

# APA2018 - Advances in Pharmaceutical Analysis

## Programme

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### Wednesday 11/07/2018

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 12/07/2018

**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)

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- 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 13/07/2018**

### 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