

Marseille, France - July 7 - 12, 2013  
**Esoc 2013**

18<sup>th</sup> European Symposium on Organic Chemistry

## SCIENTIFIC PROGRAM



## Sunday - July 07

Session		Chairman	Pr Max MALACRIA
18:00 18:30	<b>OC</b>		<b>Opening Ceremony</b>
18:30 19:15	<b>Plenary 01</b>  <i>Lilly Lecture</i>	<b>Plenary Lecture</b>	<b>Pr Ben FERINGA</b> <i>University of Groningen - Groningen, NETHERLANDS</i> <b>Dynamic Molecular Systems from Molecular Switches to Motors</b>
19:15 19:30	<b>Award</b>		<b>Lilly European Distinguish Award 2012</b>
<hr/>			
19:30 21:00			<b>Welcome Reception</b>
<hr/>			

## Monday - July 08

Session		Chairwoman	Pr Michèle BERTRAND
08:45 09:30	<b>Plenary 02</b>	<b>Plenary Lecture</b>	<b>Pr Frank GLORIUS</b> <i>University of Münster - Münster, GERMANY</i> <b>Surprising C-H Activation</b>
09:30 09:45	<b>Com 01</b>	<b>Short Oral Communication</b>	<b>Dr Pedro GOIS</b> <i>Lisbon University - Lisbon, PORTUGAL</i> <b>Boron Promoted Assembly of Simple Building Blocks as an Efficient Strategy to Modify Proteins and Discover Biological Active Heterocycles</b>

09:45 10:00	<b>Com 02</b>	<b>Short Oral Communication</b>	<b>Dr Muriel AMATORE</b> <i>University « Pierre et Marie Curie » - Paris, FRANCE</i> <b>Highly Enantioselective Rhodium-Catalyzed [2+2+2] Cycloaddition of Dienes to Sulfonylimines</b>
10:00 10:15	<b>Com 03</b>	<b>Short Oral Communication</b>	<b>Pr Rui TAMURA</b> <i>Kyoto University - Kyoto, JAPAN</i> <b>Preparation and Magnetic Properties of Metal-Free Magnetic Liquid Crystalline Materials Based on Nitroxide Radical Chemistry</b>
10:15 10:30	<b>Com 04</b>	<b>Short Oral Communication</b>	<b>Dr Anne DALENCON</b> <i>Syngenta - Bracknell, Berkshire, UNITED KINGDOM</i> <b>Herbicidal Triazoles: From 10 mg toward kg Scale</b>

---

10:30  
11:00

**Break**

---

Session		<b>Chairman</b>	<b>Pr Marek CHMIELEWSKI</b>
11:00 11:30	<b>Invited 01</b>	<b>Invited Lecture</b>	<b>Dr Antoine BACEIREDO</b> <i>University « Paul Sabatier » - Toulouse, FRANCE</i> <b>Synthesis and Reactivity of a New Stable Phosphino(boryl)carbene</b>
11:30 11:45	<b>Com 05</b>	<b>Short Oral Communication</b>	<b>Dr Cédric REUTER</b> <i>University of Köln - Cologne, GERMANY</i> <b>Syntheses and Biological Investigations of Conformationally Restricted Scaffolds for the Modulation and Inhibition of Protein-Protein-Interactions</b>
11:45 12:00	<b>Com 06</b>	<b>Short Oral Communication</b>	<b>Juho BAH</b> <i>Royal Institute of Technology - Stockholm, SWEDEN</i> <b>Carbocations as Lewis Acid Catalysts in the Diels-Alder Reaction and the Michael Addition Reaction</b>
12:00 12:30	<b>Invited 02</b>	<b>Young Talented Lecture</b>	<b>Pr Luca BEVERINA</b> <i>University of Milano- Milano, ITALY</i> <b>Tuning <math>\pi</math>-conjugated Materials Optoelectronic Properties and Morphology. New Challenges in Organic Synthetic Chemistry</b>

