

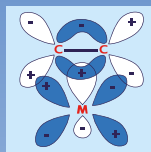
# OMCOS18

Organometallic Chemistry  
Directed Towards Organic Synthesis  
IUPAC International Symposium



Sitges - Barcelona 2015  
From June 28th to July 2nd

[www.omcos2015.com](http://www.omcos2015.com)



## FINAL PROGRAMME



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# Welcome Letter

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We wish to welcome all participants to the 18th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 18) held in the auditorium of the Hotel Meliá Sitges –Barcelona. For the first time, OMCOS is organized in Spain. We have brought together a prestigious group of speakers that will cover a broad range of topics at the frontier of chemical research.

We would like to express our deepest gratitude to all participants for their interest, which has made this OMCOS 18 possible. We warmly welcome all of you to Sitges (located in 35km south of Barcelona), a beautiful touristic coastal town of Catalonia, famous for its beaches and historical sites. We hope you get to enjoy the wonderful sights and experiences the town and Barcelona can offer.

This OMCOS 18 is made possible through the generous support from the Spanish Royal Chemical Society (RSEQ, RSEQ-CAT, GEQO and GEQOR), the Yeng Chuang Foundation, Springer, Thieme Chemistry, BASF, Eli Lilly Spain, ACS Publications, Advanced Synthesis and Catalysis, Asahi Spectra, Sigma Aldrich, Strem, the Royal Society of Chemistry, the Societat Catalana de Química, and the Institute of Chemical Research of Catalonia (Severo Ochoa Project).

We wish you all a wonderful time in Sitges!

Antonio M. Echavarren

Elena Fernández

Rubén Martín

Kilian Muñiz

Miquel À. Pericàs



## Practical Information

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**About Sitges** Sitges is one of the most emblematic spots on the Catalan coast.

Located just 35 kilometers south of Barcelona, it is connected to center city (25 minutes) and the airport (15 minutes) by excellent road, motorway and railway links. Traditionally associated with culture and tourism, Sitges has always been a pioneer in many different aspects, including the organization of events.

The town draws people to it thanks to its beaches, the seaside promenade, its historical center, the marina, its museums, its leisure options and its wide range of neoclassic, Catalan modernism and *noucentista* (post Art Nouveau cultural movement) buildings, that have all made Sitges one of the most attractive spots on the Mediterranean coast.

Being a first-class tourism town specialized in organizing congresses and conventions, Sitges offers a wide-ranging, modern, top quality hotel infrastructure.

**Language:** Spanish and Catalan are the two main languages spoken in Barcelona. English, and to a lesser extent French, are also fairly widely spoken. Tourist information, menus, etc. are nearly always available in English, French and German.

**Climate:** Sitges- Barcelona enjoys a Mediterranean climate with mild, sunny winters, warm summers and relatively low rainfall. Temperatures during the summer months of July and August can be quite hot during the day, with temperatures of 25 to 30 degrees Celsius (77-86 degrees Fahrenheit), but are very pleasant in the evening.

**Taxis:** Taxis in Sitges - Barcelona may be ordered by phone, picked up at authorized taxi stands or flagged down in the street. Always check that the meter is running. Taxis must usually be paid in cash though some accept credit cards. There is also 1 taxi company with 37 taxis at your disposal.

**Bus:** Sitges has three local bus routes that connect the town's different zones the center. They all run at 30-minute intervals. Service starts at 06:45 in the morning on workdays, 08:45 on Saturday and public holidays, and ends at 20:45 on workdays as well as Saturday and public holidays. For more information on routes and timetables visit the Sarfa website.

**VAT:** There is a variable value added tax (VAT) of 10% to 21% applied to most items and services, but most prices you see will include it. When it is not included, this should be clearly indicated.

**Shopping:** Normal trading hours are Monday to Saturday from 9.00 to 13.30 and 16.30 to 20.00; however, in the city center and shopping malls, many shops stay open all day from 10.00 to 21.00, or even later in some tourist spots such as Maremagnum.





**Credit Cards, Currency and Exchange:** All major international credit cards are accepted. Foreign currency and travel checks can be exchanged in Spain at banks and foreign exchange offices. Cash-point machines accepting major international credit cards and charge cards are available at most banks. The Spanish currency is the Euro (€).

**Duty Free:** There are no restrictions on visitors entering Spain with goods bought in another European Union member country, as long as they are for their own use and not to sell.

