



Ischia Advanced School of Organic Chemistry

The Future of Organic Synthesis: Tools, Technologies, and Transformations

**September 17—21, 2026
Hotel Continental Ischia,
Ischia (Napoli, Italy)**

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P.G. Cozzi (Bologna)
L. Lattuada (Milano)
P. Manini (Napoli)
P. Melchiorre (Bologna)
C. Nativi (Firenze)
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Programme

Thursday 17

13:30 Registration

16:00 Opening

16:30 Chairperson: C. Nativi (Firenze, Italy)

H. Suga (Tokyo, Japan)

“Macrocyclic Peptides that Revolutionize the Peptide Therapeutics”

17:45 S. Riela (Catania, Italy)

“From Natural Nanotubes to Functional Platforms: Covalent Strategies for Halloysite-Based Hybrid Materials”

20:30 Welcome Party

Friday 18

09:00 Chairperson: P.G. Cozzi (Bologna, Italy)

V. Gouverneur (Oxford, UK)

“Fluorochemicals: the Future We Want”

10:15 F. Glorius (Münster, Germany)

“Arene Hydrogenation, Photocatalysis, Smart Screening and Data Science – Game Changing Technologies”

11:30 Coffee Break

12:00 Chairperson: F. Zanardi (Parma, Italy)

Young Fellow Contribution:

L. Capaldo (Parma, Italy)

“Shaping the Future of Mechanochemistry with High-Throughput Experimentation and Machine Learning”

12:30 Young Fellow Contribution:

C. Bonfio (Cambridge, UK)

“Shaping Early Life: the Chemistry of Primitive Compartments”

16:00 Poster Session

Coffee Break

Free Dinner

Saturday 19

- 09:00 Chairperson: M. Benaglia (Milano, Italy)
F. Gosselin (South San Francisco, USA)
"Merging Asymmetric Catalysis and Data Science for Efficiency and Selectivity in Process Chemistry"
- 10:15 E. Hevia (Bern, Switzerland)
"Unleashing the Power of Alkali-Metal Mediation for Arene Functionalisation and Catalysis"
- 11:30 Coffee Break
- 12:00 Special Tutorial Session:
F. Micoli (GSK, Siena, Italy)
"Design and Development of a Vaccine Against Shigella"
- 13:30 Lunch
- 15:00 Discussion leader: P. Tagari (Insitro, Newbury Park, USA)
Special Session:
"New Trends in Oncology Small Molecule Therapeutics"
A. Hager (Bayer Pharmaceuticals, Wuppertal, Germany)
"Drug Discovery – Why Strategy and Focus Matters"
M. Schade (AstraZeneca, Cambridge, UK)
"MedChem Design of PROTACs for the Clinic"
- 16:15 Coffee Break
- 16:45 S. Cotesta (Novartis Biomedical Research, Basel, Switzerland)
"Computational Chemistry in Drug Discovery"
J. Maxwell (Tango Therapeutics, Boston, USA)
"Oxamide-Based MTA-Cooperative PRMT5 Inhibitor Discovery Including Vopimetostat and TNG456"
- 19:30 Short Pizza Party
- 21:00 Chairperson: P. Melchiorre (Bologna, Italy)
Poster Selected Flash Communications
- 22:30 Special Presentation Workshop
F. Glorius (Münster, Germany)
"I have a dream!"

Sunday 20

- 09:00 Chairperson: L. Vaccaro (Perugia, Italy)
M.S. Sigman (Salt Lake, USA)
*“Developing Data Science and ML Tools
for Synthetic Chemists”*
- 10:15 S. Kara (Hannover, Germany)
*“Intensification of Biocatalytic Processes
Towards Industrial Volumetric Productivities”*
- 11:30 Coffee Break
- 12:00 Chairperson: L. Lattuada (Milano, Italy)
R. Luisi (Bari, Italy)
*“Integrating Chemical and Digital Technologies
to Explore New Chemical Space”*
- Free Time
- 20:30 Social Dinner

Monday 21

- 08:45 Chairperson: P. Melchiorre (Bologna, Italy)
D. Leonori (Aachen, Germany)
*“Novel Synthetic Methods Using Photochemistry
and Photocatalysis”*
- 10:00 T. Weil (Mainz, Germany)
“Integrating Soft and Living Matter”
- 11:15 Angewandte Chemie Award
Aldo Caputo Memorial Prize
- 11:45 Chairperson: C. Gennari (Milano, Italy)
D. Dixon (Oxford, UK)
*“Exploring and Exploiting New
Iminophosphorane Reactivity for Complex
Molecule Synthesis”*
- 13:00 Closing Remarks

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