

10<sup>th</sup>  
**Blue Danube Symposium**  
on  
**Heterocyclic Chemistry**



**September 3<sup>rd</sup> - 6<sup>th</sup>, 2003**

**Institute of Applied Synthetic Chemistry  
Vienna University of Technology**

**Austria**

<http://www.bdshc.org/>

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## Contents:

Welcome from the Congress Chairman	G-1
General Information	G-3
Social Program	G-9
Venue Maps	G-11
Time Schedule	G-14
Scientific Program	
Wednesday, 3 <sup>rd</sup>	G-15
Thursday, 4 <sup>th</sup>	G-16
Friday, 5 <sup>th</sup>	G-18
Saturday, 6 <sup>th</sup>	G-20
Abstracts	
Plenary Lectures (PL)	PL-1 to PL-7
Blue Danube Lectures (BDL)	BDL-1 to BDL-10
Industrial Blue Danube Lectures (IBDL)	IBDL-1 to IBDL-3
Oral Presentations (OP)	OP-1 to OP-14
Poster Presentations (PO)	PO-1 to PO-211
Author Index	APP-1
List of Participants	APP-9
Previous Symposium Locations	APP-37



## Welcome from the Chairman of the 10th BDSHC

Dear Colleagues,

It is a great honour and pleasure for me to welcome you cordially here in Vienna at the **10<sup>th</sup> BDSHC**.

This series of symposia has been initiated in 1991 by our Institute as a bilateral meeting together with the Organic Chemistry Institute of the Slovak Technical University in Bratislava to establish scientific contacts to the Eastern European countries after the removal of the iron curtain. The idea fell on fertile ground, more of the eastern neighbours joined and in the meantime the meeting is alternately organized by universities from Austria, Czech Republic, Hungary, Slovak Republic, and Slovenia.

Today the BDSHC is an important meeting place for some 300 - 400 researchers from East and West and offers the participants an occasion to get together with renowned international scientists as well as to attend outstanding plenary lectures. One of the most important missions from our Austrian point of view is, to provide an excellent scientific program as well as an affordable access for (above all young) scientists from reform countries – providing a very reasonable Blue Danube registration package.

We hope that you will, here in Vienna, both conceive novel ideas for your own research and make many new and lasting personal contacts.

So enjoy to the full your stay in Vienna, that city of unique charm, and once again a warm welcome to you all.



Fritz Sauter



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**INVITED SPEAKERS****Blue Danube Jubilee Plenary Lecturer**

K. Barry **Sharpless** (La Jolla, USA)

**Plenary Lecturers**

Mercedes **Álvarez** (Barcelona, Spain)

Thorsten **Bach** (Munich, Germany)

Martine **Bonin** (Paris, France)

Stephen **Hanessian** (Montreal, Canada)

Raymond C. F. **Jones** (Loughborough, United Kingdom)

Barry M. **Trost** (Stanford, USA)

**Blue Danube Lecturers**

Lubor **Fišera** (Bratislava, Slovak Republic)

Pavel **Hradil** (Olomouc, Czech Republic)

C. Oliver **Kappe** (Graz, Austria)

Janez **Košmrlj** (Ljubljana, Slovenia)

Peter **Kutschy** (Košice, Slovak Republic)

Antonin **Lycka** (Pardubice-Rybitví, Czech Republic)

Péter **Mátyus** (Budapest, Hungary)

Christian R. **Noe** (Vienna, Austria)

Gyula **Simig** (Budapest, Hungary)

Jurij **Svete** (Ljubljana, Slovenia)

**Blue Danube Industrial Lecturers**

Urs **Müller** (Syngenta, Basel, Switzerland)

Erwin **Schreiner** (Novartis Forschungsinstitut, Vienna, Austria)

Stephan **Zahn** (Boehringer Ingelheim, Vienna, Austria)

## ORGANIZING COMMITTEE

The conference is organized by the Institute of Applied Synthetic Chemistry at the Vienna University of Technology.

