

ACADEMIA-INDUSTRY  
**DRUG RESEARCH**  
SYNTHETIC BIOLOGY GREEN CHEMISTRY  
ARTIFICIAL INTELLIGENCE



**Day 1: Thursday, April 18, 2024**

08:30 – 09:00

Registration  
Breakfast



Université  
franco-allemande  
Deutsch-Französische  
Hochschule

09:00 – 09:30

Welcome & Foreword – Christophe ROMIER & Rémi BARILLON

09:30 – 12:00

**1<sup>st</sup> Plenary Session**

**GREEN CHEMISTRY**

Chair: Stefan CHASSAING, Société Chimique de France

**Patrick PALE - University of Strasbourg, Strasbourg, France**  
*Green chemistry - from where to where?*

**Michael LUESCHER - Novartis, Basel, Switzerland**  
*Data-driven decision making to facilitate sustainable process development!*

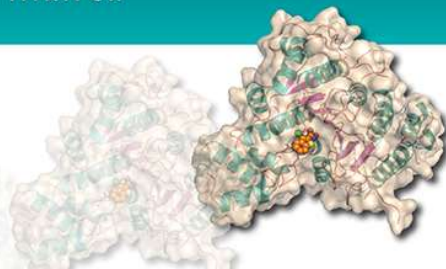
**Francesca PARADISI - University of Bern, Bern, Switzerland**  
*Towards integration of biocatalysis in chemical processes*

**Deniz KARABIYKLI – University of Strasbourg, Strasbourg, France**  
*Green and/or solvent-free Buchwald-Hartwig amination: towards sustainable catalysis*

**Timothé MAUJEAN – University of Strasbourg, Strasbourg, France**  
*A Thia-Diels-Alder click reaction for the straightforward labelling of peptides under green conditions*



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12:00 – 13:30

Lunch & Poster session



13:30 – 15:00

1<sup>st</sup> round tables

NeuroStra | Le système nerveux  
de l'adaptation aux pathologies

Les Instituts thématiques interdisciplinaires  
de l'Université de Strasbourg  
dans le cadre de l'Initiative d'excellence

### Open Science

Chair: Katia BEFORT, Société de Biologie de Strasbourg

Stéphanie CHEVIRON, University of Strasbourg, France  
Héloïse GAZEAU, University of Strasbourg, France  
Jan LEENDERTSE, University of Freiburg, Germany  
Raphaël LEVY, University Sorbonne Paris Nord, France  
Eric QUEMENEUR, Transgene, Strasbourg, France  
Stephanie RENNES, Ministère de l'économie, des  
finances et de la souveraineté industrielle et  
numérique, Paris, France  
Andrea THORN, University of Hamburg, Germany

### Equity and Inclusion in Science

Chairs: Sylvie FOURNEL, Société de Biologie de Strasbourg  
Arwen PEARSON, University of Hamburg, Germany

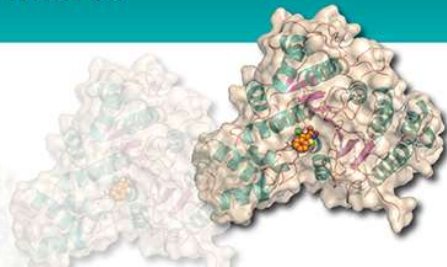
Serena BERNACCHI, Women in Science, Strasbourg, France  
Romain BOURDY, University of Strasbourg, France  
Emilie DENAT-TURGIS, Rectorat de Strasbourg, France  
Marine DESAGE-EL MURR, Women in Science, Strasbourg,  
France  
Isabelle KRAUS, University of Strasbourg, France  
Eloi VERRIER, University of Strasbourg, France

15:00 – 16:00

Coffee Break & Poster Session



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16:00 – 18:30 **2<sup>nd</sup> Plenary Session**

**SYNTHETIC BIOLOGY**



Chair: Dr. Coraline RIGOUIN, ESBS

**Barbara DI VENTURA - University of Freiburg, Freiburg, Germany**  
*Inteins as molecular tools for synthetic biology*

**Vincent LEBRUN - University of Strasbourg, Strasbourg, France**  
*Design of amyloid-like artificial metalloenzymes*

**Florence BORDES - Toulouse Biotechnology Institute, Toulouse, France**  
*Combining enzymatic and metabolic engineering in the yeast *Y. lipolytica* to produce original lipids and polymers*

