

APA2018 - Advances in Pharmaceutical Analysis

Programme

Wednesday July 11, 2018

Welcome Reception offered by Métropole Européenne de Lille

17:30 Welcome Reception with Traditional food from Northern France (Reception Hall & MEL Gardens)
[Address : 1 rue du Ballon 59000 Lille](#)

19:30 End of the day

Programme

Thursday July 12, 2018

08:00 Registration

08:30 Introduction and Welcoming Words

Prof. Bertrand DÉCAUDIN (DEAN OF THE FACULTY OF PHARMACY, UNIVERSITY OF LILLE, Lille, France)
Prof. Damien CUNY (VICE PRESIDENT, UNIVERSITY OF LILLE, Lille, France)

Session 1 - Electrically Driven Analytical Methods

Session Chairs

Prof. Debby MANGELINGS (VRIJE UNIVERSITEIT BRUSSEL, Brussels, Belgium)
Prof. Osamu NIWA (SAITAMA INSTITUTE OF TECHNOLOGY, Fukaya, Japan)

08:50 PL01 - Capillary Electrochromatographic Column Technology for Pharmaceutical Analysis

Prof. Zilin CHEN
(WUHAN UNIVERSITY, Wuhan, China)

09:35 KL01 - Electrodriven Methodologies for the Screening of New Antithrombotic Drugs

Prof. Marianne FILLET
(UNIVERSITY OF LIÈGE, Liege, Belgium)

10:05 KL02 - Single-Stranded Nucleic Acid Molecules as Chiral Selectors: Mechanisms and Applications

Prof. Eric PEYRIN
(GRENOBLE ALPES UNIVERSITY, St Martin d'Heres, France)

10:35 OC01 - CE-MS Analysis of Derivatized D- and L-Amino Acids for Targeted Neurometabolomics

Prof. Jacques CROMMEN
(UNIVERSITY OF LIEGE, Liege, Belgium)

10:55 Coffee Break

Session 2 - Phytopharmaceutical Analysis

Session Chairs

Prof. Marianne FILLET (UNIVERSITY OF LIÈGE, Liege, Belgium)
Prof. Zhengjin JIANG (JINAN UNIVERSITY, Guangzhou, China)

11:15 KL03 - Challenges for Quality Control of Chinese Medicines

Prof. Shaoping LI
(UNIVERSITY OF MACAU, Macau, China)

11:45 OC02 - Cell Membrane Affinity Materials for Recognition and Preconcentration Active Components from TCM

Prof. Sicen WANG
(XI'AN JIAOTONG UNIVERSITY, Xi'an, China)

12:05 OC03 - Methods for Measuring Protein-Protein Interactions and Discovery of Potent Inhibitors

Prof. Joachim JOSE
(UNIVERSITY OF MÜNSTER, Münster, Germany)

Programme

12:25 Exhibitor Short Presentation - Shimadzu
The Art of Growing the Difference in SFC Analysis

Dr Johanna DUVAL
(SHIMADZU, Marne La Vallée Cedex 2, France)

12:40 Exhibitor Short Presentation - Waters
Benefits of Mass Detection - Solutions for Pharma, Cosmetics and Botanical Applications

Dr Eric VAN BEELEN
(WATERS, The Netherlands)

12:55 Walking Lunch & Poster Session (Main Hall)

Session 3 - New Trends in Liquid Chromatography

Session Chairs

Prof. Bezhan CHANKVETADZE (TBILISI STATE UNIVERSITY, Tbilisi, Georgia)
Prof. Bart DE SPIEGELEER (UNIVERSITY OF GHENT, Ghent, Belgium)

14:00 KL04 - Routine Use of HILIC Applications in Food Analyses and in Biomolecule Development

Dr Tivadar FARKAS
(PHENOMENEX, Torrance, United States)

14:30 KL05 - New Trends in Liquid Chromatography for the Analytical Characterization of Proteins
Biopharmaceuticals

Dr Davy GUILLARME
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

15:00 OC04 - Insights into the Retention Modelling in Cyclodextrin Modified Green Liquid Chromatographic
Methods

Dr Ana PROTIC
(UNIVERSITY OF BELGRADE, Belgrade, Serbia)

15:20 OC05 - Regulatory Quality Analytics in Advanced Therapy Medicinal Products: Raw Materials

Prof. Bart DE SPIEGELEER
(UNIVERSITY OF GHENT, Ghent, Belgium)

15:40 Coffee Break

Session 4 - SFC and NMR Spectroscopy for Pharmaceutical Analysis

Session Chairs

Dr Davy GUILLARME (UNIVERSITY OF GENEVA, Geneva, Switzerland)
Prof. Shaoping LI (UNIVERSITY OF MACAU, Macau, China)

16:00 KL06 - Impact of the Additive in Supercritical Fluid Chromatography

Dr David SPEYBROUCK
(JANSSEN-CILAG, Val de Reuil, France)

16:30 OC06 - From Impurity Profiling to Purified Metabolites: Drug Discovery Supported by Analytical and
Preparative Supercritical Fluid Chromatography

Dr Caroline WEST
(UNIVERSITY OF ORLEANS, ICOA, Orleans, France)

APA2018 - Advances in Pharmaceutical Analysis

Programme

- 16:50** **OC07 - Purification and Characterization of Sildenafil and Fifteen Analogues in One Dietary Supplement Marketed for Sexual Dysfunction**
Prof. Veronique GILARD
(PAUL SABATIER UNIVERSITY, Toulouse, France)
- 17:10** **PL02 - NMR Spectroscopy in Quality Analysis of Drugs and Excipients**
Prof. Ulrike HOLZGRABE
(UNIVERSITY OF WUERZBURG, Wuerzburg, Germany)
- 17:55** **Guided tour of Lille's city center**
- 20:00** **Conference Banquet, Hotel Carlton
(3 Rue Pierre Mauroy, 59000 Lille)**

