Interfacing Chemical Biology and Drug Discovery

Programme

Wednesday July 7, 2021

Session RICT Opening

09:45 **Opening Ceremony**

Prof. Rebecca DEPREZ-POULAIN (INSERM - UNIVERSITÉ DE LILLE / INSTITUT PASTEUR OF LILLE, Lille, France)
Prof. Sebastien PAPOT (UNIVERSITY OF POITIERS, Poitiers, France)

Session Chemical Biology and Target validation

Session Chair

Dr Boris VAUZEILLES
(INSTITUT DE CHIMIE DES SUBSTANCES NATURELLES, Gif-sur-Yvette, France)

10:00 **Expanding the Genetic Code - Chemistry in Living Systems (PL01)**

Prof. Kathrin LANG
(ETH ZURICH, Zurich, Switzerland)

10:30 **Ligand-Directed Labeling of Endogenous Proteins in Live Cells (PL02)**

Prof. Itaru HAMACHI
(KYOTO UNIVERSITY, Kyoto, Japan)

11:00 **Networking & Exhibition break**

Session Chair

Dr Frédéric SCHMIDT
(INSTITUT CURIE, Paris, France)

11:30 **Bioorthogonal Protein Activation in Living Systems (PL03)**

Prof. Peng CHEN
(PEKING UNIVERSITY, Beijing, China)

12:00 **Chemical Biology Tools for Enlightening Therapies (IL01)**

Prof. Olalla VÁZQUEZ
(PHILIPPS-UNIVERSITÄT MARBURG, Marburg, Germany)

12:20 **End of morning session**

Session Poster Session 1
Exhibition
Networking

Session New Modalities in Drug Discovery

Session Chair

Prof. Mélanie ETHEVE-QUELQUEJEU
(UNIVERSITÉ DE PARIS, Paris, France)

15:00 **Chemical Targeting of DNA and Histone Methylationto Reprogram Cells in Human Diseases: Challenges and Future Perspectives (PL04)**

Dr Paola B. ARIMONDO
(INSTITUT PASTEUR - CNRS, Paris, France)

15:30 **The Second Dimension of the Genetic Code (PL05)**

Prof. Thomas CARELL
(LUDWIG-MAXIMILIANS-UNIVERSITY, München, Germany)

16:00 **Networking & Exhibition break**

16:30 **From Simple to Complex in Natural Product Chemistry: Bio-Inspired Strategies to Escape “Flatland” (PL06)**

Prof. Erwan POUPON
(PARIS-SACLAY UNIVERSITY, Châtenay-Malabry, France)

Session Chair

Dr Maria DUCA
(UNIVERSITY OF CÔTE D'AZUR, Nice, France)

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17:00 **Taming Random Conjugation: a General Approach for Equimolar Linking of Proteins and Payloads (IL02)**
Dr Sergii KOLODYCH
(SYNDIVIA, Strasbourg, France)

17:20 **End of afternoon session**

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Thursday July 8, 2021

Session Case Studies and Disclosures

Session Chair

Dr Pascal GEORGE
(SCIENTIFIC EXPERT & ADVISER IN DRUG DESIGN AND DEVELOPMENT, Longvilliers, France)

10:00 **Steroid Sulfatase Inhibition: from Concept to Clinical and Beyond (PL07)**

Prof. Barry POTTER
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

10:30 **Recent Advances In Breast Cancer Treatment: Discovery of Amcenestrant (SAR439859), An Orally Bioavailable Selective Estrogen Receptor Degrader (SERD) to Treat ER+ Breast Cancers (PL08)**

Dr Youssef EL AHMAD
(SANOFI, Vitry Sur Seine, France)

11:00 **Networking & Exhibition break**

Session Chair

Dr Olivier MIRGUET
(EVOTEC, Celle-L'Evescault, France)

11:30 **Daridorexant - a Dual Orexin Receptor Antagonist (PL09)**

Dr Christoph BOSS
(IDORSIA PHARMACEUTICALS LTD, Basel, Switzerland)

