

International Young Investigator Symposium on Organic Synthesis PROGRAMME

FRIDAY 27 AUGUST 2021

Session 1

Chair: Evelina Colacino (*Universite de Montpellier*)

10:00-10:15	<p>Sofiadis Manolis, <i>University of Crete, Greece and The Scripps Research Institute, USA</i></p> <p>Organocatalyzed Derivatization of Cyclopent-2-enones with 2-Enals</p>
10:15-10:30	<p>Lefebvre Corentin, <i>Catholic University of Louvain, Belgium</i></p> <p>UV and Visible-light Photoinduced Hydrogen Atom Transfer: From Intramolecular Radical Cyclization with Imines to Valorization of Cellulosic Biomass with Levoglucosenone</p>
10:30-10:45	<p>Nikitas Nikolaos, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>Thioxanthen-9-one: A Powerful Organocatalyst for Photochemical Organic Transformations</p>
10:45-11:00	<p>Charitou Anastasios, <i>University of Manchester, UK</i></p> <p>Asymmetric Metal-free Electrosynthesis of Biaryl Atropisomers</p>
11:00-11:15	<p>Aydonat Simay, <i>Bilkent University, Turkey</i></p> <p>Mechanochemical Generation of Singlet Oxygen</p>
11:15-11:30	<p>Karadendrou Maria-Anna, <i>National Technical University of Athens, Greece</i></p> <p>Promoting Novel Green Synthetic Protocols of Carbon-Carbon Bond Formation Reactions using Solvents from the Natural Pool</p>
11:30-11:35	<p>Body Nathalie, <i>Catholic University of Louvain, Belgium</i></p> <p>Photocatalysts' Heterogenization on Nanostructured Silica for Applications in Organic Synthesis</p>

11:35-11:40	<p>Triandafillidi Ierasia, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>Aldehyde-Catalyzed Epoxidation of Unactivated Alkenes with Aqueous Hydrogen Peroxide</p>
11:40-11:45	<p>Pitterou Ioanna, <i>National Technical University of Athens, Greece</i></p> <p>Alginate-based Hydrogel containing Lavender and Mentha Essential Oil – Loaded Chitosan Nanoparticles using Natural Deep Eutectic Solvents</p>
11:45-11:50	<p>Patiniotis Konstantinos, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>Investigation of a Synthetic Methodology for the Late-Stage Diversification of Phosphinic Peptides</p>
11:50-11:55	<p>Galathri Eirini, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>Photochemical Friedel-Crafts Alkylation of Indoles Utilizing Thioxanthone as the Catalyst</p>
Break	
Session 2	
Chair: Dimitris Georgiadis (<i>National and Kapodistrian University of Athens</i>)	
12:30-12:45	<p>Tzaras Dimitrios Ioannis, <i>Technical University of Berlin, Germany</i></p> <p>A Bifunctional Copper Catalyst Enables Ester Reduction with H₂</p>
12:45-13:00	<p>Gkizis Petros, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>PhCOCOOH-mediated Photochemical Reactions: Mechanistic insights</p>
13:00-13:15	<p>Fasano Valerio, <i>University of Bristol, UK</i></p> <p>Divergent, Stereospecific Mono- and Difluoromethylation of Boronic Esters</p>

13:15-13:30	Kaplaneris Nikolaos , <i>Georg-August-University of Göttingen, Germany</i> Manganese(I)-Catalyzed C–H Diversification of Peptides
13:30-13:45	Lelis Aggelos , <i>National and Kapodistrian University of Athens, Greece</i> An Aziridine-based Late Stage Diversification Approach for the Exploration of the P1 Position of Phosphinic Peptides
13:45-14:00	Iordanidis Nicolaos , <i>Aristotle University of Thessaloniki, Greece</i> Continuous Flow Organocatalytic Chlorination of Alkenes
14:00-14:15	Pepe Dionissia , <i>University College Dublin, Ireland</i> Methodology Development for Glycosylation Reactions
14:15-14:20	Spiliopoulou Nikoleta , <i>National and Kapodistrian University of Athens, Greece</i> Photochemical Synthesis of Acetals utilizing Schreiner's Thiourea as the Catalyst
14:20-14:25	Leitourgaki Roza , <i>National and Kapodistrian University of Athens, Greece</i> Microwave-assisted Synthesis of γ -Lactones using NHC Organocatalysts
14:25-14:30	Petsi Marina , <i>Aristotle University of Thessaloniki, Greece</i> 2,5-Diketopiperazine Catalysts as Activators of Dioxygen in various Oxidative Processes
Break	
Session 3	
Chair: Christoforos Kokotos (<i>National and Kapodistrian University of Athens</i>)	
15:00-15:15	Saridakis Iakovos , <i>University of Vienna, Austria</i> Total Synthesis of FR252921 and Analogues: New Era in Immunosuppression?

15:15-15:30	<p>Koutoulogenis Georgios, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>Peptide Nitroalkenes: A Novel Class of SARS-CoV-2 Main Protease Inhibitors</p>
15:30-15:45	<p>Koyioni Maria, <i>University of Cyprus, Cyprus</i></p> <p>Synthesis of Canthin-4-one and Isocanthin-4-ones via B Ring Construction</p>
15:45-15:50	<p>Mantzourani Christiana, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>Benzoxazole-based Vorinostat Analogs are Potent Inhibitors of HDACs Exhibiting Antiproliferative Activity</p>
15:50-15:55	<p>Kalospyros Alexandros, <i>National Technical University of Athens, Greece</i></p> <p>Design, Synthesis and Biological Evaluation of Novel Coumarin Analogues as Potent Acetylcholinesterase Inhibitors</p>
15:55-16:00	<p>Mountanea Olga, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>Synthesis of a Library of Fatty Acid Esters of Hydroxy Fatty Acids (FAHFAs)</p>
16:00-16:05	<p>Skolia Elpida, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>Photochemical Activation of Aromatic Aldehydes: Synthesis of Amides, Hydroxamic Acids and Esters</p>
16:05-16:10	<p>Athanasoulis Alexandros, <i>National and Kapodistrian University of Athens, Greece</i></p> <p>Design, Synthesis and Biochemical Evaluation of α-Hydroxy-β-amino-acid based Inhibitors for the M1 Family of Zinc Aminopeptidases</p>
16:10-16:15	<p>Toumpa Dimitra, <i>University of Patras, Greece</i></p> <p>Synthesis of Novel Artemisinin Hybrids and Conjugates with Potent Antimalarial Activity</p>
16:15-16:20	<p>Karadendrou Maria-Anna, <i>National Technical University of</i></p>



Athens, Greece

Novel Quinolinone-triazole Hybrids Synthesized through Click
Huisgen Cycloaddition Reaction