---

12:30  
14:00 **Lunch buffet**

---

Session **Chairman Pr Olivier Riant**

14:00 **Plenary**  
14:45 **03** **Plenary Lecture** **Pr Michael ORFANOPOULOS**  
*University of Crete - Heraklion, Crete, GREECE*  
**Fullerenes: Thermal and Photochemical Reactions of the Third Allotropic Form of Carbon**

14:45 **Com**  
15:00 **07** **Short Oral Communication** **Pr Romano ORRU**  
*VU University Amsterdam - Amsterdam, NETHERLANDS*  
**Multicomponent Reactions and Biocatalysis: a Powerful Combination in Asymmetric Synthesis**

15:00 **Com**  
15:15 **08** **Short Oral Communication** **Dr Nelaine MORA-DIEZ**  
*Thompson Rivers University - Kamloops, CANADA*  
**Acid-Catalyzed Nucleophilic Additions to Carbonyl Groups: Is the Accepted Mechanism the Rule or an Exception?**

15:15 **Invited**  
15:45 **03** **Invited Lecture** **Pr Mimi Hill**  
*Imperial College London - London, UNITED KINGDOM*  
**Exploring MBI as a Chiral Scaffold for Asymmetric Chemistry**

---

15:45  
16:15 **Break**

---

Session **Chairman Pr Frédéric FAGES**

16:15 **Com**  
16:30 **09** **Short Oral Communication** **Dr Takumi WATANABE**  
*Institute of Microbial Chemistry - Tokyo, JAPAN*  
**Study on Catalytic Asymmetric Total Synthesis of Caprazamycin B**

16:30 16:45	<b>Com 10</b>	<b>Short Oral Communication</b>	<b>Dr David TEJEDOR</b> <i>Instituto Productos Naturales y Agrobiología - Consejo Superior de Investigaciones Científicas - La Laguna - Tenerife, SPAIN</i> <b>Propargyl Vinyl Ethers: Synthetic Applications</b>
16:45 17:00	<b>Com 11</b>	<b>Short Oral Communication</b>	<b>Pr Martin KOTORA</b> <i>Charles University - Prague, CZECH REPUBLIC</i> <b>Ir- and Rh-catalyzed C-C bond Cleavage in Biphenylenes: Synthesis of Phenanthrenes and Phenanthridines</b>
17:00 17:15	<b>Com 12</b>	<b>Short Oral Communication</b>	<b>Dr Michael SCHNÜRCH</b> <i>Vienna University of Technology - Vienna, AUSTRIA</i> <b>Arylation and alkylation via metal catalysed C-H activation</b>
17:15 18:00	<b>Plenary 04</b>	<b>Plenary Lecture</b>	<b>Pr Doug STEPHAN</b> <i>University of Toronto - Toronto, CANADA</i> <b>Recent Advances in Frustrated Lewis Pair Chemistry</b>

## Tuesday - July 09

Session		<b>Chairman</b>	<b>Pr Stéphane HUMBEL</b>
08:45 09:30	<b>Plenary 05</b>	<b>Plenary Lecture</b>	<b>Pr Fernando P. COSSIO</b> <i>University of the Basque Country - San Sebastian, SPAIN</i> <b>Organometallic Catalysts and Offspring Organocatalysts in C-C Bond Forming Reactions</b>
09:30 09:45	<b>Com 13</b>	<b>Short Oral Communication</b>	<b>Dr Andrey ANTONCHICK</b> <i>Max Planck Institute of Molecular Physiology - Dortmund, GERMANY</i> <b>Metal-Free C-H Bond Functionalizations</b>
09:45 10:00	<b>Com 14</b>	<b>Short Oral Communication</b>	<b>Dr Piotr KWIATKOWSKI</b> <i>University of Warsaw - Warsaw, POLAND</i> <b>The Effect of High Pressure on Organocatalytic Enantioselective Conjugate Addition Reactions</b>
10:00 10:15	<b>Com 15</b>	<b>Short Oral Communication</b>	<b>Dr Alexey FEDOROV</b> <i>Nizhny Novgorod State University - Nizhny Novgorod, RUSSIAN FEDERATION</i> <b>Synthesis and Biological Evaluation of New Antitumor Alcolchicinoids</b>