**Banks:** Banks are open from 8.30 to 14.00 from Monday to Friday during the summer months.

**Tippling:** In restaurants, hotels, taxis, hairdressers and so on, a gratuity is not included in the price. Although optional, tips are readily accepted and a general guideline is between 5% and 10% of the bill, depending on the quality of the service. Hotel and airport porters will take, depending on the luggage you have, 1 to 3 Euros.

**Liability and Insurance:** The Conference organizers cannot accept liability for personal injuries, loss or damage to property belonging to Conference participants (or their accompanying persons), either during or as a result of the Conference. Please check the validity of your own insurance.

## Useful Telephones

**Town Hall: 938 117 600**

**Primary Health Care Centre (CAP): 938 947 578**

**Post: 938 941 247**

**Local Police: 938 110 016**

**RENFE: 902 242 202**

**Taxis: 938 941 329/938 943 594**

**Tourist Office: 93 894 50 04**



# Congress Information

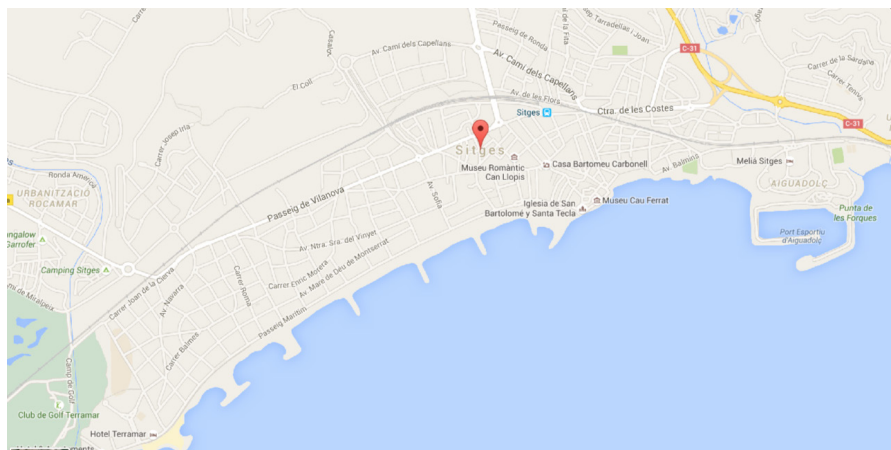
## Venue and time

The 18th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 18) will be held from June 28 to July 2 at the Hotel Meliá Sitges, Sitges, Barcelona.

## Meliá Sitges

Joan Salvat Papasseit, 38  
08870 Sitges – Barcelona. Spain  
E-mail: [melia.sitges@melia.com](mailto:melia.sitges@melia.com)  
T. + 34 93 811 08 11

## Sitges Map



## Technical Secretariat

**Barceló**  
CONGRESOS

### OMCOS 18 Technical Secretariat

Pl. Europa, 17-19 1st Floor  
08908 L' Hospitalet del Llobregat - Barcelona  
T: +34 93 882 38 78  
[omcos2015@barcelocongresos.com](mailto:omcos2015@barcelocongresos.com)



## Badges

All delegates, speakers and exhibitors are kindly requested to wear their name badge during all the Conference activities. The entrance to the venue is restricted to registered participants wearing their name badge.

## Certificate of attendance

A certificate of attendance will be sent by email after the conference.

## Registration Desk and Hours

The registration desk will be located in the Auditorium Hall of the Hotel Meliá Sitges. Level 0.

Registration desk will be open:

Sunday June 28th 15.00h – 20.30h  
Monday June 29th 08.00h – 20.00h  
Tuesday June 30th 08.30h - 15.00h  
Wednesday July 1st 08.30h - 20.00h  
Thursday July 2nd 08.30h – 14.00h

## Wi-fi

We are pleased to provide attendees at OMCOS 18 free public Wi-Fi throughout the venue. Wi-Fi login details will be available on the attendee badge.

