

## Confirmed Speakers

### Opening Lecturer

#### Opening Lecture - PL01 - How Natural Products Can Inspire Chemical Biology and Drug Discovery



Prof. Herbert WALDMANN  
(MAX PLANCK INSTITUTE OF MOLECULAR PHYSIOLOGY, Dortmund, Germany)

### Plenary Lecturers

#### PL06 - Making Molecular Prosthetics with a Small Molecule Synthesizer



Prof. Martin D. BURKE  
(UNIVERSITY OF ILLINOIS, Urbana, United States)

#### PL02 - Organocatalytic Asymmetric Synthesis of Heterocycles



Prof. Dieter ENDERS  
(RWTH AACHEN, Aachen, Germany)

#### PL07 - Organocatalysis for Diversity-Oriented Synthesis



Prof. Karl Anker JOERGENSEN  
(AARHUS UNIVERSITY, Aarhus, Denmark)

#### PL04 - Carbo- and Heterocycles via Metal-Catalyzed Cycloadditions



Dr Fernando LOPEZ  
(UNIVERSITY OF SANTIAGO DE COMPOSTELA (USC) AND SPANISH NATIONAL RESEARCH COUNCIL (CSIC), Santiago de Compostela, Spain)

#### PL03 - Catalytic Approaches from the Synthesis of Enantiopure Biologically Relevant Heterocycles



Prof. Floris RUTJES  
(Radboud University Nijmegen, Nijmegen, The Netherlands)

#### PL05 - Springer Junior Heterocyclic Chemistry Award Lecture (chaired by Bert Maes, editor of Springer) Exploiting the Reactivity of Strained Rings and Hypervalent Bonds for the Synthesis of Heterocycles



Prof. Jerome WASER  
(LABORATORY OF CATALYSIS AND ORGANIC SYNTHESIS, EPFL, Lausanne, Switzerland)

### Invited Lecturers

#### IL10 - C-H Functionalization for the Synthesis and Assembly of Heterocycles

## Confirmed Speakers



Prof. Lutz ACKERMANN  
(GEORG-AUGUST UNIVERSITY GOETTINGEN, Goettingen, Germany)

### **IL03 - Stereoselective Heterocycle Synthesis Coupling Multicomponent Reactions with Biocatalysis or Organocatalysis**



Prof. Luca BANFI  
(UNIVERSITY OF GENOA, Genova, Italy)

### **IL04 - Metal Free Click Reactions For Glycoconjugate Modification**



Prof. Geert-Jan BOONS  
(THE UNIVERSITY OF GEORGIA, Athens, GA, United States)

### **IL13 - Metallation–Substitution of Saturated Nitrogen Heterocycles**



Prof. Iain COLDHAM  
(UNIVERSITY OF SHEFFIELD, Sheffield, United Kingdom)

### **IL06 - Ynamides: Remarkable Building Blocks for Heterocyclic Synthesis**



Prof. Gwilherm EVANO  
(ULB, Brussels, Belgium)

### **IL07 - Photoactive Molecular and Supramolecular Materials Built-up with Heterocycles**



Prof. Gianluca M. FARINOLA  
(UNIVERSITY OF BARI, Bari, Italy)

### **IL08 - Redesigning the Molecules of Nature: Lessons Learned from Total Synthesis**



Prof. Karl GADEMANN  
(UNIVERSITY OF ZURICH, Zurich, Switzerland)

### **IL09 - Copper Catalysis for Synthesis of Enantiopure Alcohols, Amines and Heteroarenes**



Prof. Syuzanna HARUTYUNYAN  
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

### **IL02 - The Development of Ligand Systems for Separating Minor Actinides from Lanthanides for Nuclear Fuel Reprocessing**



Prof. Laurence HARWOOD  
(UNIVERSITY OF READING, Reading, United Kingdom)

## Confirmed Speakers

### IL12 - Complex Natural Product as a Driving Force for Discovery in Organic Synthesis and Chemical Biology



Prof. Xiaoguang LEI  
(PEKING UNIVERSITY, Beijing, China)

### IL11 - Catalysis: A Versatile Tool for the Synthesis of Nitrogen-Containing Heterocycles



Dr Geraldine MASSON  
(INSTITUT DE CHIMIE DES SUBSTANCES NATURELLES CNRS, Gif-sur-Yvette, France)

### IL05 - Target Family-Centric Privileged Structures: a Rich Playground for Diverse Heterocyclic Chemotypes



Dr Gerhard MÜLLER  
(MERCACHEM, Nijmegen, The Netherlands)