10:15 **Com** **Short Oral** **Dr Vincent RITLENG**  
10:30 **16** **Communication** *University of Strasbourg - Strasbourg, FRANCE*  
**From the Stoichiometric Nickelation of Acetone to the  
Catalytic  $\alpha$ -Arylation of Ketones with Well-defined  
Nickel(II)-NHC Complexes**

---

10:30  
11:00 **Break**

---

Session **Chairman** **Pr Manolis STRATAKIS**

11:00 **Invited** **Invited** **Pr Oliver SEITZ**  
11:30 **04** **Lecture** *Humboldt University Berlin - Berlin, GERMANY*  
**DNA Controlled Reaction and Assemblies for the  
Interrogation of Biology**

11:30 **Com** **Short Oral** **Pr Christophe HOARAU**  
11:45 **17** **Communication** *University of Rouen – Rouen Mont Saint Aignan, FRANCE*  
**Base-assisted Catalytic direct C-H Coupling of Azoles with  
Halides: New Insights in Regioselectivity and Functional  
Diversity**

11:45 **Com** **Short Oral** **Dr Devendra VYAS**  
12:00 **18** **Communication** *University of Geneva - Geneva, SWITZERLAND*  
**[Pd-H]-Catalyzed Regioselective Isomerization of  
Epoxides: Scope and Mechanistic Study**

12:00 **Invited** **Invited** **Pr Snorri SIGURDSSON**  
12:30 **05** **Lecture** *University of Iceland - Reykjavik, ICELAND*  
**Strategies for Site-Directed Spin Labeling of Nucleic Acids**

---

12:30  
14:00 **Lunch buffet**

---

Session		Chairman	Pr Nazario MARTIN
14:00 14:30	<b>Patai</b>		<b>Introduction to the Patai Session</b>
14:30 15:15	<b>Plenary 06</b>	<b>Plenary Lecture</b>	<b>Pr Eiichi NAKAMURA</b> <i>University of Tokyo - Tokyo, JAPAN</i> <b>Chemistry of Organic Solar Cells</b>
15:15 15:30	<b>Com 19</b>	<b>Short Oral Communication</b>	<b>Dr Bernard FLYNN</b> <i>Monash University - Parkville, AUSTRALIA</i> <b>Convergent Asymmetric Approaches to chiral Cyclopentanoids and Cyclopentanoid Containing Polycycles</b>
15:30 15:45	<b>Com 20</b>	<b>Short Oral Communication</b>	<b>Dr Victor CERTAL</b> <i>SANOFI - Vitry sur Seine, FRANCE</i> <b>Preparation and Optimization of New Thiazole (acid or amide) Derivatives as PI3K<math>\beta</math> Selective Inhibitors in Cancer</b>
15:45 16:15	<b>Invited 06</b>	<b>Invited Lecture</b>	<b>Pr Doron SHABAT</b> <i>Tel Aviv University - Tel Aviv, ISRAEL</i> <b>Self-Immolative Molecular Systems: a Unique Gateway for Signal Amplification and NIR-Fluorescent Imaging Probes</b>

---

16:15  
16:45

**Break**

---

Session		Chairman	Pr Ben FERINGA
16:45 17:00	<b>Com 21</b>	<b>Short Oral Communication</b>	<b>Dr Jan PARADIES</b> <i>Karlsruhe Institute of Technology - Karlsruhe, GERMANY</i> <b>Tuning of Frustrated Lewis Pairs' Reactivity by Electronic Modifications: Catalytic Hydrogenation of Olefins and Nitroolefins</b>