Congress Chairman: **Fritz Sauter**

Johannes Fröhlich  
C. Hametner

Peter Stanetty  
H. A. Krebs  
F. Untersteiner

Peter Gärtner  
M. D. Mihovilovic

## Scientific Advisory Committee

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- C.O. **Kappe** (University of Graz, Austria)
- C.R. **Noe** (University of Vienna, Austria)
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The organizers would like to thank the following companies for generously sponsoring this meeting:

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**ACKNOWLEDGEMENTS**

The organizers acknowledge the support given by the Vienna University of Technology, in particular by P. Skalicky (Rector) and E. Urban (Director).

## Congress Site

All lectures will take place in the lecture hall 1 (HS 1) at the Vienna University of Technology (cf. Campus Area Map, G-11)

Vienna University of Technology  
"Freihaus"  
Wiedner Hauptstrasse 8-10  
1060 Vienna

## Email and WWW-Facilities

Email and internet-facilities for the participants will be provided in a special designated room (cf. Venue Map, G-13) in the yellow area on the second floor during the congress.

Conference phone: +43 1 58801 ext. 16301

Conference fax: +43 1 58801 ext. 16399

Conference email: office@bdshc.org

## Registration Center and Information Desk

The registration and information desk will be located in the "red area" on the first floor of "Freihaus", Vienna University of Technology (cf. Venue Map, G-12), with the following business hours:

Wednesday, September 3rd,	12:00 to 19:00
Thursday, September 4th,	8:30 to 18:30
Friday, September 5th,	8:30 to 15:30
Saturday, September 6th,	8:30 to 14:00

**Scientific Secretariat**

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WWW: <http://www.ias.tuwien.ac.at/>

**Registration Office and Travel Agency**

AUSTROPA INTERCONVENTION  
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Fax: +43 1 58800 520  
Email: [Katharina.Steinbauer@interconvention.at](mailto:Katharina.Steinbauer@interconvention.at)  
WWW: <http://www.austropa-interconvention.at/>

### **Instructions for Speakers**

Speakers are requested to confirm their mode of presentation at the slide center and to hand in their slides or final version of their lecture on electronic media the day before their session.

The slide center (cf. Venue Map, G-12) will be located in the "red area" on the first floor of the "Freihaus", Vienna Univ. of Technology (cf. Campus Area Map, G-11) adjacent to the Registration center.

Opening hours:

Wednesday, September 3rd,	12:00 to 18:30
Thursday, September 4th,	8:30 to 18:30
Friday, September 5th,	8:30 to 15:30

### **Instructions for Poster Presentation**

The poster boards will be positioned on the corridors of the first and second floor. They will be numbered consecutively. Poster mounting should be completed on Thursday noon at latest. Authors are requested to be in front of their poster during the official poster session hours. Posters are on display until the last session on Saturday.

### **Transportation**

The best way to travel around in Vienna is by taking advantage of the very efficient public transportation system. A complimentary one week ticket is included in your conference package (valid until Monday 09:00).

### **Banking**

Banking hours are

Monday – Wednesday and Friday	08:00 – 12:30 and 13:30 – 15:00
Thursday	08:00 – 12:30 and 13:30 – 17:30

### **Lunch**

Your conference package includes complimentary coupons for lunch (Thursday, Friday, Saturday) and dinner (Thursday) in the University Restaurant (cf. Venue Map, G-12).

## **Social Program**

### **Welcome mixer**

All Congress participants and their accompanying persons are cordially invited to the reception on Wednesday evening, September 3, 2003, 19:00. This informal get-together will take place in the University Restaurant of the Vienna University of Technology, Freihaus (cf Venue Map, G-12).

### **Excursion**

Your conference package includes a voucher for the tour on Friday afternoon you have selected and for the subsequent "Heurigen" reception. Final details regarding all transfers will be provided on a leaflet handed out upon registration.

