F. BOEHLEN, P. BONNABRY, P. DAYER, J. DESMEULES. Identification and weighting of most critical "real-life" drug-drug interactions with acenocoumarol in a tertiary care hospital. <i>European Journal of Clinical Pharmacology</i> , 69, 617-27, 2013.	2.86
4.	C. STUCKI, A.-M. SAUTTER, A. WOLFF, S. FLEURY-SOUVERAIN, P. BONNABRY. Accuracy of preparation of i.v. medication syringes for anesthesiology. <i>American Journal of Health-System Pharmacy</i> , 70, 137-42, 2013.	2.03
5.	N. VERNAZ, G. HALLER, F. GIRARDIN, B. HUTTNER; C. COMBESURE, P. DAYER, D. MUSCIONICO, J-L SALOMON, P. BONNABRY. Patented drug extension strategies on healthcare spending : a cost-evaluation analysis. <i>PLOS Medicine</i> , June, doi: 10.1371/journal.pmed. 1001460.	16
6.	T. QUERUAU LAMERIE, S. NUSSBAUMER, B. DECAUDIN, S. FLEURY-SOUVERAIN, J.-F. GOOSSENS, P. BONNABRY, P. ODOU. Evaluation of decontamination efficacy of cleaning solutions on stainless steel and glass surfaces contaminated by 10 antineoplastic agents. <i>Annals of Occupational Hygiene</i> , 57, 456-69, 2013.	1.9

7. L. GSCHWIND, V. ROLLASON, Y. DAALI, P. BONNABRY, P. DAYER, J.-A. DESMEULES. Role of P-glycoprotein in the uptake/efflux transport of oral vitamin K antagonists and rivroxaban through the caco-2 cell model. *Basic & Clinical Pharmacology & Toxicology*, 113, 259-65, 2013. 2.1
8. D. CARLI-GHABAROU, H.-M. SEIDLING, P. BONNABRY, C. LOVIS. A survey-based inventory of clinical decision support systems in computerised provider order entry in Swiss hospitals. *Swiss Medical Weekly*, doi : 10.4414/sms. 13894, 2013. 1.8
9. L. BOUCHOUD, M.-L. DUCHENE, O. CORRIOL, S. NEUVILLE. Nutrition parentérale et médicaments: modalités d'administration concomitante. *Nutrition Clinique et Métabolisme*, 27, 263-8, 2013 0.33
10. S. NEUVILLE, D. LANNOY, C. DELATRE, L. BOUCHOUD. Administration des médicaments oraux chez le patient bénéficiant d'une nutrition entérale. *Nutrition Clinique et Métabolisme*, 27, 255-62, 2013 0.33

1.2 SCIENTIFIC PUBLICATIONS (WITHOUT IMPACT FACTOR)

1. S. FLEURY-SOUVERAIN, S. NUSSBAUMER, M. MATTIUZZO, P. BONNABRY. Determination of the external contamination and cross-contamination by cytotoxic drugs on the surfaces of vials available on the Swiss market. *Journal of Oncology Pharmacy Practice*, doi: 1177/10781552134482683, 2013.
2. C. FONZO-CHRISTE, P. BONNABRY. Les médicaments pilés par les patients sont-ils efficaces ? *La revue du praticien*, 63, 600-1, 2013.
3. P. BONNABRY, O. FRANCOIS. Robotisation de la distribution globale. *Le moniteur hospitalier*, 257, 14-7, 2013.
4. F. SADEGHIPOUR, P. BONNABRY. Remplissage semi-automatique de seringues. *Le moniteur hospitalier*, 260, 14-7, 2013.

