

BARRANDE-VLTAVA 2019
10th French-Czech Chemistry Meeting
2-3 September 2019, IOCB Prague

PROGRAMME

SUNDAY, 1 September 2019

18:30 - 19:30 Registration (Villa Lanna, V Sadech 1, Prague 6)

19:30 - 22:00 Welcome Party (Villa Lanna, V Sadech 1, Prague 6)

MONDAY, 2 September 2019

8:30 - 8:50 Registration (IOCB Prague, Flemingovo náměstí 2, Prague 6)

8:50 - 9:00 **Opening of the Meeting**
Irena G. STARÁ, Chairperson of the Organising Committee of the Meeting
Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague

MORNING SESSION

Chairperson Michel MEYER
Institut de Chimie Moléculaire de l'Université de Bourgogne (ICMUB),
CNRS, Université Bourgogne Franche-Comté, Dijon

9:00 - 9:40 **PL 1 Janine COSSY**
C3M, École supérieure de physique et de chimie industrielles de la Ville de Paris (ESPCI Paris)
Synthesis of Functionalized Heterocycles with or without Metal Catalyst?

9:40 - 10:00 **OC 1 Jennifer WYTKO**
Institut de Chimie de Strasbourg, CNRS, Université de Strasbourg
Photoinduced Shuttling in a Porphyrin-Fullerene Rotaxane

10:00 - 10:40 **PL 2 Pavel JUNGWIRTH**
Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague
Cell Penetration and Membrane Fusion: Two Sides of the Same Coin

10:40 - 11:00 Coffee Break

11:00 - 11:40 **PL 3 Louis FENSTERBANK**
Institut Parisien de Chimie Moléculaire (IPCM), CNRS, Sorbonne Université, Paris
Recent Developments in Photoredox Catalysis and Dual Catalysis

11:40 - 12:00 **OC 2 Tomáš LANDOVSKÝ**
Department of Organic Chemistry, University of Chemistry and Technology, Prague
New Inherently Chiral Sulfonylcalixarene-Like Macrocycles: Synthesis and Conformational Behavior

12:00 - 12:20 **OC 3 Agnese AMATI**
Institut de Chimie de Strasbourg, Université de Strasbourg
& Department of Chemical and Pharmaceutical Sciences, University of Trieste
Sn(IV) Multiporphyrin Arrays as Tunable Photoactive Systems

12:20 - 13:00 **PL 4 Jiří MÍŠEK**
Department of Organic Chemistry, Faculty of Science, Charles University, Prague
Chiral Fluorescent Probes for Chemical Biology and Catalysis

13:00 - 14:20 Lunch

AFTERNOON SESSION

Chairperson Petr SLAVÍČEK

Department of Physical Chemistry, University of Chemistry and Technology, Prague

14:20 - 15:00

PL 5

Ivan HUC

Department of Pharmacy, Ludwig-Maximilians-Universität, Munich

Aromatic Foldamers: Engineering Molecular Shape

15:00 - 15:20

OC 4

Tereza PAVLÍČKOVÁ

Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague

& Institut des Biomolécules Max Mousseron (IBMM), CNRS, ENSCM, Université de Montpellier

From the Total Synthesis of 18-F₃₁-Isoprostane to a Pool of Neuroprostanes

15:20 - 15:40

OC 5

André GOURDON

CEMES-CNRS, Toulouse

A Practical General Method for the Preparation of Long Acenes

15:40 - 16:00

OC 6

Petra ČECHOVÁ

Regional Centre of Advanced Technologies and Materials, Department of Physical Chemistry,

Faculty of Science, Palacký University Olomouc

Human OATP1B1: Homology Modelling and Molecular Dynamics

16:00 - 17:00

PS

Poster Session with refreshments

17:00 - 17:40

PL 6

Jaroslav ROH

Department of Organic and Bioorganic Chemistry, Faculty of Pharmacy in Hradec Králové,

Charles University

Towards the Mechanism of Action of Dexrazoxane, the only Clinically used Cardioprotective

Drug against Anthracycline Cardiotoxicity, through Structure-Activity Relationship Study

17:40 - 18:00

OC 7

Magdaléna HROMADOVÁ

J. Heyrovský Institute of Physical Chemistry of the Czech Academy of Sciences, Prague

Charge Transport Properties of Oligophenylene Molecular Wires Containing *meta* and *para*

Substituted Tripodal Anchoring Group

18:00 - 18:20

OC 8

Yannick GEIGER

Institut de Physique et Chimie des Matériaux de Strasbourg (IPCMS), CNRS,

Université de Strasbourg

First Observation of Hyperpositive Non-Linear Effects in Asymmetric Catalysis

19:30 - 22:00

Reception at the French Embassy in Prague, Buquoy Palace

(Velkopřevorské náměstí 2, Prague 1 - Malá Strana)

