

Programme

Wednesday July 3, 2019

07:30 Registration

08:30 RICT 2019 Opening

Prof. Sebastien PAPOT (UNIVERSITY OF POITIERS, Poitiers, France)
Prof. Pascal MARCHAND (UNIVERSITY OF NANTES, Nantes, France)
Dr Patricia LEMARCHAND (UNIVERSITY OF NANTES, Nantes, France)

Inaugural Conference

Session Chair:

Prof. Sebastien PAPOT
(UNIVERSITY OF POITIERS, Poitiers, France)

09:00 PL01: What Makes a Great Medicinal Chemist: Some Fresh Thoughts

Dr Mark MURCKO
(RELAY THERAPEUTICS, Boston, MA, United States)

Session 1: Recent Advances for Cancer Therapy

Session Chair:

Dr Yannick JACQUES
(INSERM/CNRS, Nantes, France)

09:45 PL02: Reprogramming the Reactivity of Iron in Cancer

Dr Raphaël RODRIGUEZ
(INSTITUT CURIE, Paris, France)

10:30 Coffee Break and Exhibition

11:00 PL03: Quo Vadis Small Molecule Cancer Therapeutics?

Dr Ingo HARTUNG
(BAYER HEALTHCARE, Darmstadt, Germany)

11:45 KL01: Therapeutic Potential of Macrocyclic ALK2 Inhibitors

Dr Pascal BENDERITTER
(ONCODESIGN, Dijon, France)

12:15 Lunch

13:00 Posters (Odd numbers) and Exhibition

Session 2: Artificial Intelligence in Drug Discovery

Session Chair:

Prof. Pascal BONNET
(UNIVERSITY OF ORLÉANS, Orléans, France)

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- 14:30** **PL04: Massively Multi-target Profile-QSAR: IC50 Predictions Comparable to 4-Concentration Experiments for most Novartis Assays**
Dr Eric MARTIN
(NOVARTIS, Emeryville, United States)
- 15:15** **PL05: Automated Syntheses Planning and its Implications for Drug Design**
Dr Marwin SEGLER
(BENEVOLENTAI, Cambridge, United Kingdom)
- 16:00** **Coffee Break and Exhibition**
- Session 3: Mechanism Based Approaches**
- Session Chair:**
Dr Maria DUCA
(UNIVERSITY OF CÔTE D'AZUR, Nice, France)
- 16:30** **PL06: Discovery of Risdiplam, a Selective Survival of Motor Neuron-2 (SMN2) Gene Splicing Modifier for the Treatment of Spinal Muscular Atrophy (SMA)**
Dr Hasane RATNI
(F. HOFFMANN-LA ROCHE LTD, Basel , Switzerland)
- 17:15** **PL07: The Influence of Free Ligand Conformations on Mcl-1 PPI Inhibition**
Dr Rodrigo CARBAJO
(ASTRAZENECA, Cambridge, United Kingdom)
- 18:00** **KL02: Tackling a Unique S1 Protease by SBDD - Highly Potent & Selective Factor D Inhibitors - Age-Related Macular Generation (AMD)**
Dr Edwige LORTHIOIS
(NOVARTIS, Basel, Switzerland)
- 18:30** **Welcome and Networking Reception**
- 20:30** **End of the day**

Thursday July 4, 2019

Session 4: Paul Ehrlich Award Lecture (sponsored by Janssen Research & Development)

Session Chairs:

Dr Luc VAN HIJFTE (MERCACHEMSYNCOM, Nijmegen, The Netherlands)
Dr Jose CID (JANSSEN R&D, Toledo, Spain)

08:45 PL08: Paul Ehrlich Award Lecture - Chemotype - Phenotype - Target

Prof. Herbert WALDMANN
(MAX PLANCK INSTITUTE OF MOLECULAR PHYSIOLOGY, Dortmund, Germany)

Session 5: New Breakthrough in Antibody-based Therapy

Session Chair:

Prof. Marie-Claude VIAUD-MASSUARD
(FACULTÉ DES SCIENCES PHARMACEUTIQUES - UNIVERSITÉ DE TOURS, TOURS, France)