#### **Visit of Schönbrunn Palace**

The tour guides through Schönbrunn Palace, the summer residence of the Imperial family. In this baroque palace, which was reconstructed in the reign of Maria Theresia, you will visit the private apartments with the original furniture of Emperor Franz Josef and Empress Sisi. Enjoy the good old atmosphere at this very important building of Vienna.

or

#### **Visit of Vienna Zoo**

The tour guides through the Vienna Zoo, which was founded by Franz Stephan von Lothringen, the husband of Maria Theresia, in 1752. It was renovated recently and accommodates a big variety of animals, elephants, polar bears, tigers, monkeys, lions, cheetahs, seals, giraffes, penguins, and hippopotamus being the most visited ones. Enjoy to watch some of these animals in a very natural environment.

#### **"Heurigen" Reception**

Participants of both tours will experience a memorable evening in the typical Viennese "Heurigen" village "Grinzing". Enjoy a few hours in a warm atmosphere with music, wine and home cooked local speciality food (non-alcoholic beverages and diet food can be served as an alternative).

# Novartis Research Institute Vienna, Austria

## Part of a World Wide Drug Discovery Effort

The Novartis Research Institute in Vienna is part of the international drug discovery efforts of Novartis, the global pharmaceutical company with headquarters in Basle, Switzerland. As a “centre of excellence” for dermatology, the research focus of the Novartis Research Institute Vienna is on the discovery and early preclinical development of innovative drugs for the treatment of allergic and inflammatory skin diseases.



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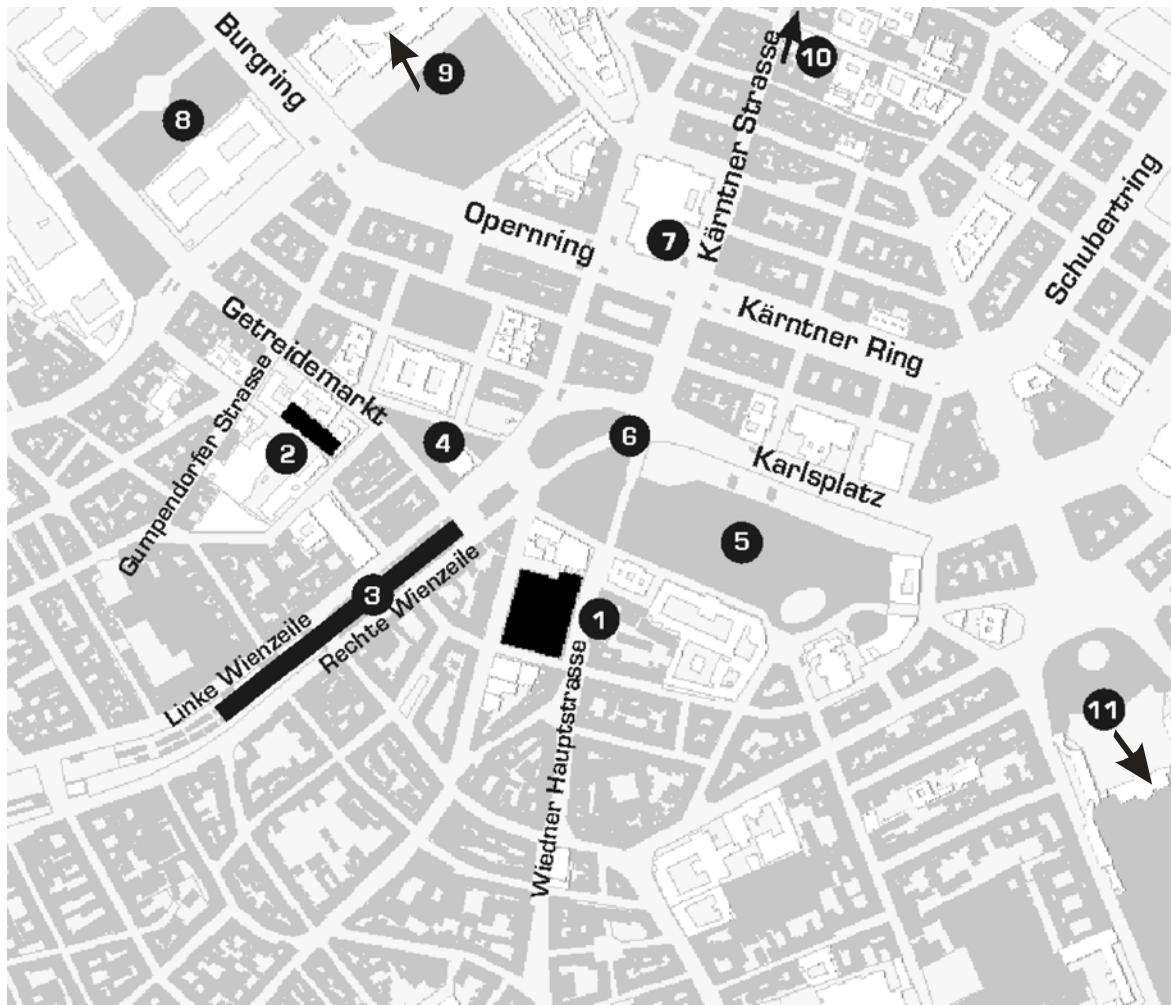