17:00 17:15	<b>Com</b> <b>22</b>	<b>Short Oral Communication</b>	<b>Dr Peter Clarke KNIPE</b> <i>University of Oxford - Oxford, UNITED KINGDOM</i> <b>Phase-transfer Catalysed Cascade Cycloisomerization of Isocyanides – a Novel Route to Pyrrolo- and Pyridoindolines</b>
17:15 17:30	<b>Com</b> <b>23</b>	<b>Short Oral Communication</b>	<b>Dr Johan WINNE</b> <i>Ghent University - Gent, BELGIUM</i> <b>Exploiting Furan's Versatile Reactivity: from Natural Product Synthesis to Chemical Biology Applications</b>
17:30 17:45	<b>Com</b> <b>24</b>	<b>Short Oral Communication</b>	<b>Pr Tiziana BENINCORI</b> <i>University of Insubria - Como, ITALY</i> <b>Inherently Chiral Organic Semiconductors</b>
17:45 18:15	<b>Invited</b> <b>07</b>	<b>Invited Lecture</b>	<b>Pr Jeffrey BODE</b> <i>ETH-Zürich - Zürich, SWITZERLAND</i> <b>SnAP Reagents for Cross-Coupling of Saturated N- Heterocycles</b>

---

18:15 20:30	<b>Poster</b>	<b>Poster Session 1 With Wine &amp; Cheese</b>
----------------	---------------	--

---

## Wednesday - July 10

Session		<b>Chairman</b>	<b>Pr Henk HIEMSTRA</b>
08:45 09:30	<b>Plenary</b> <b>07</b>	<b>Plenary Lecture</b>	<b>Pr Benjamin DAVIS</b> <i>University of Oxford - Oxford, UNITED KINGDOM</i> <b>Sugars and Proteins</b>
09:30 09:45	<b>Com</b> <b>25</b>	<b>Short Oral Communication</b>	<b>Lukas DELVOS</b> <i>Technische Universität Berlin - Berlin, GERMANY</i> <b>Asymmetric Synthesis of <math>\alpha</math>-Chiral Allylic Silanes by Enantioconvergent <math>\gamma</math>-Selective Copper(I)-Catalyzed Allylic Substitution with a Silicon Nucleophile</b>



09:45 10:00	<b>Com</b> <b>26</b>	<b>Short Oral Communication</b>	<b>Dr Fabrice DENES</b> <i>University of Nantes - Nantes, FRANCE</i> <b>One-Pot Radical Cyclization of <math>\alpha</math>-Bromo Aluminum Acetal – Oxidation as an Easy Access to <math>\gamma</math>-Lactones and Butenolides</b>
10:00 10:15	<b>Com</b> <b>27</b>	<b>Short Oral Communication</b>	<b>Dr Maté ERDELYI</b> <i>University of Gothenburg - Gothenburg, SWEDEN</i> <b>Halogen Bond Symmetry</b>
10:15 10:30	<b>Com</b> <b>28</b>	<b>Short Oral Communication</b>	<b>Pr Zhengkun YU</b> <i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences - Dalian, Liaoning, CHINA</i> <b>Catalytic Transformations of Ketene Dithioacetals</b>

---

10:30  
11:00

**Break**

---

Session		Chairman	<b>Pr Patrick GUIRY</b>
11:00 11:30	<b>Invited</b> <b>08</b>	<b>Invited Lecture</b>	<b>Pr Pablo BALLESTER</b> <i>Institute of Chemical Research of Catalonia - Tarragona, SPAIN</i> <b>Aryl Extended Calix[4]pyrrole Scaffolds in Supramolecular Chemistry</b>
11:30 11:45	<b>Com</b> <b>29</b>	<b>Short Oral Communication</b>	<b>Pr Valérie HEITZ</b> <i>University of Strasbourg - Strasbourg, FRANCE</i> <b>Towards Switchable Cages: Synthesis of Large Porphyrin Cages Incorporating Coordination Sites in their Framework</b>
11:45 12:00	<b>Com</b> <b>30</b>	<b>Short Oral Communication</b>	<b>Dr Barbara LA FERLA</b> <i>University of Milano - Milan, ITALY</i> <b>Amyloid <math>\beta</math> Peptide Ligands and Derived Nanodevices as Diagnostic Tools for Alzheimer's Disease</b>
12:00 12:30	<b>Invited</b> <b>09</b>	<b>Young Talented Lecture</b>	<b>Pr Olivier BAUDOIN</b> <i>University of Lyon - Villeurbanne, FRANCE</i> <b>Palladium-catalyzed Long-range Arylation of Unactivated C(sp<sup>3</sup>)-H bonds</b>