### IL14 - $\alpha$ -Perluoroalkylated Cyclic Imines as a Valuable Building Blocks



Prof. Dr Valentine G. NENAJDENKO  
(MOSCOW STATE UNIVERSITY, Moscow, Russia)

### IL15 - New Strategies for the Synthesis of Heterocyclic through Multicomponent Reactions and Metal-Catalyzed Isomerization



Prof. Thomas NIELSEN  
(NOVO NORDISK, Copenhagen N, Denmark)

### IL01 - Fluorinated Imaging Materials



Prof. Tobias RITTER  
(MAX-PLANCK-INSTITUT FÜR KOHLENFORSCHUNG, Mulheim, Germany)

## Keynote Lecture

### KL07 - Gamma-Alkylidenebutenolides and Gamma-Hydroxybutyrolactams: Preparation and Reactivity



Dr Laurent COMMEIRAS  
(AIX-MARSEILLE UNIVERSITY, Marseille cedex 20, France)

### KL06 - New Multicomponent Reactions and Strategies to Heterocyclic and Macrocyclic Peptides



Dr Daniel GARCÍA RIVERA  
(LEIBNIZ INSTITUTE OF PLANT BIOCHEMISTRY / UNIVERSITY OF HAVANA, La Habana, Cuba)

### KL02 - First-in-Class MCRs Coupled with Cascade Reactions for the Generation of Molecular Complexity

## Confirmed Speakers



Prof. Christopher HULME  
(UNIVERSITY OF ARIZONA, Tucson, United States)

### KL05 - Synthesis of New Spiroacetals by Sustainable Gold Catalysis



Prof. Norbert KRAUSE  
(DORTMUND UNIVERSITY OF TECHNOLOGY, Dortmund, Germany)

### KL03 - Biomimetic Natural Product Synthesis



Dr Andrew LAWRENCE  
(UNIVERSITY OF EDINBURGH, Edinburgh, United Kingdom)

### KL08 - Functionalization of Heterocycles via C–H Activation and Photoredox Catalysis in Batch and Continuous Flow



Dr Timothy NOEL  
(EINDHOVEN UNIVERSITY OF TECHNOLOGY, Eindhoven, The Netherlands)

### KL01 - Alpha-Functionalization of Amines as a Tool for the Synthesis of Heterocycles and Natural Products



Prof. Till OPATZ  
(JOHANNES GUTENBERG-UNIVERSITY, Mainz, Germany)

### KL09 - Going Beyond $\beta$ -Amino Acid Derivatives as Inhibitors of Cathepsin A



Dr Sven RUF  
(SANOFI-AVENTIS DEUTSCHLAND GMBH, Frankfurt am Main, Germany)

### KL04 - New Tricks for Old Heterocycles: from Natural Product Synthesis to Click-Like Functionalizations



Prof. Johan WINNE  
(UNIVERSITEIT GENT, Ghent, Belgium)

## Oral Communication

### OC08 - Combining Photochemistry and Catalysis: Rapid Access to SP3 - Rich Polyheterocycles from Simple Pyrroles



Ms Emma BLACKHAM  
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

### OC09 - Intramolecular Tsuji-Trost Cascade Cyclization as a Novel Synthetic Strategy Towards Muironolide A

## Confirmed Speakers



Mr John BRAUN  
(VRIJE UNIVERSITEIT AMSTERDAM, Amsterdam, The Netherlands)

### **OC20 - Enantioselective Organocatalyzed $\alpha$ -Sulfanylation of Isoxazolidin-5-ones: An Approach To $\alpha,\alpha$ -Amino Acids**

Mr Timothée CADART  
(LABORATOIRE COBRA UMR 6014, ROUEN, France)

### **OC13 - The Allylic Azide Rearrangement in Tandem with Huisgen Cycloaddition: Synthesis of Diverse Polyhydroxylated Nitrogen Containing Scaffolds**



Ms Rekha CHADDA  
(SCHOOL OF CHEMISTRY, NUI GALWAY, Galway, Ireland)

### **OC17 - Brønsted-Acid Catalysed C2-Alkenylation of Aromatic Nitrogen Heterocycles**



Mr Giacomo CRISENZA  
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

### **OC40 - A Lab-Scale Reactor for the Continuous Generation of Anhydrous Diazomethane**



Dr Doris DALLINGER  
(UNIVERSITY OF GRAZ, Graz, Austria)

### **OC05 - Synthesis of Highly and Diversely Substituted Heterocycles from Alk-3-yn-1-ones (Propargyl Ketones)**



Prof. Roman DEMBINSKI  
(OAKLAND UNIVERSITY, Rochester, MI, United States)

