

XLVI "A. CORBELLA" INTERNATIONAL SUMMER SCHOOL ON ORGANIC SYNTHESIS – ISOS 2022 12th – 16th June 2022

ORGANIZING COMMITTEE

L. Lay, A. Casnati, V. Conte, A. Dal Corso, D. Montesarchio, M. Pineschi, J. Roletto

PROGRAMME OF LECTURES

OPENING LECTURE

Phil S. Baran (The Scripps Research Institute)

Webinar: aiming for ideality in synthesis

SYNTHETIC METHODOLOGIES

Ilan Marek (Israel Institute of Technology)

Nucleophilic substitution at quaternary carbon stereocenter

SYNTHETIC NANOSENSORS FOR IMAGING AND THERAPY

Kevin Burgess (Texas A&M University)

The how's and why's of tumor seeking dyes

Vincent Rotello (University of Massachusetts Amherst)

Using the power of organic synthesis

for engineering the interactions

of nanoparticles and polymers with biological systems

The breakthrough of nanomaterials: "Don't call me Carrier!"

Keynote: Giacomo Biagiotti (University of Florence)

SYNTHETIC OF FLUORINATED MOLECULES

Veronique Gouverneur (University of Oxford)

Late stage fluorination with metal alkali fluoride

Tobias Ritter (Max Planck Institute for Coal Research)

Late-stage functionalizations

Keynote: Vittorio Pace (University of Turin)

Designing new synthetic concepts for imparting

molecular complexity leveraging on C-1 (fluorinated) units

NON-CONVENTIONAL SYNTHETIC METHODS

Timothy Noël (University of Amsterdam)

Innovation in synthetic methodology through the use of flow

Giancarlo Cravotto (University of Turin)

Enabling technologies in green organic synthesis

Keynote: Vito Capriati (University of Bari)

Nature-inspired solvents for the 21th century:

challenges and opportunities in science and applications

SYNTHESIS OF FINE CHEMICALS

Yi-Yin Ku (AbbVie Inc)

Process R&D impacts every stage of drug development

Mattia R. Monaco (Syngenta Crop Protection AG)

at Abbvie: case studies including Venetoclax

Crop protection research: from discovery to lead optimization

NEW FRONTIERS IN STRUCTURAL ANALYSIS

Lia Addadi (Weizmann Institute of Science)

Structural aspects of organic crystals

in biomineralization and pathological crystallization

Silvia Bracco (University of Milan-Bicocca)

Dynamics and gas detection in nanoporous architectures

by solid state NMR

SPECIAL SESSION

Pier Giorgio Cozzi (University of Bologna)

Organocatalysis: back to the future

Marta Da Pian (Elsevier BV)

Funding hacks for researchers: let's strive for excellence!