

Wednesday, the 2nd of September of 2015

9:00 Registration
10:00 Opening Ceremony

Chairman: Christina Moberg

10:30 PL 1 **Toward Step Economy, the Ideal Synthesis and Transformative Therapies: New Reactions, Reagents and Catalysts**
Paul Wender

11:15 Coffee Break

Chairman: Paula Robalo

11:30 PL 2 **Design and Evolution of New Biocatalysts for Organic Synthesis**
Nicholas Turner

12:15 PL 3 **Small Molecule Activation by Polyhydride Complexes: From H₂ to Silanes, Boranes, and CO₂**
Sylviane Sabo-Etienne

13:00 Lunch

Chairman: Leonardo Santos

14:05 PL 4 **Boronic acid: A useful building block for chemical biology**
Pedro Góis

14:50 PL 5 **Cross-Coupling Beyond 2010 Nobel Prize**
Thomas Colacot

15:35 OC 1 **Asymmetric Grignard Synthesis of Tertiary Alcohols**
Declan Gilheany

15:55 OC 2 **Synthesis of Trifluoromethoxy Aryl Ethers via Radical Fluorodecarboxylation**
Claire Chatalova-Sazepin

16:15 Coffee Break

Chairman: Pat O'Neill

16:30 PL 6 **Cycloheterolipatics: Fused heterocycles as useful scaffolds in Medicinal Chemistry**
Jose Villalgordo

17:15 OC 3 **Continuous Advances in the Synthesis of Active Pharmaceuticals Ingredients – Addressing Environmental Concerns**
Ricardo Mendonça

17:35 OC 4 **Bifunctional Iron Catalysts: Synthesis and Application in Hydrogenation**
Jean-Luc Renaud

18:00 Flash Talks

Catalysis and Materials

Synthesis

Auditorium

Room 124

Chairman: Artur Silva

Chairman: Narciso Garrido

F 1 André Barbosa

F 7 Ricard Sola Mestres

F 2 Xiau Wu

F 8 João Medeiros-Silva

F 3 Nerea Conde

F 9 Filipe Madeira

F 4 Tiago F. C. Cruz

F 10 Rosalyn Klein

F 5 Lorna J. Mitchell

F 11 Jurgen Caroen

F 6 Anna M. Maj

F 12 Xavier Guinchard

19:00 Poster Session
CAS SciFinder Work-shop

20:20 Cocktail Reception

Thursday, the 3rd of September of 2015

Chairman: Carlos Afonso

- 9:00 PL 7 **Continuous Flow Synthesis of Active Pharmaceutical Ingredients**
Peter Seeberger
- 9:45 PL 8 **Photo-organocatalysis: New Opportunities in Enantioselective Synthesis**
Paolo Melchiorre
- 10:30 OC 5 **Chemoselective Organic Transformations Catalyzed by Supported Gold Nanoparticles**
Ioannis N. Lykakis
- 10:50 OC 6 **Synthesis and catalytic transformations of functionalized cyclopropanes: from cyclopropanation to cycloaddition**
Juliette Sabbatani

11:15 **Coffee Break**

Chairman: Maria José Alves

- 11:30 PL 9 **The Functionalization of C-H Bonds**
Christina White
- 12:15 PL 10 **Alcohol Amination: Needs and Solutions from an Industrial Perspective**
Martin Ernst

13:00 **Lunch**

Chairman: Francisco Palacios

- 14:05 PL 11 **Industrialization of new APIs: Technology Transfer and Scale-up Challenges**
Domenico Russo
- 14:50 OC 7 **Enantioselective Catalytic Preparation of Fluoroalkanes and Tertiary Steriocenters from Geminal Dihaloalkanes**
Mark Gandelman
- 15:10 OC 8 **Diastereoselective Carbenoid Insertion into Unsymmetrical Diboron Species**
Ana Cuenca

15:45 **Coffee Break**

Chairman: Rosalyn Klein

- 16:00 PL 13 **Asymmetric C-H Bond Functionalizations: A Quest for Efficient Ligand Systems**
Nicolai Cramer
- 16:45 OC 9 **Plug & Play Biocatalysis – synthesis of small organic molecules made easy**
Kristin Katsch
- 17:05 OC 10 **Asymmetric Organocatalysis and Hydrogenation – Enabling access to Telaprevir's Critical Fragments**
Sarah Warren

17:30 **Flash Talks**

Auditorium

Room 124

Chairman: Artur Silva

Chairman: Narciso Garrido

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| F 13 | <u>Marie Bélières</u> | F 20 | <u>Maria-João R.P. Queiroz</u> |
| F 14 | <u>Arnaud Voituriez</u> | F 21 | <u>Ahmed H. E. Hassan</u> |
| F 15 | <u>Eider Aranzamendi</u> | F 22 | <u>Sarah Delf</u> |
| F 16 | <u>Luís Branco</u> | F 23 | <u>Agnieszka Grajewska</u> |
| F 17 | <u>M. Paula Robalo</u> | F 24 | <u>Saúl Silva</u> |
| F 18 | <u>Nicholas D. Mullins</u> | F 25 | <u>Rashid Bouhfid</u> |
| F 19 | <u>Carla Queirós</u> | F 26 | <u>Ana Petronilho</u> |

- 19:00 **Poster Session**
CAS SciFinder Work-shop
- 20:45 **Banquet Dinner**

Friday, the 4th of September of 2015

Chairman: Simone Zaramella

- 9:00** **PL 14** **Making Complex Molecules – Addressing the Challenges from a Pharmaceutical Industry Point of View in the 21st Century**
Hans-Jürgen Federse
- 9:45** **PL 15** **Computational Ligand Designs for Asymmetric Catalysis**
Robert Paton
- 10:30** **PL 16** **Impurities: The Process Chemist's Friend and Foe**
Oliver Dirat

11:15 **Coffee Break**

Chairman: Declan Gilheaney

- 11:30** **OC 11** **Combining enzymes and organometallics: Biohybrids as new efficient catalysts in C-C bond and tandem reaction**
José Palomo
- 11:50** **PL 17** **Non Noble Metal Catalysis for Making Precious Molecules**
Matthias Beller
- 12:35** **Awards and Closing Ceremony**
- Social Program**