### **OC14 - Synthesis and Potential Cytotoxic Activity of New Substituted Indazole Derivatives Bearing Pyrrole and 2-Pyrone**



Mr Mohamed EL GHOZLANI  
(UNIVERSITY SULTAN MY SLIMAN, Béni Mellal, Morocco)

### **OC36 - N-Heterocyclic Carbene Ligands in Iridium Complexes for the Detection of Pyridine Analogues in NMR by Non-Hydrogenative Para-Hydrogen Induced Hyperpolarization**



Dr Martin FEITERS  
(Radboud University, Nijmegen, The Netherlands)

### **OC31 - Picolinic Acid Ligand-Promoted Palladium-Catalyzed C-H Acetoxylation of Simple Arenes**



Dr M. Angeles FERNANDEZ-IBANEZ  
(UNIVERSITY OF AMSTERDAM, Amsterdam, The Netherlands)

## Confirmed Speakers

### OC38 - Direct Heteroatom Incorporating Ester to Arene Transformation: Modular Synthesis of Fluorescent Dyes



Mr Christian FISCHER  
(UNIVERSITY OF BASEL, Basel, Switzerland)

### OC02 - Efficient Approach to the Synthesis of 2,3-Substituted Furo[2,3-b]Pyridines



Mr Fernando FUMAGALLI  
(UNIVERSITY OF SAO PAULO, Ribeirao Preto, Brazil)

### OC33 - Scope and Limitations of the Organocatalyzed Domino Vinylogous Aldol Oxa Michael Reaction



Ms Larissa GEIGER  
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

### OC07 - Synthesis of 3-Benzazepines by Metal-Free Oxidative C-H Bond Functionalization-Ring Expansion Tandem Reaction



Mr Andrea GINI  
(WISSENSCHAFTSZENTRUM STRAUBING, Straubing, Germany)

### OC43 - Novel Synthesis of Tetrahydroisoquinoline Derivatives Using Petasis Reaction



Dr Agnieszka GRAJEWSKA  
(ADAM MICKIEWICZ UNIVERSITY, Poznan, Poland)

### OC25 - Chirality in Boron-Chelated Dipyrrromethene Fluorophores: Synthesis and Chiroptical Investigations



Dr Michael HALL  
(NEWCASTLE UNIVERSITY, Newcastle upon Tyne, United Kingdom)

### OC42 - Photopharmacology



Mr Mickel HANSEN  
(RIJKSUNIVERSITEIT GRONINGEN, Groningen, The Netherlands)

### OC15 - Towards a Biomimetic Synthesis of Sciodole



Mr Josh HOMER  
(UNIVERSITY OF AUCKLAND, Auckland, New Zealand)

### OC01 - Poxim: A Novel N-Heterocyclic Carbene Equipped with Multifunctional Phosphine Oxide

## Confirmed Speakers



Prof. Yoichi HOSHIMOTO  
(FACULTY OF ENGINEERING, OSAKA UNIVERSITY, Suita, Osaka, Japan)

### OC06 - Asymmetric Synthesis of Natural Tetrahydroisoquinolines and Tetrahydroprotoberberines



Dr Steen INGEMANN JORGENSEN  
(UNIVERSITY OF AMSTERDAM, Amsterdam, The Netherlands)

### OC35 - Integrative Methodology for Iterative Theory-Experiment Driven Multicomponent Reaction Development



Mr Art KRUTHOF  
(VU AMSTERDAM, Amsterdam, The Netherlands)

### OC22 - Aliphatic N-Heterocycle Synthesis through Direct C-H Bond Amination



Mr Petrus KUIJPERS  
(UNIVERSITY OF AMSTERDAM, Amsterdam, The Netherlands)

### OC32 - Stereoselective Transformations of 2h-Chromene Derivatives



Prof. Tibor KURTÁN  
(UNIVERSITY OF DEBRECEN, Debrecen, Hungary)

### OC41 - Designing Residence Time into Heterocyclic Ligands for Drug Targets



Dr Julien LOUVEL  
(LACDR, Leiden, The Netherlands)

### OC44 - Palladium Catalyzed C-Arylation of Amino Acid Derived Hydantoins



Mr Josep MAS ROSELLO  
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

### OC12 - Exploring Tryptophan Synthase as a Herbicidal Mode of Action



Dr Matthew MCLACHLAN  
(SYNGENTA, Bracknell, Berkshire, United Kingdom)

### OC29 - Biology-Oriented Synthesis Based on Privileged Structures: Building Framework Diversity Around Pyrrole Cores

Prof. José Carlos MENÉNDEZ  
(UNIVERSIDAD COMPLUTENSE, Madrid, Spain)

