

RICT 2008 - Interfacing Chemical Biology, Natural Products and Drug Discovery

Programme

Wednesday July 2, 2008

08:30 **Registration of participants & Introduction**
Accueil des participants & Introduction

Session 1
From Natural Products to Drug Discovery
Des produits naturels à la découverte de médicaments

Prof. Pascal RICHOMME
(UNIVERSITÉ D'ANGERS, Angers, France)

09:30 **New Approaches for the Search of New Bioactive Compounds from Higher Plants**

Prof. Kurt HOSTETTMANN
(UNIVERSITÉ DE GENÈVE SCIENCES II, Genève, Switzerland)

10:15 **Marine Metabolites as Pharmacophores and Biomedical Research Tools**

Prof. Marcel JASPARS
(UNIVERSITY OF ABERDEEN, Old Aberdeen, United Kingdom)

11:00 **Elucidating New Pathways for Natural Product Biosynthesis and Exploiting them for Drug Discovery**

Prof. Gregory L. CHALLIS
(UNIVERSITY OF WARWICK, Coventry, United Kingdom)

12:00 **Lunch and Poster**
Repas et installation des communications par affiches

13:30 **From a Plant to a Drug Candidate S 23906 and Acronycin Derivatives - Illustration of the Complementarity of Industrial and Academic Approaches**

Prof. François TILLEQUIN
(UNIVERSITÉ PARIS DESCARTES, Paris, France)

From a Plant to a Drug candidate S 23906 and Acronycin derivatives Illustration of the complementarity of industrial and academic approaches

Dr. Bruno PFEIFFER
(INSTITUT DE RECHERCHES SERVIER, Croissy sur Seine, France)

14:15 **Venomics – Targeted Drug Discovery in Animal Venoms**

Dr. Reto STÖCKLIN
(ATHERIS LABORATORIES, Geneva, Switzerland)

15:00 **Poster Session**
Communications par affiches

Session 2
Natural Products Synthesis
Synthèse de produits naturels

Prof. Michael D. THREADGILL
(UNIVERSITY OF BATH, Bath, United Kingdom)

15:30 **Recent Advances in the Total Synthesis of Bioactive Natural Products**

Prof. Tony BARRETT
(IMPERIAL COLLEGE, London, United Kingdom)

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- 16:15** **Mimicking "Nature Diversity-Oriented Synthesis": the Manzamine Family of Marine Alkaloids**
Dr. Christian MARAZANO
(INSTITUT DE CHIMIE DES SUBSTANCES NATURELLES, Gif-sur-Yvette, France)
- 17:00** **Synthetic, Structural and Biosynthetic Studies on Mupirocin (Pseudomonic Acid) Biosynthesis**
Prof. Tom SIMPSON
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)
- 18:45** **Reception at Hôpital St. Jean offered by the municipality of Angers (including a visit of the Apocalypse by Jean Lurçat**
Réception à l'Hôpital St. Jean offerte par la municipalité d'Angers (avec un visite de l'Apocalypse de Jean Lurçat

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Thursday July 3, 2008

Session 3

Challenging Targets and Approaches Cibles et approches déifiantes

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

08:45 Chromenone- and Pyranone-Based Inhibitors of DNA Damage-Activated Kinases as Antitumour Agents

Prof. Roger J. GRIFFIN
(NEWCASTLE UNIVERSITY, Newcastle upon Tyne, United Kingdom)

09:30 "Prix Charles Mentzer"

Development and Biological Evaluation of Prodrugs for a Selective Treatment of Cancer

Prof. Lutz F. TIETZE
(GEORG-AUGUST-UNIVERSITÄT, Göttingen, Germany)

**10:15 Coffee break
Pause café**

10:35 P-Glycoprotein - from Inhibitor Design to Substrate Prediction

Prof. Gerhard ECKER
(EFMC, UNIVERSITY OF VIENNA, Vienna, Austria)

11:20 Targeting DNA and Protein-Protein Interactions

Dr. Mark SEARCEY
(UNIVERSITY OF EAST ANGLIA, Norwich, United Kingdom)

12:15 Mini-Session

Chemical Biology, Life Sciences and Drug Discovery: How to Promote "Cross-Talks"?

Prof. Gerard DELERIS (UNIVERSITY BORDEAUX SEGALEN, Bordeaux, France)
Dr Yves ROLLAND (SOCIÉTÉ DE CHIMIE THÉRAPEUTIQUE, Châtenay-Malabry, France)

**12:45 Lunch
Repas**

Career Opportunities Session from 14:00 to 15:30 Session carrières de 14h à 15h30

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

13:45 Chemical Diversity and Biotransformation: Metabolomics Based Approaches

Mr. Bernard WALTHER
(TECHNOLOGIE SERVIER, Orleans, France)

14:30 Inhibitors of Heterotrimeric G-Protein Signalling: A New Strategy for Anti Cancer Therapy

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

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15:15 **Poster Session**
Ciommunications par affiches

Session 4
Tools and Approaches
Outils et approches

Prof. Tom SIMPSON
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

16:00 **Finding New Biologically Active Natural Products via HTS: Reality or Utopia**

Dr. Delphine JACQUOT
(MERCK KGAA, Darmstadt, Germany)

16:45 **High Throughput Physicochemical Profiling in Drug Discovery - Equilibria and Dynamics**

Dr Richard TAYLOR
(UCB, Slough, United Kingdom)

17:30 **ADME/Tox: a New Tool for Medicinal Chemistry**

Dr. Christian FILAQUIER
(CENTRE DE RECHERCHE PIERRE FABRE, Castres, France)

Gala Dinner at "Greniers St. Jean"
Dîner de gala aux Greniers St. Jean

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**Session 5
Tools and Approaches
Outils et approches**

Prof. Janos SAPI
(SCT & UNIVERSITY OF REIMS-CHAMPAGNE-ARDENNE, Reims, France)

08:45 Approaches to the Design of Kinase Inhibitors by Molecular Modeling

Dr. Pascal FURET
(NOVARTIS PHARMA INC, Basel, Switzerland)

**09:30 "Paul Ehrlich" Lecture
Some Recent Advances in Drugs and Nanomaterials Development for Therapeutical Applications**

Dr Frédéric TARAN
(CEA/SACLAY, Gif-sur-Yvette, France)

**10:15 Coffee break
Pause café**

Prof. Marcel JASPARS
(UNIVERSITY OF ABERDEEN, Old Aberdeen, United Kingdom)

10:35 A Multidisciplinary Approach Leading to the Discovery of a Novel RSV Fusion Inhibitor

Dr Jean-François BONFANTI
(TIBOTEC, A DIVISION OF JANSSEN-CILAG, Val de Reuil, France)

11:20 Identification of activin-like kinase 5 (ALK5) inhibitors for the treatment of fibrosis: chronicle of a toxicity foretold

Dr. Françoise GELLIBERT
(SERVIER, Suresnes Cedex, France)

**12:15 Lunch
Repas**

**Session 6
Carbohydrates
Hydrates de carbone**

Dr Luc VAN HIJFTE
(JANSSEN RESEARCH & DEVELOPMENT, Nijmegen, The Netherlands)

13:45 From Automated Oligosaccharide Synthesis to a Malaria Vaccine

Dr. Bastien CASTAGNER
(ETH, Zürich, Switzerland)

14:30 Design, Synthesis and Properties of SSR126517E, a Biotinylated Antithrombin Pentasaccharide

Dr. Gilbert LASSALLE
(SANOFI-AVENTIS, Toulouse, France)

**15:15 Closing
Conclusions**