## Conference Venue Information

**Registration:** Auditorium Hall (Level 0)

**OMCOS 18 Conference session:** Auditorium (Level 0)

**Poster Board Display:** Garbi Room (Level -1)

**Exhibition Area:** Auditorium Hall (Level 0)



# Meeting at a glance

Sunday (28 June)	Monday (29 June)	Tuesday (30 June)
	<p><b>Jieping Zhu</b> 09:00 - 09:50 Thieme Chemistry Plenary Lecture (Chairperson: José Manuel González) Metal-catalyzed Difunctionalization of Non-activated Carbon-Carbon Multiple Bonds</p>	<p><b>Melanie Sanford</b> OMCOS Award Lecture Springer Plenary Lecture 09:00 - 09:50 (Chairpersons: Antonio M. Echavarren &amp; E. Peter. Kündig) Development of New Transition Metal-Catalyzed C-H Functionalization Reactions</p>
	<p><b>Sarah E. Reisman</b> 09:50 - 10:20 (Chairperson: Mariola Tortosa) Necessity is the Mother of Invention: Natural Products and the Chemistry they Inspire</p>	<p><b>Pedro J. Pérez</b> 09:50 - 10:20 (Chairperson: Armin de Meijere) Carbon-Nitrogen Bond Formation Reactions with Group 11-metal Based Catalysts</p>
	<p>Coffee break 10:20 - 10:50</p>	<p>Coffee break 10:20 - 10:50</p>
	<p><b>Vladimir Gevorgyan</b> 10:50 - 11:20 (Chairperson: Shengming Ma) Development of Novel Transition Metal-Catalyzed Synthetic Methodologies</p>	<p><b>Cathleen M. Crudden</b> 10:50 - 11:20 (Chairperson: Jennifer F. Schomaker) Advances in the Catalytic Functionalization of Organoboron Compounds and the Application of Organoboranes as Catalysts</p>
	<p>Oral Communications (15 min x 5) 11:20 - 12:35 (Chairperson: Xavier Ribas)</p>	<p>Oral Communications (15 min x 5) 11:20 - 12:35 (Chairperson: Antoni Riera)</p>
	<p><b>Troels Skrydstrup</b> 12:35 - 13:05 (Chairperson: Agustí Lledós) Recent Developments in Carbonylation Chemistry</p>	<p><b>Ning Jiao</b> 12:35 - 13:05 (Chairperson: Jérôme Waser) From simple Hydrocarbons to N-containing Compounds through Nitrogenation Strategy</p>
	<p>Lunch 13:05 - 15:00</p>	<p>Lunch Box 13:05 - 15:00</p>
	<p><b>Naohiko Yoshikai</b> 15:00 - 15:30 (Chairperson: Holger Butenschön) Progress in Cobalt-Catalyzed C-H Functionalization</p>	
	<p><b>Marta Catellani</b> 15:30 - 16:00 (Chairperson: Josep Bonjoch) Palladium/Norbornene Catalysis for the Synthesis of Selectively Substituted Aromatics</p>	
REGISTRATION 15:00 - 17:40	<p>Oral Communications (15 min x 4) 16:00 - 17:00 (Chairperson: Kilian Muñiz)</p>	EXCURSION / FREE TIME 15:00 - 20:00
Opening Remarks 17:40 - 18:00	<p><b>Helmut Schwarz</b> 17:00 - 17:50 RSEQ Plenary Lecture (Chairperson: Kilian Muñiz) Metal-mediated C-N Bond Coupling in the Gas Phase: Experiment and Computational Chemistry in Concert</p>	
<b>Robert G. Bergman</b> Lilly-OMCOS 18 Plenary Lecture 18:00 - 18:50 (Chairperson: Antonio M. Echavarren) Selective Stoichiometric and Catalytic Reactions in Water-Soluble Host-Guest Supramolecular Systems	POSTER SESSION 17:50 - 20:00	
Reception Cocktail 18:50 - 21:30		