2. PRESENTATIONS

2.1 POSTERS PRESENTATIONS

1. O. FRANCOIS, L. CARREZ, L. GSCHWIND, L. CINGRIA, N. VERNAZ-HEGI, P. BONNABRY. Automation of global drug distribution : impact on error rate and distribution speed. 18th Congress of the European Association of Hospital Pharmacists, Paris, 2013.
2. L. BOUCHOUD, F. SADEGHIPOUR, S. FLEURY, P. BONNABRY. Validation of a once week installation of an automated computer device for parenteral nutrition solutions. 18th Congress of the European Association of Hospital Pharmacists, Paris, 2013.
3. S. KABICHE, C. FONZO-CHRISTE, S. PROT-LABARTHE, B. GUIGNARD, T. SIGRIST, F. BRION, O. BOURDON, P. BONNABRY. How pharmacists document and transmit their interventions ? A survey in several French-speaking countries. 18th Congress of the European Association of Hospital Pharmacists, Paris 2013.
4. M. FLEURY, L. BOUCHOUD, P. BONNABRY. Health information technology and stressors: how to measure and eliminate them. 18th Congress of the European Association of Hospital Pharmacists, Paris, 2013
5. L.-Z. KAESTLI, C. FONZO-CHRISTE, S. CHALIER, P. BONNABRY. Continuity of care in pediatric patients: prospective study at hospital discharge. 18th Congress of the European Association of Hospital Pharmacists, Paris, 2013.
6. B. GUIGNARD, C. SAMER, A. PERRIER, P. BONNABRY, P. DAYER, J. DESMEULES. Drug-related problems in a general internal medicine service. 81^{ème} Assemblée générale de la Société Suisse de Médecine Interne, Bâle, 2013.
7. L. BENGALY, J.D. HIGHTOWER, P. BONNABRY, S.B. SYED. Catalysing local production of alcohol based handrub in African hospitals: the power of South-North-South partnership. 2nd International Conference on Prevention and Infection Control, Geneva, 2013.

8. [L. BENGALY, A. BENEDETTA, L. DIALLO, A. TRAORE, Z. HAROUNA, M.-N. CHRAITI, P. BONNABRY. Production et utilisation d'une solution hydro-alcoolique pour l'hygiène des mains à l'hôpital universitaire du Point G de Bamako Mali. 2nd International Conference on Prevention and Infection Control, Geneva, 2013.](#)
9. [B. GUIGNARD, C. SAMER, A. PERRIER, P. BONNABRY, J. DESMEULES. Drug-related problems in a general internal medicine service. 11th EACPT Congress, Geneva, 2013.](#)
10. [V. ROLLASON, L. GSCHWIND, F. BOEHLEN, M. REBSAMEN, C. COMBESCURE, M. GRUENENWALD, A. MATTHEY, P. BONNABRY, P. DAYER, J. DESMEULES. Impact of CYP2C9 polymorphisms on the vulnerability to pharmacokinetic drug-drug interactions during acenocoumarol treatment. 11th EACPT Congress, Geneva, 2013.](#)
11. [V. ROLLASON, L. GSCHWIND, Y. DAALI, F. BOEHLEN, M. REBSAMEN, C. COMBESCURE, A. MATTHEY, P. BONNABRY, P. DAYER, J. DESMEULES. Time-to-achieve stability of anticoagulation is decreased in ABCB1 mutated patients treated with acenocoumarol. 11th EACPT Congress, Geneva, 2013.](#)
12. [K. R. ING LORENZINI, C. SAMER, J. PUGIN, S. HARBARTH, P. BONNABRY, M. FATHI, P. DAYER, J. DESMEULES. Therapeutic drug monitoring of vancomycin and aminoglycosides in an intensive care unit, a retrospective study. 11th EACPT Congress, Geneva, 2013.](#)
13. [N. VERNAZ, G. HALLER, F. GIRARDIN, B. HUTTNER, C. COMBESCURE, P. DAYER, D. MUSCIONICO, J.-L. SALOMON, P. BONNABRY. Patented drug extension strategies and hospital restrictive drug formulary: a cost-evaluation analysis. 11th EACPT Congress, Geneva, 2013.](#)
14. [V. ROLLASON, L. GSCHWIND, Y. DAALI, F. BOEHLEN, M. REBSAMEN, C. COMBESCURE, P. BONNABRY, P. DAYER, J.-A. DESMEULES. P-glycoprotein: a clue to vitamin K antagonist stabilization. ASCPT Annual meeting, Indianapolis, 2013, in *Clinical Pharmacology and Therapeutics*, 93, \(suppl 1\), S94, 2013.](#)
15. [L. CARREZ, L. BOUCHOUD, S. FLEURY, C. COMBESCURE, F. SADEGHIPOUR, P. BONNABRY. Fiabilité de la préparation des chimiothérapies : double contrôle ou système gravimétrique ? 16^{ème} Journées du GERPAC, Giens, France, 2013.](#)
16. [M. FLEURY, B. GUIGNARD, C. FONZO-CHRISTE, P. BONNABRY. Pratiques de prévention et prise en charge des occlusions des cathéters veineux centraux à chambre implantable. 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière, Montreux, 2013](#)
17. [M. FLEURY, C. FONZO-CHRISTE, P. BONNABRY. Alimentation des patients neutropéniques : de fruits et d'eau fraîche ? 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière, Montreux, 2013.](#)
18. [H. RAVELOJAONA, B. ALLENET, P. BONNABRY, P. TROUILLER, A. PANNATIER. Evaluation de la performance du circuit du médicament dans un centre hospitalier d'Antananarivo : exemple des antalgiques. 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière, Montreux, 2013.](#)
19. [L.-Z. KAESTLI, S. NOBLE, L. LACROIX, A. GALETTO, A. GERVAIX, C. FONZO-CHRISTE, P. BONNABRY. Informations sur les médicaments à la sortie des urgences pédiatriques : quels sont les besoins des parents et des patients ? 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière, Montreux, 2013.](#)
20. [L. BOUCHOUD, L. FALASCHI, P.-A. BERRET, F. ROCHON, M.-F. METIVIER, P. BONNABRY. Implémentation de tublures sécurisées pour administrer les chimiothérapies. 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière, Montreux, 2013.](#)
21. [R. DUCOMMUN, S. GLOOR, P. BONNABRY. Evaluation de la qualité d'identification des emballages primaires des médicaments parentéraux. 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalières, Montreux, 2013.](#)
22. [S. OLSSON, B. GUIGNARD, S. FLEURY-SOUVERAIN, P. BONNABRY. Comprimés coupés en deux ou en quatre : quelle précision de dose ? 18^{èmes} Journées Franco-Suisses de Pharmacie Hospitalière, Montreux, 2013.](#)

