

2025 Barluenga Conference

Lectureship & Symposium, Oviedo, November 6-7, 2025



The Barluenga Conference is an annual scientific meeting held in honor to the late Professor José Barluenga, recognizing his pioneering contributions to Chemistry and his role in the advancement of Science in Spain. The conference features the "Barluenga Lectureship", awarded yearly to an exceptional scientist whose work has significantly impacted some area of Chemistry. The recipient of this award delivers a lecture and receives a commemorative medal in an event organized by the University of Oviedo (Spain). Other invited lectures are presented by renowned scientists in a symposium organized for the occasion. During the event, the recipient of the GQOR-Barluenga Medal receives the award and delivers a talk.

10th Barluenga Lectureship (2025)

Prof. Dr. Barbara Imperiali

Massachusetts Institute of Technology (Cambridge, USA)

Recipient of the GEQOR-José Barluenga-Medal 2025

Martín Fañanás-Mastral

All Ceremonies and Lectures are held in

Aula Magna de la Escuela Universitaria de Odontología

Facultad de Medicina y Ciencias de la Salud, Campus del Cristo (Universidad de Oviedo)

November 6, 2025 (Thursday)

09:15 Opening Ceremony

Coinciding with the 10th edition of the Barluenga Conference, a commemorative medal will be presented to the family of the late Professor Barluenga.

1st Morning Session Chairperson: Miquel Pericàs

09:30-10:00 **Géraldine Masson**, ICSN-CNRS (Gif-sur-Yvette, France)

Chiral Phosphoric Acid-Catalyzed Regio- and Stereocontrolled Diene and Triene Transformations for Complex Molecular Architectures

10:00-10:45 Short Oral Communications

- **O1: Montaña J. García**, Universidad Autónoma de Madrid (Spain)
Advancing Sustainable Synthesis of Spiro α -Butirolactones through Batch and Flow Electrochemistry
- **O2: Lucía Pedraza**, Universidad de Valladolid (Spain)
Synthesis of Tetrahydropyran–Ferrocene Derivatives via Silyl-Prins Cyclization for Breast Cancer Applications
- **O3: Miguel Claros**, HIMS-University of Amsterdam (The Netherlands)
Automated Platforms for Reaction Optimization: Merging Self-Driving Labs with Flow Photochemistry

10:45-11:15 Coffee break

2nd Morning Session Chairperson: Carlos Valdés

11:15-11:45 **José María Lassaletta**, IIQ-CSIC (Sevilla, Spain)

Dynamization as a Key Strategy for Atroposelective Catalysis

11:45-12:30 Short Oral Communications

- **O4: Leonardo Pagliano**, ICIQ (Tarragona, Spain)
Isoxazole Remodeling by a Rh-Catalyzed Single-Carbon Insertion
- **O5: Hugo Jiménez-Cristóbal**, CIQUS (Santiago de Compostela, Spain)
Regioselectivity Control in Gaseous Alkane Functionalization through Radical Locking

Johnson&Johnson Session Chairperson: Andrés Trabanco (Johnson&Johnson)

12:30-13:00 **Darren Dixon**, University of Oxford (UK)

Johnson&Johnson Lecturer
Catalyst Control in Complex Molecule Synthesis

13:00-15:00: Lunch

Lilly Session **Chairperson: Carlos Mateos (Lilly)**

15:00-15:30: **Bill Morandi**, *ETH (Zürich, Switzerland)*

Lilly Lecturer

New Concepts for Atom and Functional Group Transfer

Afternoon Session **Chairperson: Jesús Jiménez Barbero**

15:30-16:00 **Olalla Vázquez**, *Philipps Universität (Marburg, Germany)*

Illuminating Biology: Photosensitive Molecules as Triggers of Cellular Function

16:00-16:30 **Short Oral Communications**

- **O6: Álvaro Velasco-Rubio**, *ICIQ (Tarragona, Spain)*

Ni-Catalyzed Decarbonylative Hydroxylation with N₂O

- **O7: Sergio Fernández**, *Imperial College London (UK)*

Zwitterionic Pnictinidenes in Catalysis: Redox Hydrodefluorination and beyond

16:30-17:00 **Coffee break**

Evening Session **Chairperson: Rosario Fernández**

17:00-17:15 **2025 GEQOR José Barluenga Medal Ceremony**

17:15-17:45 **Martín Fañanás-Mastral**, *CIQUS (Santiago de Compostela, Spain)*

Recipient of the GEQOR-José Barluenga-Medal 2025

Catalytic Functionalization of Simple Hydrocarbons

November 7, 2025 (Friday)

Morning Session **Chairperson: Javier A. Cabeza**

09:30-10:00 **Miquel Costas**, *Universitat de Girona (Spain)*

Enantioselective Oxidation Catalysis with Minimalistic Models of Oxotransferases

10:00-10:30 **Jordi Burés**, *ICIQ (Tarragona, Spain)*

Better Reactions for Better Understanding

10:30-11:10 **Coffee break**

10th Barluenga Lecture

11:10-13:00 **Ceremony and Lecture**

Laudatio **Prof. Sonsoles Martín-Santamaría**

Prof. Dr. Barbara Imperiali, *Massachusetts Institute of Technology
(Cambridge, USA)*

Rolling out Glycan Biosynthesis: A Tale of Two Topologies

Previous Barluenga Lectureship Award Recipients

2014: **Manfred T. Reetz**, *Philipps-Universität Marburg (Germany)*

2015: **K. Peter C. Vollhardt**, *University of California, Berkeley (USA)*

2016: **François Diederich**, *ETH Zürich (Switzerland)*

2017: **Ben L. Feringa**, *University of Groningen (The Netherlands)*

2018: **Hisashi Yamamoto**, *Chubu University (Japan)*

2019: **Erick M. Carreira**, *ETH Zurich (Switzerland)*

2022: **Peter H. Seeberger**, *Max-Planck Institute for Colloids and Surfaces (Germany)*

2023: **Alois Fürstner**, *Max-Planck-Institut für Kohlenforschung (Germany)*

2024: **Stephen L. Buchwald**, *Massachusetts Institute of Technology (Cambridge, USA)*

Organizers

Departamento de Química Orgánica e Inorgánica

Instituto Universitario de Química Organometálica Enrique Moles

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