Wednesday (1 July)	Thursday (2 July)
<p style="text-align: center;"><b>Kálmán J. Szabó</b> RSEQ-CAT Plenary Lecture 09:00 - 09:50 (Chairperson: Alexandre Alexakis)</p> <p style="text-align: center;">Catalytic Synthesis and Application of Allyl and Vinyl Boronates</p>	<p style="text-align: center;"><b>A. Stephen K. Hashmi</b> BASF Plenary Lecture 09:00 - 09:50 (Chairperson: José Luis Mascareñas)</p> <p style="text-align: center;">Gold Catalysis: Breaking and Forming C-H and C-C Bonds</p>
<p style="text-align: center;"><b>Cristina Nevado</b> 09:50 - 10:20 (Chairperson: Diego J. Cárdenas)</p> <p style="text-align: center;">Mechanistic Complexity in Metal Catalyzed Reactions</p>	<p style="text-align: center;"><b>Franziska Schoenebeck</b> 09:50 - 10:20 (Chairperson: Nicolai Cramer)</p> <p style="text-align: center;">Adventures in Organometallic Chemistry - Computation and Experiment</p>
<p style="text-align: center;">Coffee break 10:20 - 10:50</p>	<p style="text-align: center;">Coffee break 10:20 - 10:50</p>
<p style="text-align: center;"><b>Nobuharu Iwasawa</b> 10:50 - 11:20 (Chairperson: Pierre Dixneuf)</p> <p style="text-align: center;">Transition Metal-Catalyzed Direct Carboxylation of sp<sup>2</sup>-C-H bonds</p>	<p style="text-align: center;"><b>Olivier Baudoin</b> 10:50 - 11:20 (Chairperson: John Montgomery)</p> <p style="text-align: center;">Recent Developments in Palladium(0)-Catalyzed C(sp<sup>3</sup>)-H Functionalization</p>
<p style="text-align: center;">Oral Communications (15 min x 5) 11:20 - 12:35 (Chairperson: Miguel Angel Sierra)</p>	<p style="text-align: center;">Oral Communications (15 min x 5) 11:20 - 12:35 (Chairperson: Eduardo Peris)</p>
<p style="text-align: center;"><b>Juan Carlos Carretero</b> 12:35 - 13:05 (Chairperson: Martin Kotorá)</p> <p style="text-align: center;">Directing Sulfonyl Groups in C-H Activation and Alkyne Functionalization</p>	<p style="text-align: center;"><b>Sukbok Chang</b> 12:35 - 13:25 ICIQ SEVERO-OCHOA Plenary Lecture (Chairperson: Bruce H. Lipshutz)</p> <p style="text-align: center;">Development of Direct C-H Amination Reactions</p>
<p style="text-align: center;">Lunch 13:05 - 15:00</p>	<p style="text-align: center;">Poster Awards &amp; Closing Ceremony 13:25 - 14:00 (Chairpersons: Antonio M. Echavarren, E. Peter Kündig &amp; Sukbok Chang)</p>
<p style="text-align: center;"><b>Todd Marder</b> 15:00 - 15:50 GEOQ Plenary Lecture (Chairperson: Elena Fernández)</p> <p style="text-align: center;">Old and New Metals for the Catalytic Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates</p>	
<p style="text-align: center;"><b>Jonathan Medlock</b> 15:50 - 16:20 (Chairperson: Satoshi Minakata)</p> <p style="text-align: center;">Asymmetric Homogeneous Hydrogenation for the Production of Vitamins</p>	
<p style="text-align: center;">Oral Communications (15 min x 4) 16:20 - 17:20 (Chairperson: Rubén Martín)</p>	
<p style="text-align: center;"><b>Naoto Chatani</b> 17:20 - 18:10 GEQOR Plenary Lecture (Chairperson: Rubén Martín)</p> <p style="text-align: center;">A New Stage of Catalytic Functionalization of C-H Bonds</p>	
<p style="text-align: center;">OMCOS 19 18:10 - 18:25 (Chairperson: Rubén Martín)</p>	
<p style="text-align: center;">POSTER SESSION 18:25 - 20:00</p>	
<p style="text-align: center;">BANQUET 21:00 - 00:00</p>	



# Social Programme

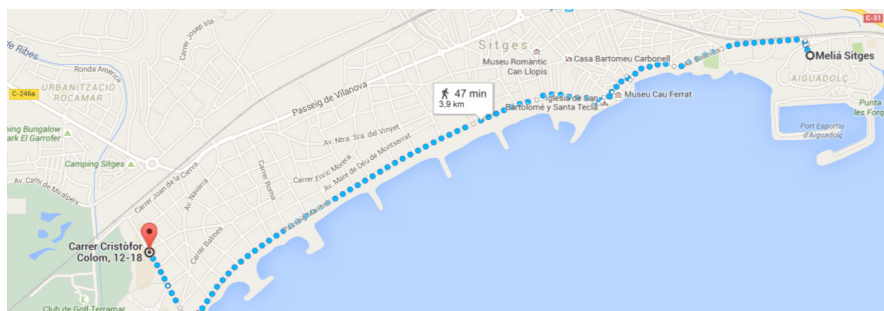
## Sunday June 28th

### Welcome Reception (Included in the Registration Fee) 18.50h - 21.30h

A complimentary Welcome Cocktail will be offered in Jardins Terramar located at the end of the Passeig Marítim (Paseo Marítimo). These gardens are of the Noucentisme artistic style and where designed by Miquel Utrillo.

