

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. Gonçalo 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