Programme

Monday September 20, 2010

16:00 Registration (until 18:00) in Aula Rector Dhanis

http://www.druganalysis.org

Programme

Tuesday September 21, 2010

(Aula Rector Dhanis)

08:00 Registration

09:00 Opening Ceremony BSPS Prize Ceremony

Sandra APERS (UNIVERSITY OF ANTWERP, Antwerp, Belgium) Jacques CROMMEN (UNIVERSITY OF LIEGE, Liege, Belgium)

09:30 Metabolomics: Opportunities for Personalized Health

Thomas HANKEMEIER (NETHERLANDS METABOLOMICS CENTER, Leiden, The Netherlands)

10:10 Metabonomics-driven Top-down Systems Biology: Techniques and Applications

John C. LINDON (IMPERIAL COLLEGE, London, United Kingdom)

10:50 Coffee Break and Exhibition

Session Parallel Session A: Session 1

(Aula R - Room R001)

11:10 Searching for Biomarkers in Abdominal Aneurysm through a Metabolomic Approach

Coral BARBAS

(SAN PABLO - CEU UNIVERSITY, Madrid, Spain)

11:40 Efficient and Comprehensive Metabolic Profiling by CE-TOF-MS

Gerhardus J. DE JONG

(UNIVERSITY OF UTRECHT, Utrecht, The Netherlands)

12:00 Metabonomic Platform for Modified Nucleoside Analyses in Urine of Urogenital Cancerous Patients as a New Prognostic Tool in Bioanalysis

Michal MARKUSZEWSKI

(MEDICAL UNIVERSITY OF GDANSK, Gdansk, Poland)

12:20 Quantitative and Qualitative Analysis of Biologically Active Saponins of M. lanceolata

Kenn FOUBERT

(UNIVERSITY OF ANTWERP, Wilrijk, Belgium)

Session Parallel Session B: Session 2

(Aula R - Room R002)

11:10 The key role of Process Analytical Technology in Quality by Design driven drug discovery and development

Staffan FOLESTAD

(ASTRAZENECA, Molndal, Sweden)

11:40 Evaluation of Flashsizer 3d Imaging during an Extrusion-spheronization Process

Anneleen BURGGRAEVE

(GHENT UNIVERSITY, Ghent, Belgium)

12:00 In-process Control of Solubilized Hard Gelatin Capsule Formulations Using ATR-UV and Lasentec Light Scattering

Xuiin I I

(BRISTOL-MYERS SQUIBB, NEW BRUNSWICK, United States)

12:20 NIR and Raman Spectroscopy as PAT Tools for the Manufacturing of Silicone-based Drug Reservoirs

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	Jérôme MANTANUS (ULG, Liège, Belgium)	
	(OLO, Liege, Doigidin)	
12:40	Lunch & Exhibition	
13:45	Poster Session (Group 1)	
15:00	Coffee break served in poster area	
Session Parallel Session A: Session 3		
	(Aula R - Room R001)	
15:30	LC-SPE-NMR as a Tool for the Profiling of Herbal Medicinal Products Luc PIETERS	
16:00	(UNIVERSITY OF ANTWERP, Antwerp, Belgium) A Validated Method Combining SPE and HPLC-UV for the Quantification of Rotenone in Seeds of Yam Bean (Pachyrhizus sp.)	
	Emmanuelle LAUTIÉ (UCL, Bruxelles, Belgium)	
16:20	Headspace-solid-phase Microextraction Gas Chromatography-mass Spectrometry (HS-SPME-GC-MS) Determination of Odorants in Green Tea	
	Jessica FIORI (UNIVERSITY OF BOLOGNA, Bologna, Italy)	
16:40	Application of Experimental Design and Design for the Separation of Compounds Extracted from the Leaves of Strychnos Usambarensis	
	Iolanda NISTOR (UNIVERSITY OF LIÈGE, Liège, Belgium)	
Session P	arallel Session B: Session 4	
	(Aula R - Room R002)	
15:30	The Use of LC-MS(MS) in Doping Control Analysis	
	Koen DEVENTER (UNIVERSITY OF GHENT (DOCOLAB), Zwijnaarde, Belgium)	
16:00	LC-MS Metabonomic Approach Leading Tohuman Urinary Signatures of Different Drugs	
	Agneta KISS (CNRS, Solaize, France)	
16:20	Batch Analysis of Internet-sourced Mephedrone	
	Nagendra SINGH (UNIVERSITY OF SUNDERLAND, Sunderland, United Kingdom)	
16:40	Designer Steroid 3?-hydroxy-5?-androst-1-ene-17-one: Identification in a Seized Dietary Supplement and its Urinary Metabolism	
	Maria Kristina PARR (GERMAN SPORT UNIVERSITY COLOGNE, Cologne, Germany)	
17:00	Waters Workshop	
19:00	Cocktail offered by the city of Antwerp	

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Wednesday September 22, 2010

(Aula Rector Dhanis)

09:00 The Enantioselective Pharmacokinetics and Pharmacodynamics of (R,S)-ketamine in the Treatment of Complex Regional Pain Syndrome: A Reexamination of an Old Drug