For further information please visit our website [www.novartis.at](http://www.novartis.at), or contact Novartis Forschungsinstitut GmbH, Brunnerstrasse 59, A-1235Wien, Tel.: 01-86634-0

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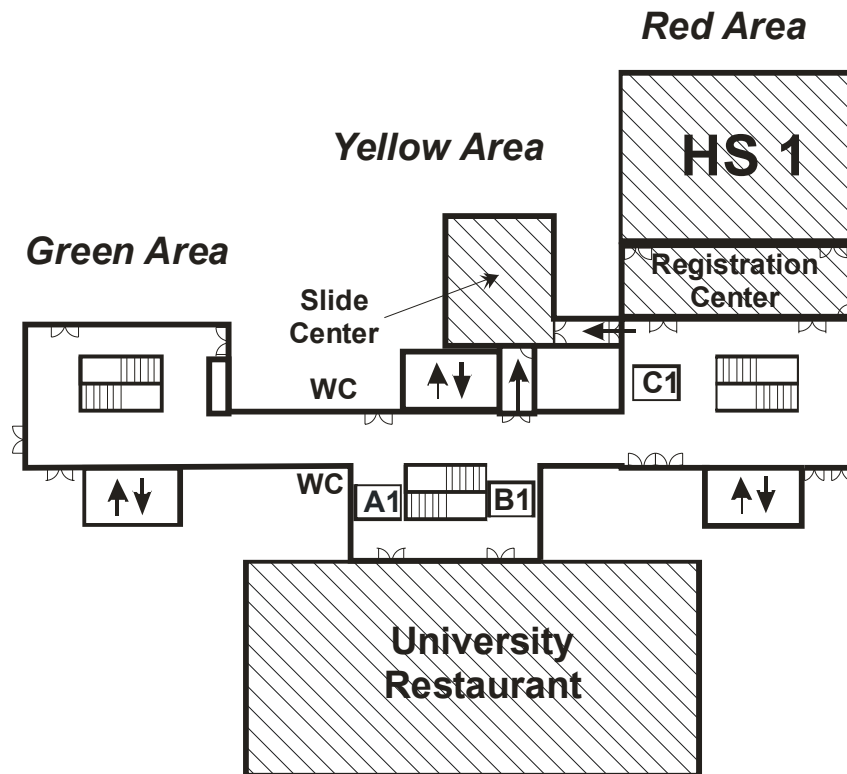
## Campus Area Map - Vienna University of Technology



- 1 Congress Venue (Wiedner Hauptstrasse 8-10)
- 2 Institute of Applied Synthetic Chemistry (Getreidemarkt 9)
- 3 "Naschmarkt"
- 4 Secession
- 5 Karlsplatz
- 6 Underground Station Karlsplatz
- 7 Opera
- 8 Museum of Natural History and Museum of Art History
- 9 "Hofburg"
- 10 Stephansdom
- 11 Palais Schwarzenberg





