

VLTAVA 2017
8th French-Czech Chemistry Meeting
4-5 September 2017, Prague

PROGRAMME

SUNDAY, 3 September 2017

18:30 - 19:30 **Registration (Villa Lanna)**

19:30 - 22:00 **Welcome Party (Villa Lanna)**

MONDAY, 4 September 2017

8:30 - 9:00 **Registration (IOCB CAS Prague)**

9:00 - 9:10 **Opening of the Meeting**
Irena G. STARÁ, Chairperson of the Organising Committee of the Meeting
Institute of Organic Chemistry and Biochemistry CAS, Prague

MORNING SESSION

Chairperson **Jean-Claude CHAMBRON**
Institut de Chimie Moléculaire de l'Université de Bourgogne, CNRS,
Université de Bourgogne Franche-Comté, Dijon

9:10 - 9:50 **PL 1** **Jeanne CRASSOUS**
Institut des Sciences Chimiques, University of Rennes 1
Chiral Multifunctional Molecules Based on Helicenes

9:50 - 10:10 **OC 1** **Aleš RŮŽIČKA**
Department of General and Inorganic Chemistry, Faculty of Chemical Technology,
University of Pardubice
Aluminum Complexes Containing Amidinate/Guanidinate(1- or 2-) Ligands

10:10 - 10:50 **PL 2** **František ŠTĚPÁNEK**
Department of Chemical Engineering, University of Chemistry and Technology, Prague
Chemical Robots for Remotely Controlled Drug Synthesis and Delivery

10:50 - 11:20 **Coffee Break**

Chairperson **Ctibor MAZAL**
Department of Chemistry, Masaryk University, Brno

11:20 - 12:00 **PL 3** **Remi CHAUVIN**
Laboratoire de Chimie de Coordination du CNRS, University of Toulouse, Toulouse 3 - Paul Sabatier
Assembling *carbo* -Benzene Rings: Supramolecular Association, Fusion, Catenation

12:00 - 12:20 **OC 2** **Emanuela JAHN**
Institute of Organic Chemistry and Biochemistry CAS, Prague
Mechanism of Oxidative Enolate Dimerizations Elucidated through Computational and Experimental Investigations

12:20 - 13:00 **PL 4** **Milan POUR**
Department of Inorganic and Organic Chemistry, Charles University,
School of Pharmacy in Hradec Králové
Specifically Substituted Heterocycles via Pd and Au Catalysis

13:00 - 14:20 **Lunch**

AFTERNOON SESSION

Chairperson Tomáš KRAUS
Institute of Organic Chemistry and Biochemistry CAS, Prague

- 14:20 - 15:00 **PL 5** **Guillaume STIRNEMANN**
CNRS Laboratoire de Biochimie Théorique, Institut de Biologie Physico-Chimique, Paris
Stretching or Heating Proteins: Unravelling the Molecular Details of Protein Resistance to External Perturbations
- 15:00 - 15:20 **OC 3** **Isabel GAY SANCHEZ**
Institute of Organic Chemistry and Biochemistry CAS, Prague
Synthesis and Application of Helicene-Based *N*-Heterocyclic Carbene Ligands
- 15:20 - 15:40 **OC 4** **Martin KAMLAR**
Department of Organic Chemistry, Charles University, Prague
Asymmetric Allylic Alkylation of Silylated *tert* Butylhydroxycarbamate Derivatives Using MBH Carbonates
- 15:40 - 16:10 **Coffee Break**
- Chairperson** Ivo STARÝ
Institute of Organic Chemistry and Biochemistry CAS, Prague
- 16:10 - 16:50 **PL 6** **Petr KLÁN**
RECETOX & Department of Chemistry, Masaryk University, Brno
Transition-Metal-Free Releasing Compounds Activatable by Visible to NIR Light
- 16:50 - 17:10 **OC 5** **Elise DUBOUÉ-DIJON**
Institute of Organic Chemistry and Biochemistry CAS, Prague
Getting Ion-Protein Interactions Right in Molecular Dynamics Simulations
- 17:10 - 17:30 **OC 6** **Hubert CHAPUIS**
Laboratoire d'Études et de Recherche sur le Matériau Bois, Faculté des Sciences et Technologies, Université de Lorraine, Vandoeuvre-les-Nancy
Water-Repellent Tannin Foams by Grafting of Hydrophobic Tails
- 17:30 - 18:30 **PS** **Poster Session**
- 19:30 - 22:00 **Meeting Dinner (Na Rozhraní restaurant)**

