



UNIVERSITÀ DEGLI STUDI
DI MILANO
DIPARTIMENTO DI CHIMICA



Società Chimica Italiana
Divisione di Chimica
Organica



**XLVII "A. CORBELLA" INTERNATIONAL SUMMER
SCHOOL ON ORGANIC SYNTHESIS – ISOS 2023
Gargnano (Italy), Palazzo Feltrinelli
18th-22nd June 2023**



PROGRAMME OF LECTURES

Sunday 18th June

OPENING LECTURE ^a

18:00 **Ben L. Feringa** Dynamic Molecular Systems, from
University of Groningen Switches to Motors

19:30 **WELCOME COCKTAIL** ^b

SYNTHETIC METHODOLOGIES ^a

21:00 **Mark Lautens** Reversible Catalytic Reactions
University of Toronto

Monday 19th June

PREBIOTIC CHEMISTRY ^a

9:00 **Matthew Powner** On the Origins of Life:
University College an Organic Chemist's Perspective
London

ORGANIC SYNTHESIS IN CHEMICAL BIOLOGY ^a

09:55 **Jerome Waser** Hypervalent Iodine Reagents for
EPFL Lausanne Peptides and Proteins Modification

10:50 *Coffee break* ^b

SYNTHETIC METHODOLOGIES ^a

- 11:20 **Frank Glorius** University of Münster On Discovery and Sensitivity in (Photo)Catalysis
- 12:15 **Short oral communications** **O00a** (Glindemann); **O01** (Arellano-Reyes); **O02** (Molteni); **O03** (Lanfranco); **O04** (Cuccu)
- 13:05 *Lunch ^b*

SYNTHESIS OF FINE CHEMICALS ^a

- 14:30 **Jochen Burghart** Seagen International Gmbh Antibody-Drug Conjugates and Drug Linkers - the Assurance for Controlled Delivery of the Cytotoxic Drug
- 15:25 **Short oral communications** **O05** (Ruggeri); **O06** (Sinka); **O07** (Rosso); **O08** (Templ); **O09** (Fouad); **O10** (Angelini); **O11** (Sokolnicki)
- 16:35 *Coffee break ^b*
- 17:00 **POSTER SESSION (P-01 → P-42) ^b**
- 20:00 *Get Together ^b*

Tuesday 20th June

ANALYTICAL METHODS ^a

- 09:00 **Alba Silipo** University of Napoli NMR Approaches to Study Interactions Between Biomolecules

ARTIFICIAL INTELLIGENCE FOR ORGANIC SYNTHESIS ^a

- 09:55 **Bartosz A. Grzybowski** IBS, Korea; Polish Academy of Sciences Algorithmic Synthesis Planning and Reaction Discovery
- 10:50 *Coffee break ^b*
- 11:20 **Sara Szymkuć** Allchemy Inc *Keynote:* Case Studies in Computer Designed Synthesis Exploration
- 12:00 **Short oral communications** **O12** (Boselli); **O13** (Lonardi); **O14** (Kolman); **O15** (Slattery); **O16** (Manenti); **O17** (Destro)
- 13:00 *Lunch ^b*

ORGANIC SYNTHESIS IN CHEMICAL BIOLOGY ^a

- 14:30 **Guido Clever** TU Dortmund Structural and Functional Complexity via Metal-Mediated Self-Assembly
- 15:25 *Coffee break ^b*

- 16:00 **Problem Session** ^b
- 17:00 **POSTER SESSION (P-43 → P-85)** ^b -- followed by Free Dinner --
- 21:00 **Problem Correction** ^b
- 21:45 *After Dinner with local wine* ^b

Wednesday 21st June

ANALYTICAL METHODS ^a

- 09:00 **Francesco Ricci**
University of Roma
Tor Vergata
- Spatio-Temporal Control
of DNA-Based Reactions and Structures

SYNTHETIC METHODOLOGIES ^a

- 09:55 **Silvia Cauteruccio**
University of Milano
- Keynote:* Asymmetric Transition Metal
Catalysis Toward Screwshaped
Aromatic Compounds

10:30 *Coffee break* ^b

SYNTHESIS OF FINE CHEMICALS ^a

- 11:00 **Daniele Andreotti**
Aptuit - Evotec AG
- Application and New Orientation of
Organic Chemistry in the
Pharmaceutical Industries
- 12:00 **Short oral
communications**
- O00b** (De Berardinis); **O18** (Sorato);
O19 (Brucoli); **O20** (Brutiù);
O21 (Brufani); **O22** (Rovegno);
O23 (Pedrini)
- 13:10 *Lunch* ^b

-- Free afternoon & ISOS Board meeting --

Thursday 22nd June

PREBIOTIC CHEMISTRY ^a

- 9:00 **Steven A. Benner**
Foundation for Applied
Molecular Evolution
- Attacking Our Favorite Model
for Abiotic RNA Synthesis
- 09:55 **Raffaele Saladino**
University of Tuscia
- Keynote:* Prebiotic Organic Chemistry of
Formamide and the Origin Of Life in
Planetary Conditions:
What We Know and What is the Future
- 10:30 *Coffee break* ^b
- 11:00 **Short oral
communications**
- O24** (Regni); **O25** (Rodríguez);
O26 (Pinna); **O27** (de Ceuninck van
Capelle); **O28** (Ciber);
O29 (Bortolato); **O30** (Baldini);
O31 (Centrella); **O32** (Marrone)

13:00 *Lunch*^b

14:30 **Short oral communications**

O33 (Cabua); **O34** (Biedermann);
O35 (Oumayma); **O36** (Comparini);
O37 (White); **O38** (Pinosa)

15:00 *Coffee break*^b

SPECIAL SESSION^a

Gianfranco Pacchioni

16:00 University of Milano -
Bicocca

The Overproduction of Truth

ARTIFICIAL INTELLIGENCE FOR ORGANIC SYNTHESIS^a

Scott E. Denmark

16:55 University of Illinois at
Urbana-Champaign

Application of Chemoinformatics and
Machine Learning to Identify Highly
Enantioselective and General Catalysts

20:00 **AWARDS CEREMONY**^b

20:15 **SOCIAL DINNER**^b

^a held at the auditorium "Sala Castellani". ^b held at Palazzo Feltrinelli

