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Ischia Advanced School of Organic Chemistry

The Moving Frontiers of Organic Synthesis

September 23—26, 2022
Hotel Continental Ischia,
Ischia (Napoli, Italy)

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Programme

Friday 23

- 13:00** Registration
- 15:30** Opening
- 16:00** Chairperson: G. Farinola (Bari, Italy)
A.H. Hoveyda (Chestnut Hill, USA)
“Catalytic Strategies for Precise Framework Editing”
- 17:15** A. Bernardi (Milano, Italy)
“Disrupting Glycan-Protein Interactions with Glycomimetic Molecules”
- 18:30** Coffee break
- 18:45** Chairperson: C. Trombini (Bologna, Italy)
Young fellow contribution: A. Milo (Beer Sheva, Israel)
“Controlling Secondary-Sphere Interactions in Organocatalysis”
- 19:15** Young fellow contribution: S. Meninno (Salerno, Italy)
“One-Pot Organocatalytic Routes to Nitrogen- and Sulfur-Containing Heterocycles”
- 20:45** Welcome Party

Saturday 24

- 09:00** Chairperson: M. Benaglia (Milano, Italy)
R. Martin (Tarragona, Spain)
“Ni-Catalyzed Functionalization of Strong Sigma Bonds”
- 10:15** O.C. Kappe (Graz, Austria)
“Going with the Flow – The Use of Continuous Processing in Organic Synthesis”
- 11:30** Coffee break
- 12:00** E.M. Carreira (Zürich, Switzerland)
“Discovery and Surprises with Target Oriented Synthesis”
- 13:30** Lunch

- 15:00** Chairperson: L. Lattuada (Milano, Italy)
D.W.C. MacMillan (Princeton, USA)
“The Development of New Photocatalytic Reactions of Utility to Chemists and Biologists”
- 16:15** A.K.H. Hirsch (Saarbrücken, Germany)
“Target-Based Anti-Infective Drug Discovery”
- 17:30** Poster Session
Coffee break
- 20:45** Social Dinner

Sunday 25

- 09:00** Chairperson: P.G. Cozzi (Bologna, Italy)
J. Bode (Zürich, Switzerland)
“Tailor-Made Proteins by Chemical Synthesis and Modification”
- 10:15** F. Schoenebeck (Aachen, Germany)
“Insight-Driven Strategies in Catalysis for Selective Functionalizations”
- 11:30** Coffee break
- 12:00** Discussion leader:
P. Tagari (Amgen, Thousand Oaks, USA)
Special Session:
“Topics in Medicinal Chemistry”
S. Glad (Amgen, Copenhagen, Denmark)
“Hit Identification and Medicinal Chemistry Optimization Using DNA-Encoded Library (DEL) Technologies”
G. Pairaudeau (Exscientia, Oxford, UK)
“The Use of Artificial Intelligence (AI) in Lead Optimisation and Synthesis”

- 13:30** Lunch
- 15:00** Chairperson: M. Taddei (Siena, Italy)
Selected oral communications
- 15:30** V. Molteni (San Diego, USA)
- 16:45** Coffee break
- 17:15** Chairperson: L. De Cola (Milano, Italy)
Alison Stoddart (Cambridge, UK)
“Nature Chemistry Tutorial”
- 18:00** M.J. Gaunt (Cambridge, UK)
- 21:45** Chairperson: P. Melchiorre (Tarragona, Spain)
Olon Session
Poster Selected Flash Communications
Aldo Caputo Memorial Prize

Monday 26

- 08:45** Chairperson: F. Zanardi (Parma, Italy)
M. Bradley (Edinburgh, UK)
“Using Photons to Image and Destroy Cancer – Exploiting the Interface of Organic Synthesis and Biology”
- 10:00** M. Bonchio (Padova, Italy)
“Supramolecular Architectures for Artificial Photosynthesis: the Quantasome Vision”
- 11:15** Coffee break
- 11:45** Chairperson: C. Gennari (Milano, Italy)
Y. Hayashi (Tohoku, Japan)
“Pot and Time Economies in the Total Synthesis”
- 13:00** Closing remarks