

RICT 2008 - Drug Discovery and Selection

Programme

Wednesday July 1, 2009

08:00 Registration

09:15 Welcome Session

Prof. André TARTAR (UNIVERSITY LILLE 2, Lille, France)
Prof. Gerald GUILLAUMET (UNIVERSITÉ D'ORLÉANS, Orléans, France)

First Session: In Silico Selection

Session Chair:

Prof Luc MORIN-ALLORY
(UNIVERSITY OF ORLEANS, Orléans, France)

09:30 Navigation in Chemistry Universe Towards Biological Activity

Dr Peter ERTL
(NOVARTIS INSTITUTE FOR BIOMEDICAL RESEARCH, Basel, Switzerland)

10:15 Structure-Based in Silico Screening: Free Tools and Applications

Dr. Bruno VILLOUTREIX
(INSERM - UNIVERSITY PARIS DIDEROT, Paris, France)

Second Session: From Target Identification to Development

Session Chair:

Dr Philippe PITCHEN
(FOREST RESEARCH INSTITUTE, Hauppauge, United States)

11:00 The Therapeutic Potential of Pharmacological Inhibitors of Cyclin-Dependent Kinases

Dr Laurent MEIJER
(CNRS - ROSCOFF, Roscoff, France)

11:45 Targeted Small Molecule Anti-Cancer Drugs: an Asian Perspective from Discovery to Clinical

Dr. Stéphanie BLANCHARD
(S*BIO, Singapore, Singapore)

12:30 Lunch and Poster Session

12:30 Career Session in parallel From 12:30 till 16:00

Second Session: From Target Identification to Development (Fol.)

Session Chair:

Dr Luc VAN HIJFTE
(JANSSEN CILAG, Val de Reuil, France)

14:30 Selective Inhibitors of MMP-12 : from Chemistry to Therapeutic Applications

Dr. Vincent DIVE
(CEA, Gif-sur-Yvette, France)

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- 15:15** **Discovery of the Macrocyclic HCV Protease Inhibitor TMC435350**
Dr Pierre RABOISSON
(JANSSEN PHARMACEUTICAL COMPANIES)
- 16:00** **Coffee Break and Poster Session**
- Session Chair:**
Dr Solo GOLDSTEIN
(INSTITUT DE RECHERCHES SERVIER, Suresnes, France)
- 16:30** **Irreversible Serine Protease Inhibitors: Useful Tools in Drug Discovery**
Prof. Koen AUGUSTYNS
(UNIVERSITY OF ANTWERP, Antwerp, Belgium)
- 17:15** **« Paul Ehrlich » Lecture: Discovery of Xarelto, a Novel, Oral Antithrombotic Agent**
Dr. Susanne ROEHRIG
(BAYER SCHERING PHARMA, Wuppertal, Germany)
- 18:00** **« Paul Ehrlich » Lecture Award**
Prof. Gerald GUILLAUMET (UNIVERSITÉ D'ORLÉANS, Orléans, France)
Prof. André TARTAR (UNIVERSITY LILLE 2, Lille, France)
- 19:30** **Welcome Cocktail at Hôtel Grosloot (Offered by Mr. Serge Grouard, the Mayor of Orléans)**

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Thursday July 2, 2009

Session Third Session: Interfacing Chembio and Medchem

Session Chair:

Dr. Grégoire PREVOST
(GROUP IPSEN, Les Ulis, France)

08:30 GLP-1 Analog Taspoglutide: Design, Synthesis and Biological Activity

Dr. Jesse DONG
(IPSEN, Milford, United States)

09:15 Experiences in Fragment Based Lead Discovery

Prof. Rod HUBBARD
(UNIVERSITY OF YORK / VERNALIS, York, United Kingdom)

10:00 Coffee Break and Poster Session

Session Chair:

Prof. Gerard DELERIS
(UNIVERSITY BORDEAUX SEGALEN, Bordeaux, France)

10:30 Using Knowledge from NBEs to Inform Drug Design

Dr. Alastair LAWSON
(UCB CELLTECH, Slough, United Kingdom)

11:15 Diversity Oriented Synthesis of Natural Product Motifs

Prof. Nicolas WINSSINGER
(UNIVERSITY OF STRASBOURG, Strasbourg, France)

12:00 Lunch and Poster Session

Session Fifth Session: Imaging

Session Chair:

Dr Jean-Philippe ROCHER
(ADDEX THERAPEUTICS, Plan-les-Ouates, Switzerland)

08:30 Facilitating Drug Development with PET Imaging

Dr Yves P. AUBERSON
(NOVARTIS INSTITUTE FOR BIOMEDICAL RESEARCH, Basel, Switzerland)

09:15 Targeting G-Protein Coupled Receptors with Radiolabeled Peptides for the Molecular Imaging and Targeted Therapy of Cancer

Dr. Helmut MAECKE
(UNIVERSITY HOSPITAL, Basel, Switzerland)

10:00 Coffee Break and Poster Session

Session Chair:

Dr. Jean Claude BELOEIL
(CNRS UPR 4301, Orléans, France)

10:30 PET Imaging in Drug Discovery and Development of CNS Drugs

Dr. Jose Ignacio ANDRES
(JOHNSON & JOHNSON PHARMACEUTICAL R & D, Toledo, Spain)

11:15 Modified Selective Integrin Ligands for Cancer Therapy, Molecular Imaging and for Improvement of Biomaterials