**Michael MULOT - Hybrigenics Services, Evry, France**  
*Unraveling the proteome and ubiquitin pathways by chemically induced proximity*

**Diana SCHWARZ – Karlsruhe Institute of Technology, Karlsruhe, Germany**  
*Influencing tomato root development by genetic modification of MIG transcription factors*

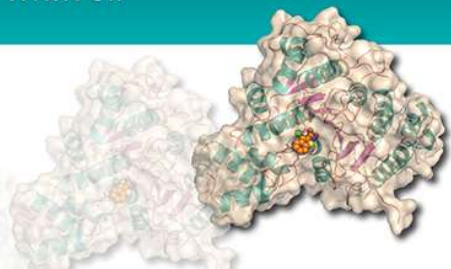
20:00 – 22:00

**Gala Dinner at Maison Kammerzell**





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**Day 2: Friday, April 19, 2024**

09:00 – 10:30

2<sup>nd</sup> round tables

**Science with and for the Society**

Chair: Marcel HIBERT, University of Strasbourg

Marlin DÜRRSCHNABEL, Karlsruhe Institute of Technology,  
Karlsruhe, Germany

Mélodie FAURY, Muséum national d'Histoire naturelle, Paris,  
France

Pierre FECHTER, Maison pour la Science, Strasbourg, France

Meriem FOURNIER, INRAE Grand Est, Nancy, France

Bénédicte LEBEAU, University of Haute Alsace, Mulhouse,  
France

Céline TARNUS, University of Haute Alsace, Mulhouse, France

Agnès VERNET, Science journalist, AJSPI, Lyon, France

**Evolution of Science Jobs**

Chair: Giovanna LATERZA, Pépité Etena,  
University of Strasbourg

Farah BOUHEDDA, Merck, Molsheim, France

David BRUCHLEN, ScienceMeUp, Strasbourg,  
France

Philippe CHAVOT, University of Strasbourg, France

Xavier ESPANEL, Novalix, Strasbourg, France

Amandine PERRET, University of Strasbourg,  
France

Guillaume VETTER-GENOUD, Quest for Health,  
Strasbourg, France

10:30 – 11:30

Coffee Break & Poster Session



11:30 – 12:30

Keynote - Raphaël RODRIGUEZ,

Curie Institute, Paris, France

*Chemical control of cell plasticity*



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12:30 – 13:30

Lunch & Poster session



13:30 – 16:00

3<sup>rd</sup> Plenary Session

**NEW STRATEGIES IN DRUG RESEARCH**



Chair: Christophe DECROOS, University of Strasbourg

**Luisa DE COLA - University of Milan, Milan, Italy**

*Small breakable nanocapsules for crossing body barriers*

**Julie KARPENKO – University of Strasbourg, Strasbourg, France**

*Alared: a solvatochromic red amino acid for labeling of bioactive peptides*

**Vianney POIGNAVENT - Serendip innovations, Strasbourg, France**

*A modular plant virus-derived nanoparticle for drug vectorization*

**Laetitia PREAU - Karlsruhe Institute of Technology, Karlsruhe, Germany**

*Systems approaches identify new drug targets for vascular therapies*

**Aurora SILVESTRI – IGBMC, Illkirch, France**

*Structural studies of CBP/p300 complexes and characterization of peptide based CBP inhibitors*



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16:00 – 17:30

Round table

### Artificial Intelligence at the Biology / Chemistry Interface

Chair: Christophe ROMIER, Société de Biologie de Strasbourg

Jean-Luc DIMARCO, IHU, University of Strasbourg, France

Jean-Marc DELTORN, CEIPI, University of Strasbourg, France

Anne JEANNIN-GIRARDON, CRBS, University of Strasbourg, France

Gilles MARCOU, Chemistry faculty, University of Strasbourg, France

Andrea THORN, University of Hamburg, Germany

Nihal Engin VRANA, Spartha Medical, Strasbourg, France

17:30 – 18:30

Poster/Talks Awards & Drinks



MACHEREY-NAGEL