Friday July 13, 2018

Session 5 - Chiral Separations

Session Chairs

Prof. Jacques CROMMEN (UNIVERSITY OF LIEGE, Liege, Belgium)

Prof. Michal MARKUSZEWSKI (MEDICAL UNIVERSITY OF GDANSK, Gdansk, Poland)

08:30 PL03 - Chromatographic Enantioseparations and the Pharmaceutical Industry

Dr Larry MILLER

(AMGEN, Thousand Oaks, United States)

09:15 KL07 - Recent Development in Enantioseparation of Chiral Drugs with Polysaccharide-Based Chiral Columns in HPLC

Prof. Bezhan CHANKVETADZE

(TBILISI STATE UNIVERSITY, Tbilisi, Georgia)

09:45 KL08 - Transferability of Chiral Separations in Supercritical Fluid Chromatography

Prof. Debby MANGELINGS

(VRIJE UNIVERSITEIT BRUSSEL, Brussels, Belgium)

10:15 Coffee break

Session 6 - Mass Spectrometry

Session Chairs

Prof. Ulrike HOLZGRABE (UNIVERSITY OF WUERZBURG, Wuerzburg, Germany)

Prof. Eric PEYRIN (GRENOBLE ALPES UNIVERSITY, St Martin d'Heres, France)

10:35 OC08 - Orthogonal LC/MS Methods for the Comprehensive Characterisation of Therapeutic Glycoproteins

Dr Arnaud DELOBEL

(QUALITY ASSISTANCE, Donstiennes, Belgium)

10:50 KL09 - Identification and Quantification of Advanced Glycation End-Products in Foods and Biological Samples

Prof. Frédéric TESSIER

(UNIVERSITY OF LILLE, CHRU, Lille, France)

11:20 OC09 - Determination of Pharmaceutical Substances in Biological Materials by Use of HPLC-MS/MS Technique and Design of Experiment (DoE) Approach

Prof. Michal MARKUSZEWSKI

(MEDICAL UNIVERSITY OF GDANSK, Gdansk, Poland)

11:40 KL10 - Supercritical Fluid Chromatography Coupled to High Resolution Tandem Mass Spectrometry (SFC-HRMS/MS) for Biological Analysis

Dr David TOUBOUL

(INSTITUT DE CHIMIE DES SUBSTANCES NATURELLES, Gif-sur-Yvette, France)

12:10 OC10 - Bio-Mass Spectrometry for Tracking Nanomaterials and Nanomedicine In Vivo

Prof. Jingkai GU

(JILIN UNIVERSITY, Changchun, China)

12:30 Exhibitor Short Presentation - SCIEX

CESI-MS: A Technique for the Characterization and Analysis of Intact and Digested Biopharmaceuticals

Programme

Dr Whitney SMITH
(AB SCIEX GERMANY GMBH, Darmstadt, Germany)

12:45 Walking Lunch & Poster Session (Main Hall)

Session 7 - New Bioanalytical Strategies

Session Chairs

Dr Christophe FURMAN (UNIVERSITY OF LILLE, FACULTY OF PHARMACY, Lille, France)
Prof. Frédéric TESSIER (UNIVERSITY OF LILLE, CHRU, Lille, France)

13:50 KL11 - High-Affinity Subtype-Selective Fluorescent Probes for Estrogen Receptor Imaging in Living Cells and Targeted Breast Cancer Therapy

Prof. Haibing ZHOU
(WUHAN UNIVERSITY, Wuhan, China)

14:20 OC11 - Strategies for the Identification and Quantitation of Intact Virus-Like Particles of Human Papillomavirus in CE

Dr Anne-Catherine SERVAIS
(UNIVERSITY OF LIÈGE, Liege, Belgium)

14:40 OC12 - NMR as a Powerful Analytical and Screening Tool for the Discovery of Modulators of Protein-Protein Interactions

Dr Joao NEVES
(UNIVERSITY OF LILLE, Villeneuve d'Ascq, France)

15:00 KL12 - Small Molecules Functionalized Affinity Materials for Intact Protein Capture and Separation

Prof. Zhengjin JIANG
(JINAN UNIVERSITY, Guangzhou, China)

15:30 Coffee Break

Session 8 - Biosensors and Electrochemical Methods

Session Chairs

Prof. Zilin CHEN (WUHAN UNIVERSITY, Wuhan, China)
Prof. Haibing ZHOU (WUHAN UNIVERSITY, Wuhan, China)

15:50 OC13 - Development of Bio-/Pharm-Lab on a Chip

Prof. Qiong-lin LIANG
(TSINGHUA UNIVERSITY, Beijing, China)

16:10 OC14 - Graphene-Based Field Effect Transistor Biosensor for NO Detection at Cell Level

Prof. Guojun ZHANG
(HUBEI UNIVERSITY OF MEDICINE, Wuhan, China)

16:30 PL04 - Electrochemical Methods for Pharmaceutical Analysis with Nanostructured Electrodes

Prof. Osamu NIWA
(SAITAMA INSTITUTE OF TECHNOLOGY, Fukaya, Japan)

17:15 3 Poster Awards

17:30 Invitation to APA 2019

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17:45 Farewell drink

This is the preliminary program and is subject to change