During the reception you will admire human tower, Diables (*fire dancers*) and Bastoners (*stick dance*) demonstrations which are typical in the catalan culture.

Please find on the map below the route to be covered from the Venue to the Welcome Reception area:



A complementary shuttle bus service has been arranged at the end of the sessions between the Hotel Meliá Sitges and the Jardins Terramar.

Meeting Point : Meliá Sitges Hall

Also a shuttle is available at the end of the event to go back to the Hotel Meliá Sitges.

## Wednesday July 1st

### Congress Dinner

Not included in the registration fee. Price: 50€ (Your ticket will be requested upon entrance).

Meet your colleagues in an informal and relaxed environment; the garden and pool of the Hotel Meliá Sitges are the perfect place to enjoy a special summer night.



# Scientific Programme

## Sunday, June 28th

- 15:00 - 17:40 REGISTRATION
- 17:40 - 18:00 Opening Remarks  
Antonio M. Echavarren
- 18:00 - 18:50 Lilly Plenary Lecture  
Selective Stoichiometric and Catalytic Reactions in Water-Soluble Host-Guest Supramolecular Systems  
**Chairperson:** Antonio M. Echavarren  
**Speaker:** Robert G. Bergman
- 18:50 - 21:30 Reception Cocktail

## Monday, June 29th

- 09:00 - 09:50 Thieme Chemistry Plenary Lecture  
Metal-catalyzed Difunctionalization of Non-activated Carbon-Carbon Multiple bonds  
**Chairperson:** José Manuel González  
**Speaker:** Jieping Zhu
- 09:50 - 10:20 Necessity is the Mother of Invention: Natural Products and the Chemistry they Inspire  
**Chairperson:** Mariola Tortosa  
**Speaker:** Sarah E. Reisman
- 10:20 - 10:50 Coffee break
- 10:50 - 11:20 Development of Novel Transition Metal-Catalyzed Synthetic Methodologies  
**Chairperson:** Shengming Ma  
**Speaker:** Vladimir Gevorgyan
- 11:20 - 12:35 Oral Communications  
**Chairperson:** Xavier Ribas
- O-001** Investigating the mechanism of Ru(II)-catalysed direct arylation with DFT  
Claire L. McMullin, Kevin J. T. Carr, Stuart A. Macgregor
- O-002** A C-H coupling/ring transformation approach: synthesis of polyarylated arenes and natural products  
Junichiro Yamaguchi



**O-003** Gold-, platinum- and silver-catalyzed activation of alkynes – a journey in molecular diversity  
Veronique Michelet, Alexandre Pradal, Chung-Meng Chao, Serafino Gladiali, Patrick Toullec, Jean-Pierre Genet, Gaelle Mariaule, Gregory Newsome, Philippe Belmont, Emanuela Pietropaolo, Antonio Arcadi

**O-004** Titanium-catalyzed reductive umpolung reactions and their application in organic synthesis  
Jan Streuff

**O-005** Sustainable gold catalysis: synthesis of new spiroacetals  
Norbert Krause

12:35 - 13:05 **Recent Developments in Carbonylation Chemistry**

**Chairperson:** Agustí Lledós

**Speaker:** Troels Skrydstrup

13:05 - 15:00 **Lunch**

15:00 - 15:30 **Progress in Cobalt-Catalyzed C–H Functionalization**

**Chairperson:** Holger Butenschön

**Speaker:** Naohiko Yoshikai

15:30 - 16:00 **Palladium/Norbornene Catalysis for the Synthesis of Selectively Substituted Aromatics**

**Chairperson:** Josep Bonjoch

**Speaker:** Marta Catellani

16:00 - 17:00 **Oral Communications**

**Chairperson:** Kilian Muñiz

**O-006** Boremium cations: versatile reagents for the formation of aryl and vinyl boronate esters  
Michael Ingleson

**O-007** Ligand and mechanistic studies on the iridium-catalyzed, substrate-directed C–H borylation of benzylic amines  
Timothy Clark, Kathryn A. McGarry,  
Lillian V. A. Hale, Marissa A Ringgold, Clay M. Oliver