TUESDAY, 3 September 2019

MORNING SESSION

Chairperson Jennifer WYTKO

Institut de Chimie de Strasbourg, CNRS, Université de Strasbourg

- 9:00 - 9:40 **PL 7** **Pavína ŘEZÁČOVÁ**
Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague
Structure-Assisted Design of Enzyme Inhibitors
- 9:40 - 10:00 **OC 9** **Peter POLÁK**
Department of Organic Chemistry, University of Chemistry and Technology, Prague
Transition Metal-Catalysed Cross-Coupling Reactions of Hetero- and Carbocyclic Templates for Synthesis of Valuable Molecules
- 10:00 - 10:40 **PL 8** **Jean-Claude CHAMBRON**
Institut de Chimie de Strasbourg, CNRS, Université de Strasbourg
The Self-Assembly of Cryptophanes
- 10:40 - 11:00 **Coffee Break**
- 11:00 - 11:40 **PL 9** **Radek ZBOŘIL**
Regional Centre of Advanced Technologies and Materials, Palacký University Olomouc
Chemistry of Carbon Nanostructures towards Advanced Biomedical, Magnetic, and Industrial Technologies
- 11:40 - 12:00 **OC 10** **Michel MEYER**
Institut de Chimie Moléculaire de l'Université de Bourgogne (ICMUB), CNRS, Université Bourgogne Franche-Comté, Dijon
Looking Beyond the Iron Transport by Hydroxamic Siderophores: From the Uptake of Actinides in Soils to the Development of a Highly Efficient Zirconium Radiotracer for Positron Emission Tomography
- 12:00 - 12:20 **OC 11** **Jiří KLÍVAR**
Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague
Synthesis of Bispyridohelicenes
- 12:20 - 13:00 **PL 10** **Cornelia MEINERT**
Institut de Chimie de Nice, CNRS, Université Côte d'Azur
Photochemical Synthesis, Chirality and Detection of the Building Blocks of Life
- 13:00 - 14:20 **Lunch**

AFTERNOON SESSION

Chairperson **Pavína ŘEZÁČOVÁ**
Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague

- 14:20 - 15:00 **PL 11** **Fabien DUROLA**
Centre de Recherche Paul Pascal, CNRS, Université de Bordeaux
Six Years of Glyoxylic Perkin Strategy: From Short Ribbons to Möbius Rings
- 15:00 - 15:20 **OC 12** **Emanuela JAHN**
Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague
Elucidation of the Mechanism of Oxidative Enolate Dimerization
- 15:20 - 15:40 **OC 13** **Josef HAMÁČEK**
Centre de Biophysique Moléculaire (CBM), CNRS, Université d'Orléans
Chiral Bambusuril Macrocycles as New Reagents for Tuning Coordination Complexes
- 15:40 - 16:00 **OC 14** **Thomas EVANGELIDIS**
Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague
& Central European Institute of Technology (CEITEC), Brno
Protein-Ligand Binding Affinity Prediction via Artificial Intelligence and Quantum Chemistry
- 16:00 - 16:20 **Coffee Break**
- 16:20 - 16:50 **IL 1** **Petr ŠTĚPNIČKA**
Department of Inorganic Chemistry, Faculty of Science, Charles University, Prague
Reactivity, Coordination Chemistry and Catalytic Behaviour in a Pair of Isomeric Phosphinoferrrocene Cyanide and Isocyanide
- 16:50 - 17:10 **OC 15** **Lenka PALLOVÁ**
Laboratoire de Chimie de Coordination du CNRS (LCC-CNRS), Université de Toulouse
Helicenic NHCs Based on an Imidazo[1,5- α]pyridin-3-ylidene Core: Synthesis and Coordination Chemistry
- 17:10 - 17:30 **OC 16** **Pratibha MAGAR**
Institute of Organic Chemistry and Technology, Faculty of Chemical Technology, University of Pardubice
Development of New Salicylamide Derivates with Significant Cytotoxicity
- 17:30 - 17:50 **OC 17** **Václav CHMELA**
Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague
Novel Approach to Quinazolinone Alkaloids and Total Synthesis of Ardeemin
- 17:50 - 18:30 **PL 12** **Petr SLAVÍČEK**
Department of Physical Chemistry, University of Chemistry and Technology, Prague
What Have the (Tunable) X-Rays ever Done for us?
- 18:30 - 18:40 **Closing of the Meeting**
Irena G. STARÁ, Chairperson of the Organising Committee of the Meeting
Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague
- 20:00 - 22:00 **Meeting Dinner: Ship cruise on the Vltava River**
(Piers at Dvořákovo nábřeží, Prague 1 - Na Františku)