"Freihaus" - First Floor

# Freihaus - First Floor



## Company Exhibition Booths:

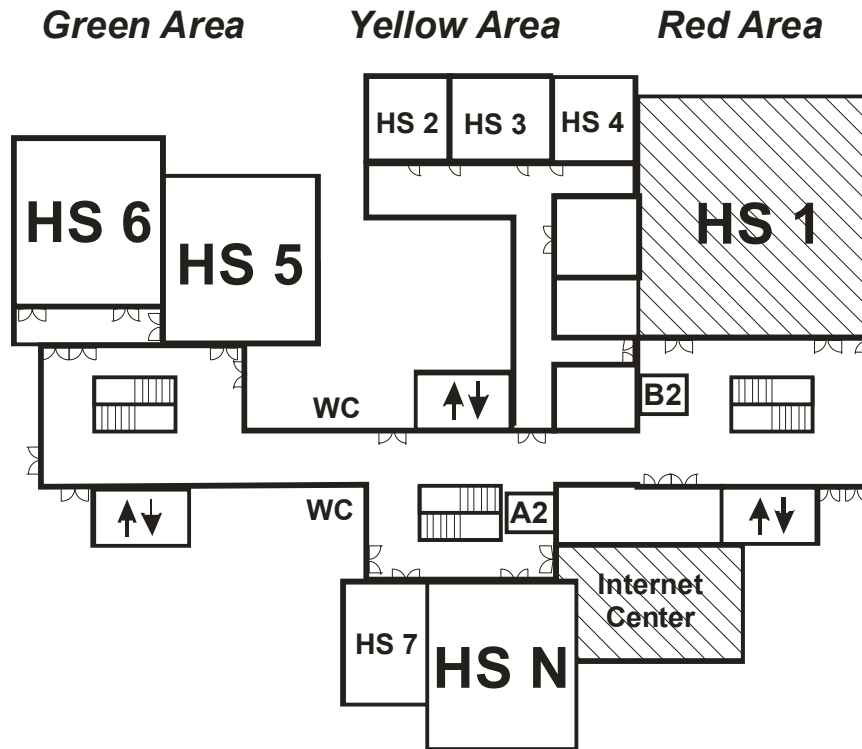
- A1: KNF Neuberger
- B1: Sigma Aldrich Austria
- C1: Thieme Verlag

-  Stairs
-  Elevators
-  Lecture Hall
-  Exhibitor Booth



"Freihaus" - Second Floor

# Freihaus - Second Floor



## Company Exhibition Booths:

A2: CEM

B2: Personal Chemistry



Stairs



Elevators



Lecture Hall



Exhibitor Booth

# Time Schedule

	Wednesday	Thursday	Friday	Saturday
09:00				PL-6
10:00		PL-3	PL-5	BDL-9
		BDL-2	BDL-6	BDL-10
		OP-1	OP-9	Coffee Break
		OP-2	OP-10	
11:00		Coffee Break	Coffee Break	
		BDL-3	BDL-7	PL-7
		OP-3	OP-11	IBDL-3
		OP-4	OP-12	OP-13
12:00		Lunch	Lunch	OP-14
		Poster Session	Poster Session	Closing Ceremony
13:00				Lunch
14:00	Registration	PL-4	IBDL-2	
		BDL-4	BDL-8	
		OP-5		
		OP-6		
15:00		Coffee Break		
	Opening Ceremony	IBDL-1		
16:00		BDL-5		
	PL-1	OP-7		
	Coffee Break	OP-8		
17:00		Poster Session	Excursion	
	PL-2			
	BDL-1			
18:00	Reception	Dinner	"Heuriger"	
19:00				

# SCIENTIFIC PROGRAM



**Scientific Program**

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**Wednesday, September 3<sup>rd</sup>**

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Chair: J. Fröhlich

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16:30 to 17:15	<b>PL-1</b>	<b>Barry M. Trost</b> Crafting Chiral Space for Molecular Recognition in a Catalytic Synthetic Reaction
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Chair: P. Stanetty

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17:45 to 18:30	<b>PL-2</b>	<b>Thorsten Bach</b> Synthesis of Heterocyclic Natural Products
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18:30 to 19:00	<b>BDL-1</b>	<b>C. Oliver Kappe</b> Microwave-Assisted Protocols for the Generation of Privileged Heterocyclic Scaffolds
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**Thursday, September 4<sup>th</sup>**