**O-008** Development of a complementary metalation strategy to directed ortho-metalation  
Charles O'Hara

**O-009** Reactivity and structure-building principles of icker base mixtures in May  
Carsten Strohm, Ulrike Kroesen, Stephan G. Koller, Kathrin Louven



17:00 - 17:50 RSEQ Plenary Lecture  
Metal-mediated C-N Bond Coupling in the Gas Phase: Experiment and Computational Chemistry in Concert  
**Chairperson:** Kilian Muñiz  
**Speaker:** Helmut Schwarz

17:50 - 20:00 POSTER SESSION

## Tuesday , June 30th

09:00 - 09:50 OMCOS Award Lecture  
Springer Plenary Lecture  
Development of New Transition Metal Catalyzed C-H Functionalization Reactions  
**Chairperson:** Antonio M. Echavarren & E. Peter Kündig  
**Speaker:** Melanie Sanford

09:50 - 10:20 Carbon-Nitrogen Bond Formation Reactions with Group 11-metal Based Catalysts  
**Chairperson:** Armin de Meijere  
**Speaker:** Pedro J. Pérez

10:20 - 10:50 Coffee break

10:50 - 11:20 Advances in the Catalytic Functionalization of Organoboron Compounds and the Application of Organoboranes as Catalysts  
**Chairperson:** Jennifer F. Schomaker  
**Speaker:** Cathleen M. Crudden

11:20 - 12:35 Oral Communications  
**Chairperson:** Antoni Riera

**O-010** Catalytic chemoselective conjugate addition of alcohol over amine  
Takashi Ohshima, Shuhei Uesugi, Zhao Li, Masa-michi Tamura, Ryo Yazaki

**O-011** Cooperative effects in catalysis of cycloisomerization reactions with 2-indendiide pincer complexes  
Noelangel Espinosa, Diandian Ke, Paul Brunel, Julien Monot, Blanca Martin Vaca, Didier Bourissou

**O-012** Reactivity of a nickel(II) bis-amide complex with hmcdba: formation of a formally nickel(IV) oxidizing species  
Anna Company, Teresa Corona, Florian Pfaff, Ferran Acuña-Parñes, Apparao Draksharapu, Julio Lloret-Fillol, Wesley R. Browne, Kallol Ray



**O-013** Enantioselective construction of 3-hydroxypiperidine skeletons by sequential actions of light and rhodium upon N-allylglyoxylamides

Naoki Ishida, David Nečas, Yusuke Masuda, Masahiro Murakami

**O-014** C-C and C-H functionalizations of carboxylic acids

Lukas Gooßen

12:35 - 13:05 [From Simple Hydrocarbons to N-containing Compounds through Nitrogenation Strategy](#)

**Chairperson:** Jérôme Waser

**Speaker:** Ning Jiao

13:05 - 15:00 [Lunch Box](#)

15:00 - 20:00 [Excursion / Free Time](#)

## Wednesday , July 1st

09:00 - 09:50 [RSEQ-CAT Plenary Lecture](#)  
[Catalytic Synthesis and Application of Allyl and Vinyl Boronates](#)

**Chairperson:** Alexandre Alexakis

**Speaker:** Kálmán J. Szabó

09:50 - 10:20 [Mechanistic Complexity in Metal Catalyzed Reactions](#)

**Chairperson:** Diego J. Cárdenas

**Speaker:** Cristina Nevado

10:20 - 10:50 [Coffee break](#)

10:50 - 11:20 [Transition Metal-Catalyzed Direct Carboxylation of sp<sup>2</sup>-C-H Bonds](#)

**Chairperson:** Pierre Dixneuf

**Speaker:** Nobuharu Iwasawa

11:20 - 12:35 [Oral Communications](#)

**Chairperson:** Miguel Angel Sierra

**O-015** Nickel(0)-catalyzed transformation reactions via aza-nickelacycle intermediates

Sensuke Ogoshi

**O-016** Catalytic C-H bond functionalizations: advantages of benzenesulfonyl chlorides as arylating agents

Jean-francois soule, M. Kedong Yuan, Henri Doucet

**O-017** Rhodium-catalyzed regioselective alpha-acylalkylation of aromatic C-H bonds with cyclic alkenyl carbonates

Fumitoshi Kakiuchi



**O-018** Recent advances in the regioselective palladium-catalyzed functionalization of imidazoles

Fabio Bellina, Marco Lessi, Laura Lodone, Chiara Manzini, Giulia Marianetti, Alessandro Panattoni, Luca Alessandro Perego, Cristofer Pezzetta