Dr Horst KESSLER
(TECHNISCHE UNIVERSITÄT MÜNCHEN, Garching, Germany)

12:00 Lunch and Poster Session

Session Fourth Session: Synthesis and Lead Optimization

Session Chair:

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Prof. Christiane GARBAY
(UNIVERSITÉ PARIS 5, Paris, France)

14:00 Discovery of Potent, Selective and Orally Bioavailable DP2 Receptor Antagonists for the Treatment of Allergic Inflammatory Diseases

Dr. Stefano CROSIGNANI
(MERCK-SERONO PHARMACEUTICAL RESEARCH INSTITUTE, Plan-les-Ouates, Switzerland)

14:45 Dynamic Combinatorial Chemistry in Chemical Biology and Drug Discovery

Prof. Jean-Marie BEAU
(UNIVERSITÉ PARIS SUD 11, Orsay, France)

15:30 Development of Marine Anticancer Drugs

Dr. Andrés FRANCESCH
(PHARMAMAR, Colmenar Viejo, Spain)

16:15 Coffee Break and Poster Session

Session Chair:

Ing Michel CALDERINI
(MERCK, Darmstadt, Germany)

17:00 A Chemistry-Driven Approach to the Discovery of New Calcium-Sensing Receptor Ligands and Antimitotic Agents

Dr. Robert H. DODD
(ICSN CNRS, Gif-Sur-Yvette, France)

17:45 Knowledge management, prospective design and chemical enablement as strategies for lead optimization: The PDE-9 inhibitor and opiate antagonist case studies.

Dr Spiros LIRAS
(PFIZER GLOBAL RESEARCH, New York, United States)

Session Sixth Session: High Throughput Screening and Lead Identification

Session Chair:

Prof. Sylvain RAULT
(CERMN, Caen, France)

14:00 Generation of New Active Compounds in an Industrial-Academic Screening Organization

Dr. Frederic AUSSEIL
(INSTITUT DE RECHERCHE PIERRE FABRE, Toulouse, France)

14:45 New Strategies in Chemical Biology : Scientific and Therapeutic Outcome

Prof. Marcel HIBERT
(UNIVERSITY OF STRASBOURG, Illkirch, France)

15:30 The Crystal Structure of the Adenosine A2A Receptor - Implications for GPCR Drug Design

Prof. Ad P. IJZERMAN
(LEIDEN UNIVERSITY, Leiden, The Netherlands)

16:15 Coffee Break and Poster Session

Session Chair:

Dr Pascal GEORGE
(SANOFI-AVENTIS R&D, Longvilliers, France)

17:00 Aptamers: Oligonucleotides that Rival Antibodies for Therapeutics and Diagnostics.

Prof. Jean-Jacques TOULME
(IECB & INSERM - UNIVERSITÉ BORDEAUX II, Bordeaux, France)

17:45 Recent Developments in Structural Biology: Applying Crystallographic and NMR Approaches in Lead Finding and Optimization

Dr Vincent MIKOL
(SANOFI, Vitry-sur-Seine, France)

18:30 End of Conference

18:45 Departure to Gala Dinner

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Friday July 3, 2009

Fourth Session: Synthesis and Lead Optimization (fol.)

Session Chair:

Dr Françoise GUERITTE
(INSERM - CNRS, Gif-sur-Yvette, France)

09:00 Taking up the Adme Challenge

Prof. Benoit DEPRez
(UNIVERSITY OF LILLE 2, Lille, France)

09:45 Discovery of Novel Potent, Selective and Orally Efficacious A2B Adenosine Receptor Antagonists.

Dr. Bernat VIDAL
(LABORATORIOS ALMIRALL, Barcelona, Spain)

10:30 Coffee Break and Poster Session

Session Chair:

Prof Chris KRUSE
(ABBOTT, Weesp, The Netherlands)

11:00 New Synthetic Methods and their Application to the Preparation of Biologically Active Molecules

Prof. Mike SHIPMAN
(UNIVERSITY OF WARWICK, Coventry, United Kingdom)

11:45 « Prix Charles Mentzer »: From Heparin to New Anticoagulants with Unprecedented Pharmacological Profile

Dr. Maurice PETITOU
(ENDOTIS PHARMA, Romainville, France)

12:30 « Prix Charles Mentzer » Award

Prof. Gerald GUILLAUMET (UNIVERSITÉ D'ORLÉANS, Orléans, France)
Prof. André TARTAR (UNIVERSITY LILLE 2, Lille, France)

12:35 Lunch and Poster Session

Seventh Session: Biophysics Tools and ADME Tox

Session Chair:

Dr Bruno FIGADERE
(UNIVERSITÉ PARIS-SUD, Chatenay-Malabry, France)

14:00 Biophysical Approaches in the Hit-to-Lead Optimisation Strategy

Dr. Jean BOUTIN
(INSTITUT DE RECHERCHES SERVIER, Croissy-sur-Seine, France)

14:45 ADME-PK Optimization Strategies in Drug Discovery and Selection

Dr. Sonia POLI
(ADDEX PHARMA, Plan-les-Ouates, Switzerland)

15:30 Poster Prizes

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16:00

Conclusions

Prof. Gerald GUILLAUMET (UNIVERSITÉ D'ORLÉANS, Orléans, France)

Prof. André TARTAR (UNIVERSITY LILLE 2, Lille, France)