### OC21 - Is Gold Catalysis a Competitive Method toward Heterocycles ?



## Confirmed Speakers



Mrs Solène MIASKIEWICZ  
(STRASBOURG UNIVERSITY, Strasbourg, France)

### **OC27 - Biologically Active Indolines - Novel Multi-Functional Indolinic Drugs for the Treatment of Inflammatory Diseases**

Prof. Abraham NUDELMAN  
(BAR ILAN UNIVERSITY, Ramat Gan, Israel)

### **OC45 - Enantioselective Synthesis of 4-Arylpyridine Atropisomers by Central-to-Axial Chirality Conversion**



Ms Ophélie QUINONERO  
(ISM2 - INSTITUT DES SCIENCES MOLÉCULAIRE DE MARSEILLE, Marseille, France)

### **OC28 - Asymmetric Reduction of Enamines towards the Synthesis of (-)-Cytisine and Heterocyclic Building Blocks**



Mr Hugo REGO CAMPELLO  
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

### **OC16 - Synthesis of Highly Enantioenriched Pyrrolo[1,2-a]Quinolines. Organocatalyzed Domino Cyclopropane Ring Opening/aza-Michael/aldol Reaction Followed by Acid-Promoted Lactamization**



Mr Eduardo SANCHEZ  
(UPV/EHU UNIVERSITY OF THE BASQUE COUNTRY, Leioa, Spain)

### **OC19 - Pd- and Cu-Catalyzed Stereo- and Regiocontrolled Decarboxylative / C-H Alkenylation of Heroarenes**



Dr Cedric SCHNEIDER  
(UNIVERSITY OF ROUEN, Mont Saint Aignan, France)

### **OC37 - Expansion of the Concept of Nonlinear Effects in Catalytic Reactions Beyond Asymmetric Catalysis**

Prof. Michael SCHNÜRCH  
(TU WIEN, Wien, Austria)

### **OC30 - Exploring the Antifungal and Antibiofilm Properties of Imidazolium Salts and Fluorescent Benzannulated Benzimidazoles**



Prof. Henri SCHREKKER  
(UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL, Porto Alegre-RS, Brazil)

### **OC11 - Pyrazoloquinolinones, Revisited GABAA Receptor Tool Compounds**



Mr David Chan Bodin SIEBERT  
(TU WIEN, Wien, Austria)

### **OC10 - C-Bridged N-Heterocycles as New Ligands**



## Confirmed Speakers



Mr Tim-Daniel J. STUMPF  
(JUSTUS-LIEBIG-UNIVERSITY GIESSEN, Giessen, Germany)

### OC04 - Nitrosoallenes: Reactivity and Applications to Heterocycles Synthesis



Dr Hiroki TANIMOTO  
(NARA INSTITUTE OF SCIENCE AND TECHNOLOGY, Nara, Japan)

### OC24 - Donor-Acceptor Cyclopropanes in Synthesis of Azaheterocycles



Prof. Igor TRUSHKOV  
(M V LOMONOSOV MOSCOW STATE UNIVERSITY, Moscow, Russia)

### OC03 - Rapid Composition of Spiranoid Lactones: Access to Natural and Unexplored Frames



Dr Dmitry TSVELIKHOVSKY  
(THE HEBREW UNIVERSITY OF JERUSALEM, Jerusalem, Israel)

### OC39 - Methodology Development Towards the Lasso Peptide Series

Prof. Jan VAN MAARSEVEEN  
(UNIVERSITEIT VAN AMSTERDAM, Amsterdam, The Netherlands)

### OC26 - Palladium-Catalyzed Isocyanide Insertion in Construction of Diverse Heterocycles



Dr Esther VICENTE GARCIA  
(VRIJE UNIVERSITEIT AMSTERDAM, Amsterdam, The Netherlands)

### OC34 - Dearomative Arylation of Electrophilic Indoles for the Total Synthesis of Natural Products



Prof. Guillaume VINCENT  
(UNIVERSITÉ PARIS SUD INSTITUT DE CHIMIE MOLÉCULAIRE ET DES MATÉRIAUX D'ORSAY (ICMMO), Orsay, France)

### OC23 - 3-Diazoindolin-2-Imines: A Novel Class of Metal Carbene Precursors for the Syntheses of Indole Derivatives

Prof. Yanguang WANG  
(ZHEJIANG UNIVERSITY, Hangzhou, China)

### OC18 - Rearrangement and Cycloaddition Reactions of Donor-Acceptor Cyclopropanes



Prof. Daniel B. WERZ  
(TU BRAUNSCHWEIG, Braunschweig, Germany)