---

12:30  
12:45

**ESOC 2015 Presentation**

---

---

12:45  
14:15

**Lunch box**  
**Departures of excursion or free afternoon**

---

## Thursday - July 11

Session		Chairman	<b>Pr Silviu BALABAN</b>
08:45 09:30	<b>Plenary 08</b>	<b>Plenary Lecture</b>	<b>Pr David MACMILLAN</b> <i>Princeton University - Princeton, UNITED STATES</i> <b>New Catalysis Concepts</b>
09:30 09:45	<b>Com 31</b>	<b>Short Oral Communication</b>	<b>Dr Rosa María SEBASTIÁN</b> <i>University of Barcelona - Barcelona, SPAIN</i> <b>Phosphorus-derived Dendromesogens Decorated with Sulphonamide Derivatives</b>
09:45 10:00	<b>Com 32</b>	<b>Short Oral Communication</b>	<b>Dr Daniel PLA</b> <i>University of Cambridge - Cambridge, UNITED KINGDOM</i> <b>Amine-directed Pd(II)-catalysed C(sp<sup>3</sup>)-H Bond Carbonylation</b>
10:00 10:15	<b>Com 33</b>	<b>Short Oral Communication</b>	<b>Dr Olga GARCÍA MANCHENO</b> <i>University of Münster - Münster, GERMANY</i> <b>Novel Oxidative C(sp<sup>3</sup>)-H Bond Functionalizations: Synthesis of Heterocycles</b>
10:15 10:30	<b>Com 34</b>	<b>Short Oral Communication</b>	<b>Pr Christian ROLANDO</b> <i>University of Lille - Villeneuve d'Ascq, FRANCE</i> <b>Microflow Chemistry: Control of Mixing for Improving Organic Synthesis Selectivity</b>

---

10:30  
11:00

**Break**

---

Session                      **Chairwoman**      **Dr Corinne AUBERT**

11:00      **Invited**  
11:30      **10**

**Invited  
Lecture**

**Pr Tibor SOÓS**  
*Research Centre for Natural Sciences, Hungarian Academy of  
Sciences - Budapest, HUNGARY*  
**Exploring the Elements of Catalyst Design:  
Bifunctionality, Strain and Secondary Interactions**

11:30      **Com**  
11:45      **35**

**Short Oral  
Communication**

**Dr Thierry ACHARD**  
*University of Geneva, Geneva, SWITZERLAND*  
**CpRu-catalyzed Decomposition of  $\alpha$ -Diazo- $\beta$ -ketoesters  
for the Synthesis of Unprecedented Enol-acetal and  
Dioxene Motifs**

11:45      **Com**  
12:00      **36**

**Short Oral  
Communication**

**Dr Nuno MAULIDE**  
*Max-Planck-Institut für Kohlenforschung - Mülheim an der  
Ruhr, GERMANY*  
**Catalytic Rearrangements – Inspiration for Total Synthesis  
and the Discovery of New Reactivities**

12:00      **Invited**  
12:30      **11**

**Invited  
Lecture**

**Pr Adriaan MINNAARD**  
*University of Groningen - Groningen, NETHERLANDS*  
**Total Synthesis of M. Tuberculosis Glyco-lipids; a Tale of  
Tails**

