

52nd Advances in Organic, Bioorganic and Pharmaceutical Chemistry
"Liblice 2017"
3-5 November 2017, Lázně Bělohrad, Tree of Life Hotel

Friday 3 November

11:00 - 14:00		Registration
12:00 - 14:00		Lunch
14:00 - 14:15		Opening of the Conference Petr Beier Chairman of the Organising Committee of the Conference Institute of Organic Chemistry and Biochemistry CAS, Prague
	Chairperson	Radek Cibulka University of Chemistry and Technology, Prague
14:15 - 15:00	PL 1	Plenary Lecture Thorsten Bach Technical University of Munich, Germany Chirality and Light: Enantioselective Catalysis of Photochemical Reactions
15:00 - 15:15	OC 1	Oral Communication Eliška Matoušová Charles University, Prague Enantioselective Synthesis of All-Carbon Quaternary Centres with Structural Resemblance to Amaryllidaceae Alkaloids
15:15 - 15:30	OC 2	Oral Communication Tomáš Slanina Goethe-University Frankfurt, Germany & RECETOX, Masaryk University, Brno In Search of the Perfect Photocage: How Far Can We Get?
15:30 - 16:00		Coffee Break
	Chairperson	Jan Veselý Charles University, Prague
16:00 - 17:00	PL 2	Plenary Lecture Presentation of the Alfred Bader Award for Organic Chemistry 2017 (CAB I): Jan Hlaváč , Alfred Bader Award Committee Award Lecture: Ondřej Jurček CEITEC & Masaryk University, Brno Chemistry of Terpenoids
17:00 - 18:00	PL 3	Plenary Lecture Presentation of the Alfred Bader Award for Bioorganic and Bioinorganic Chemistry 2017 (CAB II): Jan Hlaváč , Alfred Bader Award Committee Award Lecture: Pavel Štarha Palacký University in Olomouc Noble-Metal Complexes as Anticancer Agents
18:00 - 20:00		Dinner
18:40 - 22:00		Excursion (Josefov Fortress)

Saturday 4 November

7:30 - 9:00		Breakfast
	Chairperson	Ullrich Jahn Institute of Organic Chemistry and Biochemistry CAS, Prague
9:00 - 9:30	IL 1 Invited Lecture	Radovan Šebesta Comenius University in Bratislava, Slovakia Chiral Metal Enolates – Their Formation by Catalytic Conjugate Additions, and Their Reactions with Electrophiles
9:30 - 9:45	OC 3 Oral Communication	Jindřich Nejedlý Institute of Organic Chemistry and Biochemistry CAS, Prague The MCBJ Measurement of (<i>M,R,R</i>)-Diaza[9]helicene Conductance
9:45 - 10:00	OC 4 Oral Communication	Eva Bednářová Charles University, Prague Synthesis of New Chiral 2,2'-Bipyridines and Their Application as Ligands in Metal-Catalyzed Asymmetric Reactions
10:00 - 10:15	OC 5 Oral Communication	Václav Chmela Institute of Organic Chemistry and Biochemistry CAS, Prague A Novel Approach to Quinazoline Alkaloids: A Four-Step Synthesis of Ardeemin and Its Analog
10:15 - 10:30	OC 6 Oral Communication	Pavel Kočovský Charles University, Prague Isoquinolones by Construction of the Pyridine Ring: A Critical Role of the Workup
10:30 - 11:00		Coffee Break
	Chairperson	Petr Štěpnička Charles University, Prague
11:00 - 11:45	IL 2 Invited Lecture	Presentation of the Experientia Foundation Fellowships 2017 Hana Dvořáková , Experientia Foundation Dalimil Dvořák , Experientia Foundation Irena G. Stará , Experientia Foundation, Board of Trustees Experientia Award Lecture: Petr Slavík University of Chemistry and Technology, Prague <i>meta</i>-Bridged Calix[4]arenes: Synthesis and Unique Reactivity
11:45 - 12:00	OC 7 Oral Communication	Emanuela Jahn Institute of Organic Chemistry and Biochemistry CAS, Prague Mechanism of Oxidative Enolate Dimerizations Elucidated through Computational and Experimental Investigations
12:00 - 14:00		Lunch

Saturday 4 November, contd.