Irving W. WAINER

(NATIONAL INSTITUTE ON AGING, Baltimore, United States)

Session Parallel Session A: Session 5

(Aula R - Room R001)

09:45 Cyclodextrin-based Chiral Separations by Capillary Electrophoresis in J. Crommen's lab: a Twenty Years Story

Marianne FILLET (UNIVERSITY OF LIÈGE, Liege, Belgium)

Session Parallel Session B: Session 6

(Aula R - Room R002)

09:45 Analytical Strategies for the Characterization of Protein Aggregation and its Inhibition in Human Diseases

Vincenza ANDRISANO (UNIVERSITÀ DI BOLOGNA, Rimini, Italy)

10:15 Coffee Break and exhibition

Session Parallel Session A: Session 5

11:00 Separation Mechanism of some Chiral Drugs in Capillary Electrophoresis

Bezhan CHANKVETADZE (TBILISI STATE UNIVERSITY, Tbilisi, Georgia)

11:20 olysaccharide-Type Chiral Selectors: The Impact of Chlorine-Containing Groups on Enantioselectivity in Polar Organic Solvent Chromatography

Hasret ATES (VUB, Brussels, Belgium)

11:40 Amino Acids Chiral Separation by Capillary Electrophoresis with In-Capillary Sample Preconcentration and Chemical Derivatisation

Ines FRADI (HÔPITAL CHARLES NICOLLE, Liège, Belgium)

Session Parallel Session B: Session 6

11:00 Screening of potential ligands using an immobilized enzyme reactor based on purine nucleoside phosphorylase from S. mansoni

Quezia CASS (FEDERAL UNIVERSITY OF SÃO CARLOS, São Carlos, Brazil)

11:20 Frontal Analysis Coupled to Mass Spectrometry for Ligand-binding Affinity Studies

Gabriella MASSOLINI (UNIVERSITY OF PAVIA, Pavia, Italy)

11:40 In-capillary Screening of Matrix Metalloproteinase Inhibitors by Electrophoretically Mediated Microanalysis with Fluorescence Detection

Xin HAI (KULEUVEN, Leuven, Belgium)

12:00 Lunch and Exhibition

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14:00 Excursion

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Thursday September 23, 2010

(Aula Rector Dhanis)

09:00 UHPLC: a Fast and Efficient Tool in Pharmaceutical Analysis

Jean-Luc VEUTHEY

(UNIVERSITY OF GENEVA, Geneva, Switzerland)

09:40 Break

Session Parallel Session A: Session 7

(Aula R - Room R001)

09:45 Analysis Strategies to Uncover and Avoid Counterfeit Drugs

Ulrike HOLZGRABE

(UNIVERSITY OF WUERZBURG, Wuerzburg, Germany)

10:15 Easy Update of LC Methods for Purity Control of Antibiotics

Erwin ADAMS

(KULEUVEN, Leuven, Belgium)

Session Parallel Session B: Session 8

(Aula R - Room R002)

09:45 Nanobiodevice Based Single Cell Analysis for Cancer Diagnosis and in Vivo Imaging for Stem Cell Therapy

Yoshinobu BABA

(NAGOYA UNIVERSITY, Nagoya, Japan)

10:15 Towards characterization of pharmaceutical proteins by capillary electrophoresis combined with mass and fluorescence spectrometry

Govert SOMSEN

(UTRECHT UNIVERSITY, Amsterdam, The Netherlands)

10:45 Coffee Break

Session Parallel Session A: Session 7

11:05 Contribution of Near Infrared Spectroscopy for Counterfeit Pharmaceutical Detection: Feasibility Study and Application to Examples

HERVE REBIERE

(AFSSAPS, VENDARGUES, France)

11:25 Desorption Atmospheric Pressure Photoionization in Routine Analysis of Confiscated Drug Samples

Tina KAUPPILA

(UNIVERSITY OF HELSINKI, Helsinki, Finland)

11:45 Selective Analysis of Pharmaceuticals in Environmental Water Samples Using Restricted Access Media-Molecularly Imprinted Polymer

Jun HAGINAKA

(MUKOGAWA WOMEN'S UNIVERSITY, Hyogo, Japan)

12:05 Occurrence of Veterinary Pharmaceuticals in the Aquatic Environment in Flanders

KELLY SERVAES (VITO NV, MOL, Belgium)

Session Parallel Session B: Session 8

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Katarzyna MACUR

Modifications.