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Chair: B. Stanovnik / P. Gärtner

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09:00 **PL-3** Stephen **Hanessian**  
to  
09:45 From Amino Acids to Functional Heterocycles

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09:45 **BDL-2** Jurij **Svete**  
to  
10:15 Ex-Chiral Pool Derived Enaminones in the Synthesis of  
Functionalised Heterocycles

---

10:15 **OP-1** Dietrich **Döpp**  
to  
10:30 Novel Efficient Phototransformations of  
1,2-Benzisothiazole-1,1-dioxides

---

10:30 **OP-2** Milan **Potáček**  
to  
10:45 Fused Nitrogen Heterocyclic Compounds via  
Allenylazines

---

Chair: J. Cavaleiro / Ch. Hametner

---

11:15 **BDL-3** Antonín **Lycka**  
to  
11:45 Rearrangement of some Nitrogen Containing  
Heterocycles Studied by <sup>1</sup>H-<sup>15</sup>N NMR Spectroscopy

---

11:45 **OP-3** Tamás **Patonay**  
to  
12:00 Enantioselective  $\alpha$ -Oxyfunctionalization of  
Benzoheterocyclanones

---

12:00 **OP-4** Franca M. **Cordero**  
to  
12:15 A Novel and Rapid Approach to Azetidin-2-one  
Derivatives

---

13:00 **Poster Session**  
to  
14:00

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Chair: F. Sauter / H. van der Plas

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14:00 **PL-4** K. Barry **Sharpless**  
to  
14:45 Stitching with Nitrogen

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14:45 **BDL-4** Lubor **Fišera**  
to  
15:15 Stereoselective 1,3-Dipolar Cycloadditions of Chiral Nitrones

---

15:15 **OP-5** Dominic **De Souza**  
to  
15:30 Catalysis Based Total Synthesis of Latrunculin B

---

15:30 **OP-6** Anna **Kolasa**  
to  
15:45 Synthesis, Stereochemistry, and Chemistry of Indeno[1,2-b]pyridine-2,5-dione System

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Chair: R. Neier / N. Haider

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16:15 **IBDL-1** Erwin P. **Schreiner**  
to  
16:45 "Cut & Paste Chemistry" for the Diversification of the Cyclopeptidic Natural Product HUN-7293

---

16:45 **BDL-5** Péter **Mátyus**  
to  
17:15 New Routes to Diazino-Fused Ring Systems

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17:15 **OP-7** Stephen **McNabb**  
to  
17:30 Heterocyclic Carbon Radical Additions for the Synthesis of  $\alpha$ -Amino Acids

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17:30 **OP-8** Oldrich **Paleta**  
to  
17:45 New Cyclization Reaction affording Dinitrogen Heterocycles:  
Extension and Diastereoselectivity

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17:45 **Poster Session**  
to  
19:00

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**Friday, September 5<sup>th</sup>**

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Chair: M. Tišler / Th. Kappe

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09:00 **PL-5** Mercedes **Álvarez**  
to  
09:45 Synthesis of Polyheterocyclic Nitrogen-Containing  
Marine Natural Products

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09:45 **BDL-6** Pavel **Hradil**  
to  
10:15 Substitued 3-Hydroxyquinolin-4(1H)-ones - their  
Synthesis and Biological Activity

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10:15 **OP-9** Zsuzsanna **Sánta**  
to  
10:30 Stereoselective Synthesis of Enantiomerically Pure  
2-Iso-oxacephems

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10:30 **OP-10** Bert **Maes**  
to  
10:45 A three Step Synthesis of the Benzocarboline  
Isocryptolepine via two Consecutive Pd-Catalyzed  
Reactions

Chair: C. Szantay / H. Hönig

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11:15 **BDL-7** Gyula **Simig**  
to  
11:45 New Routes to Oxindole Derivatives

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11:45 **OP-11** Andreas **Schmidt**  
to  
12:00 Heterocyclic Mesomeric Betaines in Nature.  
On Structural Analogs of Alkaloids from *Nigella sativa*  
and *Punica granatum*

