



UNIVERSITÀ DEGLI STUDI
DI MILANO
DIPARTIMENTO DI CHIMICA



Società Chimica Italiana
Divisione di Chimica
Organica



XLVI "A. CORBELLA" INTERNATIONAL SUMMER SCHOOL ON ORGANIC SYNTHESIS – ISOS 2022 Gargnano (Italy), Palazzo Feltrinelli 12th-16th June 2022



PROGRAMME OF LECTURES

Sunday 12th June

OPENING LECTURE

18:00 **Phil S. Baran** (*Webinar*)
The Scripps Research Institute Aiming for ideality in synthesis

19:30 **WELCOME COCKTAIL**

SPECIAL SESSION

21:00 **Pier Giorgio Cozzi**
University of Bologna Organocatalysis: back to the future

Monday 13th June

SYNTHETIC NANOSENSORS FOR IMAGING AND THERAPY

09:00 **Kevin Burgess**
Texas A&M University The how's and why's of tumor seeking dyes

10:00 **Giacomo Biagiotti**
University of Firenze *Keynote:* The breakthrough of nanomaterials: "Don't call me Carrier!"

10:40 *Coffee break*

NON CONVENTIONAL SYNTHETIC METHODS

- 11:10 **Giancarlo Cravotto** University of Torino Enabling technologies in green organic synthesis
- 12:10 **Short oral communications** **000** (Glindemann); **001** (Quach); **002** (Napolitano); **003** (Koščak); **004** (Pollastri)
- 13:00 *Lunch*

SYNTHESIS OF FINE CHEMICALS

- 14:30 **Mattia R. Monaco** Syngenta Crop Protection AG Crop protection research: from discovery to lead optimization
- 15:30 **Short oral communications** **005** (Valentini); **006** (Matišić); **007** (Vezzoni); **008** (Gandini); **009** (Marcantonio); **010** (Krstic); **011** (Lombardi); **012** (Manetto)
- 16:50 *Coffee break*
- 17:00 **Scientific Speed Dating 1**
- 20:00 **GET TOGETHER + POSTER SESSION**

Tuesday 14th June

SYNTHESIS OF FINE CHEMICALS

- 9:00 **Yi-Yin Ku** AbbVie Inc Process R&D Impacts Every Stage of Drug Development at Abbvie – Case Studies including Venetoclax and Novitoclax

NEW FRONTIERS IN STRUCTURAL ANALYSIS

- 10:00 **Silvia Bracco** University of Milano-Bicocca Dynamics and gas detection in nanoporous architectures by solid state NMR
- 11:00 *Coffee break*
- 11:30 **Lia Addadi** Weizmann Institute of Science Structural aspects of organic crystals in biomineralization and pathological crystallization

- 12:30 **Short oral communications** **O13** (Araszczuk); **O14** (Assoni); **O15** (Sangiorgio)
- 13:00 *Lunch*
- 14:30 **Short oral communications** **O16** (Camarero González); **O17** (Tricomi); **O18** (Mattellone); **O19** (Domahidy); **O20** (Monciatti); **O21** (Portolani); **O22** (Corrieri)
- 15:40 *Coffee break*
- 16:10 **PROBLEM SESSION**
- 17:40 **Scientific Speed Dating 2**
- 21:45 **PROBLEM CORRECTION**

Wednesday 15th June

NON CONVENTIONAL SYNTHETIC METHODS

- 9:00 **Timothy Noël** University of Amsterdam Innovation in synthetic methodology through the use of flow
- 10:00 **Vito Capriati** University of Bari *Keynote:* Nature-inspired solvents for the 21st century: challenges and opportunities in science and applications
- 10:40 *Coffee break*

SPECIAL SESSION

- 11:10 **Marta Da Pian** Elsevier BV Funding hacks for researchers: let's strive for excellence!
- 12:00 **Short oral communications** **O23** (Sharma); **O24** (Forchetta); **O25** (Ballarotto); **O26** (Colella); **O27** (Herbrik); **O28** (Fochetti); **O29** (Csomos); **O30** (Suigo); **O31** (Greco)
- 13:30 *Lunch*

-- Free afternoon & ISOS Board meeting --

Thursday 16th June

SYNTHESIS OF FLUORINATED MOLECULES

- 9:00 **Veronique Gouverneur** University of Oxford Late stage fluorination with metal alkali fluoride

10:00	Vittorio Pace University of Torino	<i>Keynote:</i> Designing new synthetic concepts for imparting molecular complexity leveraging on C-1 (fluorinated) units
10:40	<i>Coffee break</i>	
11:10	Tobias Ritter Max Planck Institute for Coal Research	Late-stage functionalizations
12:10	Short oral communications	O32 (Zeng); O33 (Li); O34 (Colarusso); O35 (Abdellaoui); O36 (Scheibelberger)
13:00	<i>Lunch</i>	
14:30	Short oral communications	O37 (Russo); O38 (Scaringi); O39 (Wegner); O40 (Veronesi); O41 (Loro); O42 (Cretella)
15:00	<i>Coffee break</i>	

SYNTHETIC NANOSENSORS FOR IMAGING AND THERAPY

16:00	Vincent Rotello <i>(Webinar)</i> University of Massachusetts Amherst	Nanoparticle-based nanozymes: harnessing the power of transition metal catalysis for biorthogonal chemistry
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SYNTHETIC METHODOLOGIES

17:00	Ilan Marek Israel Institute of Technology	Nucleophilic substitution at quaternary carbon stereocenter
20:15	DINNER AT "PALAZZO FELTRINELLI"	