23. L. CARREZ, L. BOUCHOUD, S. FLEURY, C. COMBESCURE, F. SADEGHIPOUR, P. BONNABRY.
Fiabilité de la préparation des chimiothérapies : double contrôle ou système gravimétrique ? 18^{èmes}
Journées Franco-Suisses de Pharmacie Hospitalière, Montreux, 2013.
24. N. VERNAZ, G. HALLER, F. GIRARDIN, B. HUTTNER, C. COMBESCURE, P. DAYER, D. MUSCIONICO, J.-L. SALOMON, P. BONNABRY.
Patented drug extension strategies on healthcare spending: a cost-evaluation analysis. 11th EACPT Congress, Geneva, 2013

3. ORAL PRESENTATIONS

3.1 CONGRESSES & SYMPOSIA

1. P. BONNABRY
De la pharmacie au patient: comment réduire les erreurs ? Symposium Aguetant Congrès SFAR, Paris, 2013
2. P. BONNABRY
Sécurisation du circuit des chimiothérapies: de la prescription à l'administration. Journée de la pharmacie oncologique, Rabat (Maroc), 2013.
3. P. BONNABRY
La robotisation dans les approvisionnements. Congrès SRAL, Montreux, 2013.
4. P. BONNABRY
Sound-alike Look-alike. Journée commune GSASA – Fondation pour la sécurité des patients, Berne, 2013.
5. P. BONNABRY
Robot de distribution Rowa: Hugot bosse-t-il bien ? 2^{ème} colloque sur l'automatisation en pharmacie hospitalière, Lausanne, 2013
6. P. BONNABRY
Apport des systèmes d'information dans la pharmacie hospitalière d'aujourd'hui. Symposium de départ à la retraite du Prof. André Pannatier, Lausanne, 2013.
7. C. FONZO-CHRISTE
Les particules dans les mélanges parentéraux: conséquences cliniques ? Journées Francophones de Nutrition, Bordeaux, 2013
8. C. FONZO-CHRISTE
Particules: incompatibilités physicochimiques et filtres en ligne. Hopipahrm, Symposium Doran, Lyon, 2013