**O-019** Ruthenium-catalyzed synthesis of biologically relevant heterocycles through carbon-heteroatom bond formation

Martín Fañanás Mastral, Rodrigo Bernárdez, Damián Padín Santos, Jaime Suárez, Borja Pérez Saavedra, Jesús Varela, Carlos Saá

12:35 - 13:05 **Directing Sulfonyl Groups in C-H Activation and Alkyne Functionalization**  
**Chairperson:** Martin Kotora  
**Speaker:** Juan Carlos Carretero

13:05 - 15:00 Lunch

15:00 - 15:50 **GEQO Plenary Lecture**  
Old and New Metals for the Catalytic Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates  
**Chairperson:** Elena Fernández  
**Speaker:** Todd Marder

15:50 - 16:20 **Asymmetric Homogeneous Hydrogenation for the Production of Vitamins**  
**Chairperson:** Satoshi Minakata  
**Speaker:** Jonathan Medlock

16:20 - 17:20 **Oral Communications**  
**Chairperson:** Rubén Martín

**O-020** P-Block organometallic catalysis: considering phosphorus as a 'Metal'  
Alexander Radosevich

**O-021** Iron-catalyzed directed C-H bond activation  
Laurean Ilies, Eiichi Nakamura

**O-022** A new mode of long-range metal ligand cooperation in novel iron PCP-pincer complexes – synthesis and reactivity  
Alexander Dauth, David Milstein

**O-023** Gold and copper-catalyzed skeletal rearrangement of O-propargylic oximes  
Itaru Nakamura, Shinya Gima, Yu Kudo, Masahiro Terada



- 17:20 - 18:10 GEQOR Plenary Lecture  
A New Stage of Catalytic Functionalization of C-H Bonds  
**Chairperson:** Rubén Martín  
**Speaker:** Naoto Chatani
- 18:10 - 18:25 OMCOS 19  
**Chairperson:** Rubén Martín  
**Speaker:** Chulbom Lee
- 18:25 - 20:00 POSTER SESSION
- 21:00 - 00:00 BANQUET

## Thursday , July 2nd

- 09:00 - 09:50 BASF Plenary Lecture  
Gold Catalysis: Breaking and Forming C-H and C-C Bonds  
**Chairperson:** José Luis Mascareñas  
**Speaker:** A. Stephen K. Hashmi
- 09:50 - 10:20 Adventures in Organometallic Chemistry - Computation and Experiment  
**Chairperson:** Nicolai Cramer  
**Speaker:** Franziska Schoenebeck
- 10:20 - 10:50 Coffee break
- 10:50 - 11:20 Recent Developments in Palladium(0)-Catalyzed C(sp<sup>3</sup>)-H Functionalization  
**Chairperson:** John Montgomery  
**Speaker:** Olivier Baudoin
- 11:20 - 12:35 Oral Communications  
**Chairperson:** Eduardo Peris
- O-024** Transition metal catalyzed functionalization of Zuowei Xie
- O-025** Temperature-dependent switching of enantioselection in palladium-catalyzed asymmetric reactions  
Takeshi Yamamoto, Yuto Akai, Michinori Suginome
- O-026** Synphos and difluorphos in asymmetric catalysis synthetic applications  
Virginie Vidal, Zi Wu, Damien Cartigny, Farouk Berhal, Olivier Jackowski, Zhaoguo Zhang, Tahar Ayad, Jean Pierre Genet





**O-027** Nickel-catalyzed asymmetric hydrogenation reactions using formic acid  
Jianrong (Steve) Zhou

**O-028** Iron-Catalyzed C–H Amination of Aniline Derivatives  
Masaharu Nakamura, Yuma Aoki, Ryuji Imayoshi, Takuji Hatakeyama, Hikaru Takaya

12:35 - 13:25 **ICIQ SEVERO-OCHOA Plenary Lecture**  
Development of Direct C-H Amination Reactions  
**Chairperson:** Bruce H. Lipshutz  
**Speaker:** Sukbok Chang

