



Synthesis&Catalysis Workshop 2024

Program

Thursday 24th October

08H30-09H00	Registration
09H00-09H20	Welcome Session Prof. Dr. Maria Manuel Marques – Chemistry Department <i>NOVA School of Science and Technology</i> Prof. Dr. Eurico Cabrita – Vice-Dean Innovation and Research <i>NOVA School of Science and Technology</i>
<i>Chair: Prof. Dr. Maria Manuel Marques/ Rita Reis</i>	
09H20-10H10	PL1 <i>Your Chemistry has got Potential: Highly reactive intermediates without the “bang”</i> Prof. Dr. Kevin Lam <i>The University of Greenwich, School of Science.</i>
10H10-10H20	OC1 <i>“Novel triazole-containing isonucleotide analogs based on D-glucopyranuronamide units endowed with biological activity”</i> Domingos Morais Manuel, CQE, FCUL
10H20-10H30	OC2 <i>“Molybdenum and Tungsten Catalyzed Acceptorless Dehydrogenation of Alcohols for the Synthesis of Quinolines”</i> Beatriz Garcia, ITQB NOVA
10H30-10H40	OC3 <i>“Sustainable Catalysis: Enhancing Suzuki Coupling with Micellar Chemistry”</i> Lucas Prado, Hovione
10H40-11H10	<i>Coffee-Break</i>
11H10-11H20	OC4 <i>“Constructing hollow N, P co-doped carbon-Ni₂P nanostructures: Green strategy for P-containing catalysts in water electrolysis”</i> Pablo Arévalo Cid, ICP-CSIC
11H20-11H30	OC5 <i>“A New Synthetic Approach to 2-Arylquinolines via Palladium-Catalyzed C-H Activation”</i> Nuno Viduedo, LAQV-REQUIMTE, FCT NOVA
11H30-11H40	OC6 <i>“Unravelling the Synthesis of 3-Aminopyridines through re-engineered Kröhnke Reaction”</i> Telmo Neves Francisco, LAQV-REQUIMTE, UA
11H40-11H50	OC7 <i>“Functional nucleic acids catalysts in non-conventional solvents”</i> Bruna Guerreiro, IMed, FFUL
11H50-12H00	OC8 <i>“In Vitro Antimicrobial Studies of Mesoporous Silica Nanoparticles and Ionic Liquids and Organic Salts”</i> Luís Filipe, LAQV-REQUIMTE, FCT NOVA
12H00-14H00	<i>Lunch</i>
<i>Chair: Prof. Dr. Maria Manuel Marques/ Catarina Cipriano</i>	
14H00-14H50	PL2 <i>Catalysis to increase complexity: stereoselective synthesis of sp³-rich building blocks - Online</i> Prof. Dr. Mariola Tortosa <i>Universidad Autónoma de Madrid</i>

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14H50-15H00	OC9 <i>"Copper-Catalyzed Electrophilic Amination of Arylzinc Pivalates mediated by N-based Hypervalent Iodine(III) Reagents"</i> Ana Cláudia Ribeiro Negrão, LAQV-REQUIMTE, FCT NOVA
15H00-15H10	OC10 <i>"Electrochemical Oxidation of Abietanes using Continuous-Flow"</i> Inês Martins, IMed, FFUL
15H10-15H20	OC11 <i>"Sml2 Production: A PAT & Safety-Driven Approach"</i> Lucinda Conceição, Hovione
15H20-15H40	<i>Coffee-Break</i>
15H40-15H50	OC12 <i>"Chan-Evans-Lam reaction using arylalkenyl boron reagents and (hetero)aryl amides towards N-Heterocycles"</i> Joana R. M. Ferreira, LAQV-REQUIMTE, UA
15H50-16H00	OC13 <i>"Easy access to functionalized sparteine derivatives via electrochemical cyanation in batch and in flow of quinolizidine alkaloids"</i> Raquel M. Durão, IMed, FFUL
16H00-16H10	OC14 <i>"High pressure reaction kinetic modeling: leveraging single data-rich experiment"</i> Pedro Jorge, Hovione
16H10-16H20	OC15 <i>"Sustainable synthesis of defective UiO-66 for enhanced CO₂ capture and valorization"</i> Simone C. Fernandes, LAQV-REQUIMTE, FCUP
16H20-16H30	OC16 <i>"Total synthesis of (-)-Agelastatin A"</i> J. R. Vale, IMed, FFUL
16H30-16H40	OC17 <i>"Incorporating Deep Eutectic Solvents into Pharmaceutical Synthesis: Paving the Way for Sustainable Production"</i> Ana Rita Jesus, LAQV-REQUIMTE, FCT NOVA

Friday 25th October

Chair: Prof. Dr. Maria Manuel Marques/ Catarina Cipriano

09H00-09H50	PL3 <i>New catalytic reactions for and with sulfur functional groups - Online</i> Prof. Dr. Michael C. Willis <i>Department of Chemistry, University of Oxford</i>
09H10-09H20	OC18 <i>"Expanding the Reactivity of Hypervalent Iodine(III) Reagents: Electrophilic Amination of Sulfenate Salts"</i> Beatriz Dedeiras, LAQV-REQUIMTE, FCT NOVA
09H20-09H30	OC19 <i>"Sustainable scale-up of Suzuki-Miyaura cross-coupling reaction in the Pharmaceutical Industry"</i> Luís Gaspar de Sousa, Hovione
09H30-10H20	OC20 <i>"Synthesis of Triazolylidene Nickel Complexes and Catalytic Cycloaddition of CO₂ to Epoxides"</i> Maria S. Viana, ITQB NOVA
10H20-10H30	OC21 <i>"Pd-catalyzed Cycloaddition of Bicyclic Aziridines and Isocyanates"</i> Mariana Monteiro, IMed, FFUL
10H30-11H00	<i>Coffee-break</i>

Chair: Prof. Dr. Maria Manuel Marques/ Rita Reis

11H10-11H50	PL4 <i>Continuous Flow Technology for Challenging Applications in Synthetic Organic Chemistry - Online</i> Prof. Dr. Jean-Christophe Monbaliu <i>MolSys Research Unit University of Liège and WEL Research Institute</i>
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11H50-12H35	Round Table <i>Boost your career opportunity with chemical technology!</i> Carlos Monteiro - Coordinator ASCENZA Portugal Nuno Lousa Pereira - Group Leader Chemical Process Safety & Engineering Hovione Kevin Lam - Prof of electrochemistry Univ. of Greenwich Eurico Cabrita - Vice-Dean Innovation and Research FCT NOVA Luís Branco - Professor, Chemistry Department FCT NOVA
12H35	Closing Session