12:00 **Anti-Virulence Agent to Treat S. Aureus Infections (IL03)**

Dr Alessia MICHELOTTI
(BIOVERSYS AG, Lille, France)

12:20 **End of morning session**

Session Poster Session 2
Exhibition
Networking

Session New Tools for Therapeutic Innovation

Session Chair

Prof. Sébastien LECOMMANDOUX
(LCPO, ENSCBP-BORDEAUX INP, Pessac, France)

15:00 **Multi-Target-Directed Ligands to Combat Neurodegenerative Diseases: All-In-One and One-For-All (PL10)**

Prof. Maria Laura BOLOGNESI
(UNIVERSITY OF BOLOGNA, Bologna, Italy)

15:30 **Converting Drug Delivery Technologies into Drugs in Unmet Medical Needs (PL11)**

Prof. Jean-Christophe LEROUX
(ETH ZÜRICH, Zürich, Switzerland)

16:00 **Networking & Exhibition break**

Session Prize Ceremony - Paul Ehrlich Prize

16:30 **Paul Ehrlich Prize Ceremony**

Dr Susana CONDE CEIDE (JANSSEN, Toledo, Spain)
Dr Dominique LESUISSE (SCT & SANOFI, Chilly-Mazarin, France)

16:40 **Paul Ehrlich Award Lecture - 30 Years of Molecular Glues: Controlling Cell Circuitry in Biology and Medicine (PL12)**

Prof. Stuart SCHREIBER
(HARVARD UNIVERSITY, Cambridge, United States)

17:25 **End of afternoon session**

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Friday July 9, 2021

Session Drugging the Undruggable

Session Chair

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

10:00 **Targeting Protein-Protein Interactions in Receptor Complexes (PL13)**

Prof. Kristian STROMGAARD
(UNIVERSITY OF COPENHAGEN, Copenhagen, Denmark)

10:30 **Selecting Targets to Harness the Therapeutic Opportunities Afforded by PROTAC-mediated Protein Degradation (PL14)**

Dr John HARLING
(GLAXOSMITHKLINE, Stevenage, United Kingdom)

11:00 **Networking & Exhibition break**

Session Chair

Prof. Dominique BONNET
(CNRS-UNIVERSITY OF STRASBOURG, Illkirch, France)

11:30 **Proteomimetics as Inhibitors of Transcription Factor Complexes (PL15)**

Prof. Tom GROSSMANN
(VU UNIVERSITY AMSTERDAM, Amsterdam, The Netherlands)

12:00 **Drugging KRAS with Medchem 2.0 (PL16)**

Dr Darryl MCCONNELL
(BOEHRINGER INGELHEIM, Austria)

12:30 **End of morning session**

Session Poster Session 3
Exhibition
Networking

Session Success Stories

Session Chair

Prof. Philippe BARTHELEMY
(UNIVERSITY OF BORDEAUX, Bordeaux, France)

15:00 **Identification of the Potent, Highly Selective and Orally Bioavailable ATR Inhibitor BAY 1895344 (PL17)**

Dr Franz VON NUSSBAUM
(NUVISAN, Berlin, Germany)

15:30 **Biomimetic Chemistry of Human RNAi Therapeutics (PL18)**

Dr Muthiah MANOHARAN
(ALNYLAM PHARMACEUTICALS, Cambridge, United States)

16:00 **Networking & Exhibition break**

Session Prize Ceremony - Pierre Fabre Award Lecture

16:30 **Pierre Fabre Award Ceremony**

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

16:40 **Pierre Fabre Award Lecture - Metal Complexes in Medicinal Chemistry (PL19)**

Dr Gilles GASSER
(CHIMIE PARISTECH, PSL UNIVERSITY, Paris, France)

17:25 **Closing Remarks**

Prof. Rebecca DEPREZ-POULAIN
(INSERM - UNIVERSITÉ DE LILLE / INSTITUT PASTEUR OF LILLE, Lille, France)

17:30 **End of RICT 2021**

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