13:25 - 14:00 **Poster Awards & Closing Ceremony**  
**Chairpersons:** Antonio M. Echavarren, E. Peter Kündig & Sukbok Chang



# Poster Presentations

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**P-001 Palladium-Mediated cascades : a powerful tool to access complex Polycycles**

Gaëlle Blond , Jean Suffert , Catherine Hulot , Mélanie Charpenay , Julien Petriguet

**P-002 Development of new catalytic systems for asymmetric hydrogenation of exotic substrates**

Oscar Pamies , Montserrat Diéguez

**P-004 Nickel-catalyzed synthesis of dialkyl ethers by C–C bond formation between acetals and aryl iodides**

Kevin Arendt

**P-006 Mechanistic elucidation of amine directed aliphatic C–H bond aziridination of highly substituted morpholinones**

Adam Smalley

**P-007 Preparation, characterization and catalytic properties of size selected platinum nanoclusters**

Mostafa Farrag

**P-008 Synthesis of new  $\eta^5$ -(cyclopentadienyl)-tricarbonylmanganese complexes of isoxazolidines**

Nataliya Zarovkina

**P-009 Combination of iron and organo-catalysis in enantioselective synthesis**

Quintard Adrien

**P-010 Gold-Catalysed C–H Arylation: new developments and insights**

Guy C Lloyd-Jones , Alex Cresswell

**P-012 Cu(I) Catalyzed reactions of silyboranes: from catalysis to mechanistic insight**

Christian Kleeberg

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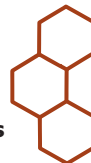
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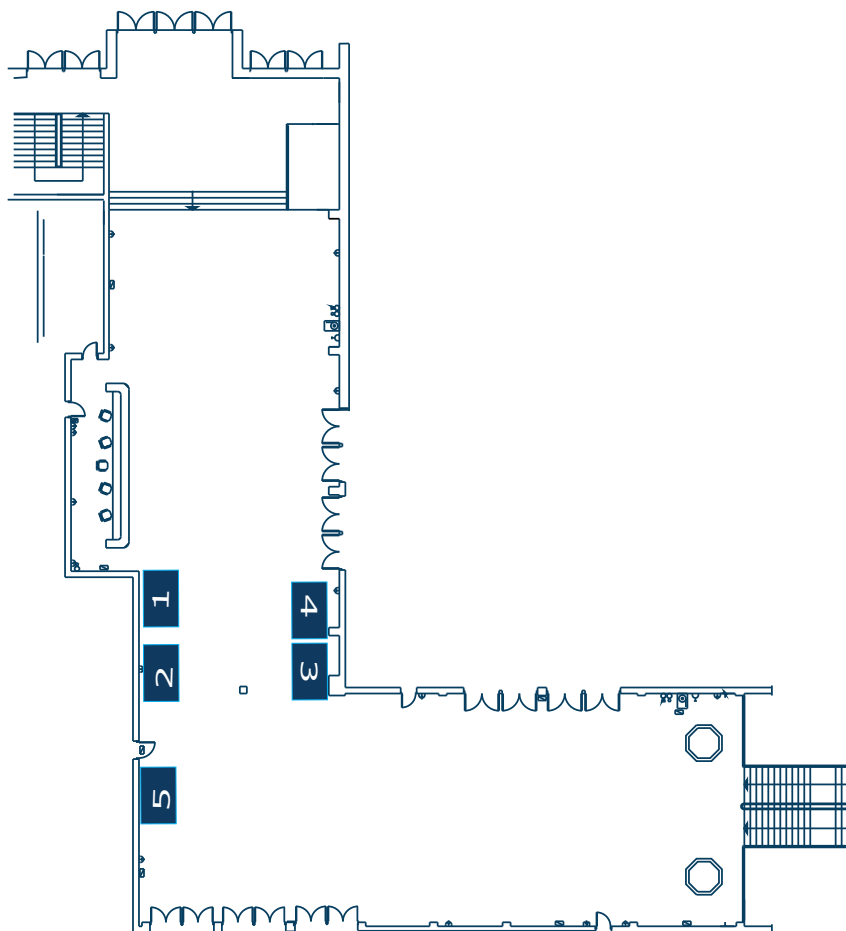
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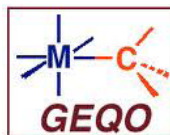
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