Chairperson
Petr Klán
Masaryk University, Brno

14:00 - 15:00 **PL 4** **Plenary Lecture** **Presentation of The Rudolf Lukeš Award 2017:**
Thorsten Bach, International Committee of The Rudolf Lukeš Award
Jan Hlaváč, Division of Organic, Bioorganic and Pharmaceutical Chemistry
of the Czech Chemical Society
Award Lecture: Jana Roithová
Charles University, Prague
New Methods – New Insights

15:00 - 15:15 **OC 8** **Oral Communication** **Manfred Karras**
Institute of Organic Chemistry and Biochemistry CAS, Prague
The First Ru and Pd Catalysts Bearing Helically Chiral N-Heterocyclic Carbenes

15:15 - 15:30 **OC 9** **Oral Communication** **Petr Matouš**
Faculty of Pharmacy in Hradec Králové, Charles University, Prague
**Nucleophile-Assisted Gold(I)-Catalyzed Cyclizations Leading to Substituted
Piperidine Aminals**

15:30 - 16:00 **Coffee Break**

Chairperson
Radim Hrdina
Justus-Liebig University, Giessen, Germany

16:00 - 16:30 **IL 3** **Invited Lecture** **Jakub Švenda**
Masaryk University, Brno
**Accessing Structural Analogs of Complex Natural Products
by Chemical Synthesis**

16:30 - 16:45 **OC 10** **Oral Communication** **Ondřej Šimůnek**
University of Chemistry and Technology, Prague
**Synthesis and Application of PEPPSI Catalyst Analogues with Chiral Fluorous
NHC Ligands**

16:45 - 17:00 **OC 11** **Oral Communication** **Carlos Berenguer**
Institute of Organic Chemistry and Biochemistry CAS, Prague
**Synthesis of Azaindole Probes Suitable for Development of HTS Assay of
Influenza's RNA Polymerase Inhibitors**

17:00 - 19:00 **Poster Session**

19:00 - 21:00 **Dinner**

19:30 - 22:00 **Excursion (JungBerg Hořice Brewery)**

Sunday 5 November

7:30 - 9:00

Breakfast

Chairperson

Ctibor Mazal
Masaryk University, Brno

9:00 - 9:30

IL 4 Invited Lecture

Milan Vrábel
Institute of Organic Chemistry and Biochemistry CAS, Prague
Fluorogenic, Bioorthogonal Reactions of Heterodienes for Bioimaging Applications

9:30 - 9:45

OC 12 Oral Communication

Soňa Krajčovičová
Palacký University in Olomouc
Targeting Protein Kinase Inhibitors: A Straightforward Approach for the Synthesis of Folic Acid Conjugates with CDK Inhibitors

9:45 - 10:00

OC 13 Oral Communication

Zbyněk Brůža
Faculty of Pharmacy in Hradec Králové, Charles University, Prague
Intramolecular Tsuji-Trost Reaction: New Route to Highly Substituted Pyranones

10:00 - 10:15

OC 14 Oral Communication

Martin Porubský
Palacký University in Olomouc
Development of Novel OFF-ON BODIPY Fluorescent System for Visualization of Drug Release

10:15 - 10:30

OC 15 Oral Communication

Jan Veselý
Charles University, Prague
Enantioselective Transformations of MBH Derivatives with C- and N-Nucleophiles

10:30 - 11:00

Coffee Break

Chairperson

Milan Pour
Faculty of Pharmacy in Hradec Králové, Charles University, Prague

11:00 - 11:30

IL 5 Invited Lecture

Radim Hrdina
Justus-Liebig University, Giessen, Germany
C-H Functionalization of Bridged Cycloalkanes

11:30 - 11:45

OC 16 Oral Communication

Lukáš Opálka
Faculty of Pharmacy in Hradec Králové, Charles University, Prague
Synthesis of Modified Gangliosides GM1 and GM3

11:45 - 12:15

IL 6 Invited Lecture

Ullrich Jahn
Institute of Organic Chemistry and Biochemistry CAS, Prague
New Modular P-Chiral Phosphine Ligand Architectures and Their Application in Selected Gold-Catalyzed Cyclization Reactions

12:15 - 12:30

Presentation of the Prof. Otakar Červinka Awards for the Best Short Oral Communication and Poster:

Jan Hlaváč, Division of Organic, Bioorganic and Pharmaceutical Chemistry of the Czech Chemical Society

Closing of the Conference

Petr Beier, Chairman of the Organising Committee of the Conference

12:30 - 14:00

Lunch