TUESDAY, 5 September 2017

MORNING SESSION

Chairperson Michel MEYER

Institut de Chimie Moléculaire de l'Université de Bourgogne, CNRS,
Université de Bourgogne Franche-Comté, Dijon

9:00 - 9:40

PL 7 Cyril BRESSY

Institut des Sciences Moléculaires de Marseille, Aix Marseille Université
New Strategies and New Synthetic Challenges in Organocatalysis

9:40 - 10:00

OC 7 Václav HOUSKA

Institute of Organic Chemistry and Biochemistry CAS, Prague
Searching for a Path Towards Helicene-Based Macrocycles

10:00 - 10:40

PL 8 Michael Janus BOJDYS

Department of Organic Chemistry, Charles University, Prague
& Institute of Organic Chemistry and Biochemistry CAS, Prague
Materials "Beyond Graphene" and Mixed-Dimensional van der Waals Heterostructures

10:40 - 11:10

Coffee Break

Chairperson Emanuela JAHN

Institute of Organic Chemistry and Biochemistry CAS, Prague

11:10 - 11:50

PL 9 Vincent GANDON

Institut de Chimie Moléculaire et des Matériaux d'Orsay, Université Paris-Sud
& Institut de Chimie des Substances Naturelles, Université Paris-Saclay
Directing Effects in Metal-Catalyzed Cyclizations

11:50 - 12:10

OC 8 Lucie JAŠÍKOVÁ

Department of Organic Chemistry, Charles University, Prague
Gold Catalysis: Mechanistic Study of Hydration of Alkynes

12:10 - 12:50

PL 10 Jan HLAVÁČ

Institute of Molecular and Translational Medicine, Faculty of Medicine and Dentistry,
Palacký University, Olomouc
**Not Only Synthetic Troubles on the Way Toward New Therapeutics and Molecular
Diagnostics**

12:50 - 14:20

Lunch

AFTERNOON SESSION

Chairperson Milan POUR

Department of Inorganic and Organic Chemistry, Charles University,
School of Pharmacy in Hradec Králové

14:20 - 15:00

PL 11 Petr BEIER

Institute of Organic Chemistry and Biochemistry CAS, Prague
Fluoroalkylation Reagents for Synthesis and Cysteine-Selective Protein Labelling

15:00 - 15:20

OC 9 Jian YANG

CNRS, Centrale Marseille, Aix Marseille Université
Make the Impossible Possible: Enhanced Catalytic Activity by Confining the Verkade's Superbase into a Hemicyptophane for the Morita-Baylis-Hillman (MBH) Reaction

15:20 - 15:40

OC 10 Ctibor MAZAL

Department of Chemistry, Masaryk University, Brno
Shape Persistent Macrocycles with 3,6-Phenanthrylene Derived Building Blocks

15:40 - 16:10

Coffee Break

Chairperson Aleš RŮŽIČKA

Department of General and Inorganic Chemistry, Faculty of Chemical Technology,
University of Pardubice

16:10 - 16:30

OC 11 Tomáš KRAUS

Institute of Organic Chemistry and Biochemistry CAS, Prague
Synthetic Transporters of Modified Nucleoside Triphosphates Across Cell Membranes

16:30 - 16:50

OC 12 Anna PITTERMANNOVÁ

Department of Chemical Engineering, University of Chemistry and Technology, Prague
& École Supérieure de Physique et de Chimie Industrielles de la Ville de Paris
Microfluidic Fabrication of Compartmentalized Hydrogel Microparticles in the Size Range of Blood Cells

16:50 - 17:10

OC 13 Petr MATOUŠ

Department of Inorganic and Organic Chemistry, Charles University,
School of Pharmacy in Hradec Králové
Gold(I)-Catalyzed Chemoselective Cyclization of β -Propargylamino Acrylic Esters

17:10 - 17:50

PL 12 Stéphane BELLEMIN-LAPONNAZ

Institut de Physique et Chimie des Matériaux de Strasbourg, Université de Strasbourg
Dynamic Supramolecular Metallopolymers: Synthesis and Applications

17:50 - 18:00

Closing of the Meeting

Irena G. STARÁ, Chairperson of the Organising Committee of the Meeting
Institute of Organic Chemistry and Biochemistry CAS, Prague

19:30 - 22:00

Dinner (Klášteří šenk restaurant)