3.2 CONTINUING EDUCATION & OPEN TO THE PUBLIC LECTURES

1. P. BONNABRY, H. NEY
HUG Pharmacy & Sterilisation, Berner Fachhochschule, Genève, 2013.
2. P. BONNABRY
Analyse prospective des risques: application de la méthode AMDEC.
Certificat qualité des soins, Université de Genève, Genève, 2013.
3. P. BONNABRY
Sécurité des médicaments : place des nouvelles technologies. Journée qualité des HUG, Genève, 2013.
4. P. BONNABRY
Robotisation de la distribution : expérience aux HUG. Séance d'information aux collaborateurs de la Pharmacie du CHUV, Lausanne, 2013.
5. P. BONNABRY
Traçabilité. Certificat GPHR pour assistantes en pharmacie hospitalière – module « Logistique à la pharmacie centrale », Genève, 2013.

6. [P. BONNABRY](#)
HUG pharmacy : services, education, research. Preceptorship Pfizer Belgium, Genève, 2013.
7. [P. BONNABRY](#)
Analyse prospective des risques: application de la méthode AMDEC. D.U.E.C. préparations aseptiques, Master techniques pharmaceutiques hospitalière. Université de Lille, Lille, 2013.
8. [P. BONNABRY](#)
Stratégie d'organisation de la recherche en pharmacie hospitalière. D.U.E.C. préparations aseptiques, Master techniques pharmaceutiques hospitalière. Université de Lille, Lille, 2013.
9. [P. BONNABRY](#)
Analyse prospective des risques: application de la méthode AMDEC. Diplôme universitaire (DU) d'analyse et de gestion des risques en santé. Université René Descartes, Paris, 2013.
10. [P. BONNABRY](#)
Stratégie de sécurisation du circuit du médicament : apport des technologies de l'information. Diplôme universitaire (DU) d'analyse et de gestion des risques en santé, Université René Descartes, Paris, 2013.
11. [L. BOUCHOUD](#)
Le rôle de la pharmacie dans les essais cliniques. BPEC, Cours des HUG / Faculté de médecine, Hôpital des Enfants, Genève, 2013.
12. [P. BONNABRY](#). Stratégie d'amélioration de la sécurité du circuit du médicament. Formation « Coordinateur sécurité des patients », Lausanne, 2013.
13. [P. BONNABRY](#)
Analyse prospective des risques : application de la méthode AMDEC. Formation « Coordinateur sécurité des patients », Lausanne, 2013.
14. [P. BONNABRY, F. SADEGHIPOUR, ET AL.](#)
Maîtrise de la fabrication en milieu aseptique. Pharmacie des Hôpitaux Universitaires de Genève, 2013, Genève (Switzerland).
15. [P. BONNABRY](#)
Analyse prospective des risques: application de la méthode AMDEC. Certificat qualité des soins, Université de Genève, Genève, 2013.
16. [C. FONZO-CHRISTE](#)
Pédiatrie: l'aspect pratique en officine. Formation continue EPGL-UNIL, Lausanne, 2013
17. [P. BONNABRY](#)
Synthèse et conclusion. Symposium de bilan de la démarche sur la prévention des EIM, FHV, Lausanne, 2013
18. [P. BONNABRY](#)
Sécurisation du circuit du médicament : apport des technologies de l'information. Master ThEO. Université René Descartes, Paris, 2013.
19. [P. BONNABRY](#)
Analyse prospective des risques: application de la méthode AMDEC. Diplôme interuniversitaire (DIU) de pharmacotechnie. Université René Descartes, Paris, 2013.

3.3 [RADIO/TELEVISION INTERVENTION](#)

1. [RTS, 12:45 Le journal, 28 novembre 2013](#)
[Minimag/GE: la pharmacie des hôpitaux universitaires est la plus grande du canton](#)
2. [RTS, 36.9°C, 17 avril 2013](#)
[Médicaments: pénuries à répétition](#)
3. [RTS, A bon entendeur, 26 février 2013](#)
[Des médicaments inutiles, voire même dangereux](#)

4. THESIS PRESENTED

4.1 THESIS JURY

1. Isabelle KOHLER, PhD thesis
Sensitivity improvements in capillary electrophoresis - mass spectrometry for clinical and forensic toxicology, Faculté des sciences, Université de Genève, 2013
Direction : S. RUDAZ, J.-L. VEUTHEY.