---

12:30      **Poster**  
14:45

**Poster Session 2  
With Lunch buffet**

---

Session                      **Chairman**      **Pr Jean-Marc CAMPAGNE**

14:45      **Plenary**  
15:30      **09**

**Plenary  
Lecture**

**Pr Nazario MARTÍN**  
*University Complutense - Madrid, SPAIN*  
**Enantioselective Synthesis of Carbon Nanoforms**

**EuChemS  
Lecture**

15:30 15:45	<b>Com 37</b>	<b>Short Oral Communication</b>	<b>Dr Milon MONDAL</b> <i>University of Groningen - Groningen, NETHERLANDS</i> <b>De Novo Design of Novel Inhibitors of the Aspartic Protease Endothiapepsin Exploiting Dynamic Combinatorial Chemistry</b>
15:45 16:00	<b>Com 38</b>	<b>Short Oral Communication</b>	<b>Dr Philippe DAUBAN</b> <i>Institut de Chimie des Substances Naturelles - CNRS - Gif-sur- Yvette, FRANCE</i> <b>Catalytic Selective Functionalization of Alkanes &amp; Alkenes with Nitrenes</b>
16:00 16:45	<b>Plenary 10</b>  <b>Sanofi Lecture</b>	<b>Plenary Lecture</b>	<b>Dr Joël TURCONI</b> <i>Sanofi - Sistrion, FRANCE</i> <b>Semisynthetic artemisinin : path to industrial production</b>

---

16:45  
17:15

**Break**

---

Session		<b>Chairman</b>	<b>Pr Valery CHARUSHIN</b>
17:15 17:30	<b>Com 39</b>	<b>Short Oral Communication</b>	<b>Dr David MARTIN</b> <i>CNRS - University of California (San Diego) joint chemistry laboratory - La Jolla, CA, UNITED STATES</i> <b>A Stable “anti-Bredt” Diaminocarbene: Applications in Organometallic Catalysis, Small Molecules Activation and Design of Stable Radicals</b>
17:30 17:45	<b>Com 40</b>	<b>Short Oral Communication</b>	<b>Dr Jeroen DICKSCHAT</b> <i>Technische Universität Braunschweig - Braunschweig, GERMANY</i> <b>Bacterial Terpene Biosynthesis</b>
17:45 18:00	<b>Com 41</b>	<b>Short Oral Communication</b>	<b>Dr Emmanuel VRANCKEN</b> <i>Ecole Nationale Supérieure de Chimie de Montpellier - Montpellier, FRANCE</i> <b>Versatile Transition Metal-Catalyzed Uninterrupted Multi- Step Sequences To Di- And Trisubstituted Isoxazole Derivatives from Propargylic Alcohols</b>

18:00 **Plenary** **Plenary** **Pr Joost REEK**  
18:45 **11** **Lecture** *University of Amsterdam - Amsterdam, NETHERLANDS*  
**Supramolecular Strategies to Control Selectivity in  
Transition Metal Catalysis and Application in Synthesis**

---

20:00 **Conference Dinner**  
22:30

---

## Friday - July 12

Session **Chairman** **Pr Antonio M. ECHAVARREN**

09:00 **Plenary** **Plenary** **Pr Raffaele RICCIO**  
09:45 **12** **Lecture** *University of Salerno - Fisciano, ITALY*  
**Nature Inspired Drug Discovery: Target Profiling of  
Bioactive Molecules by Chemical Proteomics**

09:45 **Invited** **Young** **Pr Mark GANDELMAN**  
10:15 **12** **Talented Lecture** *Technion - Israel Institute of Technology - Haifa, ISRAEL*  
**Nitrenium and Triazole Based Systems: Novel Type of  
Ligands, Bonding and Reactivity**

---

10:15 **Break**  
10:45

---

Session **Chairman** **Pr Antonio M. ECHAVARREN**

10:45 **Invited** **Invited** **Dr Belen MARTIN-MATUTE**  
11:15 **13** **Lecture** *Stockholm University - Stockholm, SWEDEN*  
**Formation of Carbon-Heteroatom Bonds via Catalytic  
Transfer Hydrogenation: Scope and Applications**

11:15 **Plenary** **Plenary** **Pr Alexandre ALEXAKIS**  
12:00 **13** **Lecture** *University of Geneva - Geneva, SWITZERLAND*  
**Formation of all-Carbon Quaternary Stereocenters**  
**through Conjugate Addition or Allylic Substitution**

12:00 **Awards** **Conclusions and Awards**  
12:30

---

12:30 **Lunch box**  
14:15

---