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12:00 **OP-12** Amélie **Arboré**  
to  
12:15 Stereocontrolled Access to Glycosides Analogues via  
Hetero-Diels-Alder Reaction

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13:00 **Poster Session**  
to  
14:00

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Chair: U. Jordis

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14:00 **IBDL-2** Urs **Müller**  
to  
14:30 Chemical Crop Protection -  
In Search of Novel Fungicides

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14:30 **BDL-8** Janez **Košmrlj**  
to  
15:00  $\alpha$ -Epimerizable Non-Racemic Ketones and Aldehydes  
can be easily accessed by Crystallization-Induced  
Dynamic Resolution of Imines

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**Saturday, September 6<sup>th</sup>**

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Chair: G. Hajós / W. Holzer

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09:00 **PL-6** Martine **Bonin**  
to  
09:45 Total Enantioselective Synthesis and in vivo Biological  
Evaluation of a Fluorescent  
BODIPY  $\alpha$ -Galactosylceramide

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09:45 **BDL-9** Peter **Kutschy**  
to  
10:15 Application of Brassinin and its Analogs in the  
Synthesis of Indole Phytoalexins

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10:15 **BDL-10** Christian R. **Noe**  
to  
10:45 On Dieter Binder, Lornoxicam and the Treatment of  
Pain

---

Chair: T. Gracza / M. D. Mihovilovic

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11:15 **PL-7** Raymond C.F. **Jones**  
to  
12:00 Cyclic Amidines and Siderophores, Dipoles and the  
Nicholas Reaction

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12:00 **IBDL-3** Stephan **Zahn**  
to  
12:30 Modern Drug Discovery in Oncological Research

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12:30 **OP-13** Renata **Riva**  
to  
12:45 Synthesis of N-Acylated-2,5-disubstituted Pyrrolidines  
through a Multi Component Approach

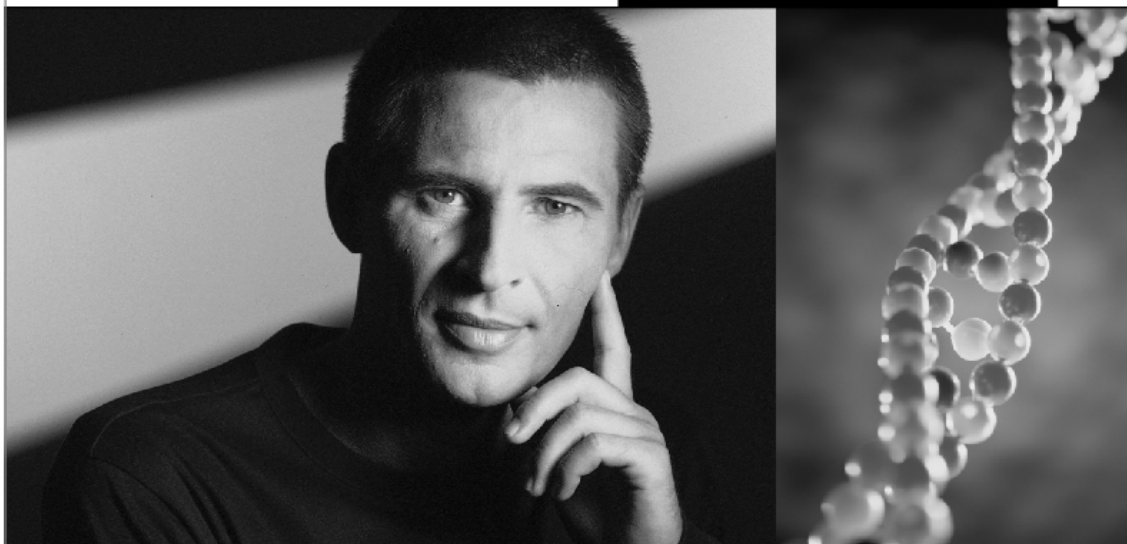
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12:45 **OP-14** Erik **Van der Eycken**  
to  
13:00 Microwave-promoted Hetero-Diels-Alder Reactions of  
2(1H)-Pyrazinones in Ionic Liquid Doped Solvents and  
on Solid Support.

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