09:45 PL09: Chemical Physiology of Antibody Conjugates and Natural Products

Prof. Gonalo BERNARDES
(INSTITUTO DE MEDICINA MOLECULAR, PORTUGAL & UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)

10:30 Coffee Break and Exhibition

11:00 PL10: Click-Cleavable Antibody-Drug Conjugates

Dr Marc ROBILLARD
(TAGWORKS PHARMACEUTICALS, Eindhoven, The Netherlands)

11:45 PL11: Increasing Brain Exposure of Therapeutic Antibodies

Dr Dominique LESUISSE
(SCT & SANOFI, Chilly-Mazarin, France)

12:30 Lunch

13:00 Posters (Even numbers) and Exhibition

Session 6: Sugars in Drug Discovery

Session Chair:

Prof. Didier DUBREUIL
(CEISAM - UNIVERSITY OF NANTES, Nantes, France)

14:30 PL12: Carbohydrate-Lectin Interactions - What Makes Them Unique?

Prof. Dr Beat ERNST
(UNIVERSITY OF BASEL, Basel, Switzerland)

15:15 PL13: Complex Glycans in Health and Disease

Prof. Geert-Jan BOONS
(UTRECHT UNIVERSITY, Utrecht, The Netherlands)

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16:00 **Coffee Break and Exhibition**

Session 7: New Modalities in Drug Discovery

Session Chair:

Prof. Pascal MARCHAND
(UNIVERSITY OF NANTES, Nantes, France)

16:30 **PL14: Unlocking Drug Discovery Power through Collaborative Efforts between Academia and CRO : Bringing Novel Tankyrase Inhibitors towards the Clinic**

Dr Anita WEGERT
(MERCACHEM-SYNCOM, Nijmegen, The Netherlands)

17:15 **PL15: Identification of S 64315, a Potent and Selective Mcl-1 Inhibitor through Fragment-based Drug Discovery**

Dr Andras KOTSCHY
(SERVIER RESEARCH INSTITUTE OF MEDICINAL CHEMISTRY, Budapest, Hungary)

18:00 **KL03: Nanofitin Modules Platform: Go Multispecific, Go Multiparatopic !**

Dr Anne CHEVREL
(AFFILOGIC, Nantes, France)

18:30 **End of the day**

20:30 **Banquet**

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Friday July 5, 2019

Session 8: New Tools for Therapeutic Innovation

Session Chair:

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

08:30 PL16: Straightforward Conversion of Peptides into Bioactive Lactam-Based Foldamers

Prof. Muriel AMBLARD
(CNRS-UNIVERSITY OF MONTPELLIER I, Montpellier, France)

09:15 PL17: Chemical Biology of mRNA Modifications

Prof. Andrea RENTMEISTER
(UNIVERSITY OF MÜNSTER, Münster, Germany)

10:00 Coffee Break and Exhibition

Session 9: Modifying Proteins Structures and Functions

Session Chair:

Dr Gilles GUICHARD
(UNIVERSITY OF BORDEAUX, CBMN, Bordeaux, France)

10:30 PL18: Modulating Different Components of the Ubiquitin System with Small Molecules and Cyclic Peptides

Prof. Ashraf BRIK
(TECHNION-ISRAEL INSTITUTE OF TECHNOLOGY, Haifa, Israel)

11:15 PL19: Cysteine Arylation to Engineer, Deliver, and Discover Proteins

Prof. Bradley Lether PENTELUTE
(MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA, United States)

Session 10: Pierre Fabre Award Lecture (Sponsored by Pierre Fabre)

Session Chairs:

Dr Serge GRISONI (CENTRE DE RECHERCHE ET DÉVELOPPEMENT PIERRE FABRE, Toulouse, France)
Dr Brigitte LESUR (SCT & INSTITUT DE RECHERCHES SERVIER, Paris, France)

12:00 PL20: Pierre Fabre Award Lecture - Click Chemistry with Mesoionics: New Tools for Chemical Biology

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

13:00 Closing Remarks