16:40

(MEDICAL UNIVERSITY OF GDANSK, Gdansk, Poland)

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11:05	A Microfluidic Capillary System for Immunoaffinity and Molecular Imprinted Polymer Separations applied to Bioanalysis
	Thomas KARNES (VIRGINIA COMMONWEALTH UNIVERSITY, Richmond, Virginia, United States)
11:25	High Performance Microscale Electrophoresis of Biogenic Compounds Using On-Line Sample Concentration Techniques
	Koji OTSUKA (KYOTO UNIVERSITY, Kyoto, Japan)
11:45	Cytotoxicity Tests with 5-fluorouracil in a Microanalytical System
	Elzbieta JEDRYCH (WARSAW UNIVERSITY OF TECHNOLOGY, Warsaw, Poland)
12:05	Nano Liquid Chromatography Tandem Mass Spectrometry for the Monitoring of Hippocampal Neuropeptides Possibly Involved in Limbic Epilepsy
	Ann VAN EECKHAUT (FREE UNIVERSITY OF BRUSSELS (VUB), Brussels, Belgium)
12:25	Lunch & Exhibition
12:45	Thermo Fisher Scientific Workshop
13:30	Poster Session (Group 2)
Session	Parallel Session A: Session 9
	(Aula R - Room R001)
15:30	Total Error as Natural Decision Criteria for Analytical Methods Validation and Transfer
	Eric ROZET (UNIVERSITY OF LIEGE, Liege, Belgium)
16:00	Simultaneous Quantification of 10 Cytotoxic Drugs by a Validated LC-ESI-MS/MS Method
	Susanne NUSSBAUMER (HÔPITAUX UNIVERSITAIRE DE GENÈVE HUG - PHARMACY, Geneva 14, Switzerland)
16:20	Frictional Heating Effects on Scaling of HPLC/VHPLC Methods
	David LLOYD (BRISTOL-MYERS SQUIBB, New Brunswick, United States)
16:40	The Role of Degradant Profiling in Active Pharmaceutical Ingredients and Drug Products
	Sara VRIELYNCK (JOHNSON & JOHNSON, Beerse, Belgium)
Session	Parallel Session B: Session 10
	(Aula R - Room R002)
15:30	MALDI Imaging for Small Molecules and Clinical Proteomics: Developments and Applications
	Jonathan STAUBER (IMABIOTECH, Villeneuve d'Ascq, France)
16:00	Micropillar Array Electrospray Ionization Microchip – What is it good for?
	Raimo KETOLA (UNIVERSITY OF HELSINKI, Helsinki, Finland)
16:20	Improving MS identification of Bacillus subtilis ?prpE and 168 proteins with the use of QSRR-based peptides retention times prediction in RP-HPLC

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Optimization of Big Protein Sequence Recovery by LC-QTOF for the Future Study of its Posttranslational

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Cédric DELPORTE (UNIVERSITÉ LIBRE DE BRUXELLES, Bruxelles, Belgium)

19:30 Banquet in "Art Nouveau Zaal" Horta

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Friday September 24, 2010

(Aula Rector Dhanis)

09:00 Application of Solid Phase Microextraction to Drug Development and Biomarker Discovery

Janusz PAWLISZYN

(UNIVERSITY OF WATERLOO, Waterloo Ontario, Canada)

09:40 Break

Session Parallel Session A: Session 11

(Aula R - Room R001)

09:45 Aptamer-based Sorbents as an Alternative to Immunosorbents and Molecularly Imprinted Polymers for Selective Extraction of Drugs from Biological Samples

Valerie PICHON (ESPCI, Paris, France)

10:15 Coffee Break and exhibition

11:30 Evaluation of an in-capillary Approach to Perform Quantitative CYP450 Activity Studies

Juan BRAVO

(UNIVERSITY OF GENEVA, Geneva, Switzerland)

11:50 Tyrosinase immobilized magnetic nanobeads for the Amperometric Assay of Enzyme Inhibitors: Application to the Skin Whitening Agents

Veronica SIMA HARCEAGA (IULIU HATIEGANU UNIVERSITY, Cluj-Napoca, Romania)

12:10 A Direct-Injection Mekc Method For Drug Analysis in the Presence of Matrix Proteins

Hermann WÄTZIG

(TECHNICAL UNIVERSITY BRAUNSCHWEIG, Braunschweig, Germany)

Session Parallel Session B: Session 12

(Aula R - Room R002)

09:45 Proteomics in Drug Analysis

Peter VERHAERT

(DELFT UNIVERSITY OF TECHNOLOGY, Delft, The Netherlands)

10:15 Coffee Break and exhibition

11:30 Camptothecin and Thio-camptothecin: the Role of Sulfur in Shifting the Hydrolysis Equilibrium Towards the Closed Lactone form

Carlo BERTUCCI

(UNIVERSITY OF BOLOGNA, Bologna, Italy)

11:50 Polymeric Monolithic Ion-exchange Stationary Phases in Combination with pH Gradient for the Separation and Purity Profiling of Monoclonal Antibodies

Mohammad TALEBI

(UNIVERSITY OF TASMANIA, Hobart, Australia)

12:10 Functional Quality of Peptides in Pharmaceutical R&D

Sylvia VAN DORPE (GHENT UNIVERSITY, Gent, Belgium)

12:30 Lunch and Exhibition

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13:30	Proteomic Biomarker Discovery: From Hypervariable Data to Biomarker Candidate Rainer BISCHOFF (UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)
14:10	Peptide and Oligonucleotides Aptamers as New Ligands for Analytical Chemistry Marco MASCINI (UNIVERSITÀ DEGLI STUDI DI FIRENZE, Sesto Fiorentino, Italy)
14:45	Closing Remarks
15:00	Announcements

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