


# Detailed Program

Wednesday, the 17<sup>th</sup> of January 2018

9:00		Registration
9:45		Opening Ceremony
<b>SESSION 1</b> Chaired by: <b>Augusto Tomé</b> and <b>Carlos Afonso</b> Supported by: 		
10:15	<b>PL1</b>	Useful Synthetic Tools to Access Diversely Substituted Heterocycles <b>Janine Cossy</b> Laboratoire de Chimie Organique, ESPCI Paris, France
11:00		Coffee Break
11:30	<b>KN1</b>	Light on Chemistry <b>João P. C. Tomé</b> CQE, Departamento de Engenharia Química, IST, Universidade de Lisboa, Portugal
12:00	<b>IOC1</b>	Squaraine dyes as potential photosensitizers for PDT and as fluorescent probes for albumines <b>Lucinda Reis</b> CQ-VR and Department of Chemistry, University of Trás-os-Montes e Alto Douro, Vila Real, Portugal
12:15	<b>IOC2</b>	Organic fluorophores: synthesis, intrinsic properties, interactions and applications <b>Samuel Guieu</b> QOPNA and CICECO – Aveiro Institute of Materials, Department of Chemistry, University of Aveiro, Portugal
12:30		Signature of the cooperation agreement between EuCheMS and SPQ concerning the preparation and organization of the 8 <sup>th</sup> EuCheMS Chemistry Congress <b>Pilar Goya</b> (President EuCheMS) and <b>Artur Silva</b> (President SPQ).
12:45		Lunch
<b>SESSION 2</b> Chaired by: <b>Fernanda Proença</b> and <b>Marta Piñeiro</b>		
14:30	<b>PL2</b>	Photodynamic Therapy: Opportunities with Near Infrared Photosensitizers <b>Luís G. Arnaut</b> CQC and Department of Chemistry, University of Coimbra, Portugal




15:15	<b>OC1</b>	<p>Batch versus Flow Photochemistry for the synthesis of bicyclic-aziridines from pyridinium salts: A Comparison of Productivity and Yield</p> <p><b>F. Siopa</b> iMed.Ulisboa, Faculty of Pharmacy, University of Lisbon, Portugal</p>
15:30	<b>OC2</b>	<p>New functional group transfer reactions: the power of benziodoxole-derived reagents</p> <p><b>M. Manuel B. Marques</b> LAQV-Requimte, Department of Chemistry, Faculty of Sciences and Technology, New University of Lisbon, Portugal</p>
15:45	<b>OC3</b>	<p>Lewis acid promoted fast and efficient synthesis of <i>trans</i>-4,5-diamino-cyclopent-2-enones in aqueous media as an environmentally friendly procedure and potential new platform for chemical biology</p> <p><b>Rafael F. A. Gomes</b> iMed.Ulisboa, Faculty of Pharmacy, University of Lisbon, Portugal</p>
16:00		<p>Coffee Break and <b>Poster session 1</b> <b>P1 – P58</b></p>
17:00	<b>KN2</b>	<p>Revealing Hidden Reactivity of Azolium-Based Ionic Liquids</p> <p><b>Paula S. Branco</b> LAQV-REQUIMTE, Departamento de Química, Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa, Portugal</p>
17:30		Meetings of the Organic Chemistry and Medicinal Chemistry Divisions
18:00		<b>Welcome Reception</b>



Thursday, the 18<sup>th</sup> of January 2018

**SESSION 3**

Chaired by: **Elisa Serra** and **Rui Moreira**

Supported by:  **BSIM**<sup>2</sup>


9:00	<b>PL3</b>	The Development of Potent CREBBP Bromodomain Ligands <b>Stuart J. Conway</b> Department of Chemistry, University of Oxford, UK
9:45	<b>KN3</b>	Controlled Polymerization Processes: A Useful Tool in Health Sciences <b>Arménio C. Serra</b> University of Coimbra's Centre for Mechanical Engineering, Materials and Processes, Department of Chemical Engineering, University of Coimbra, Portugal
10:15	<b>IOC3</b>	Discovery of 2-thioxothiazolidin-4-ones as potent transthyretin stabilizers: a story of pride and prejudice in the quest for a better drug <b>Carlos J. V. Simões</b> CQC, Department of Chemistry, University of Coimbra, Portugal and BSIM <sup>2</sup>
10:30	<b>IOC4</b>	Novel Nucleoside Analogs Containing Triazole or Theobromine Units as Promising Lead Compounds for Alzheimer's Disease <b>Nuno Manuel Xavier</b> Centro de Química e Bioquímica, Faculdade de Ciências, Universidade de Lisboa, Portugal
10:45	<b>OC4</b>	New mitochondrial electron transport inhibitors with dual-stage activity against malaria parasites <b>Gustavo da Silva</b> iMed.Ulissboa, , Faculty of Pharmacy, University of Lisbon, Portugal
11:00		Coffee Break
11:30	<b>KN4</b>	Fun with Cyclizations: Accessing Heterocyclic Bioactive Compounds via New Methodologies <b>Anthony J. Burke</b> Department of Chemistry, University of Évora, School of Science and Technology, Portugal
12:00	<b>OC5</b>	Synthesis of novel pyrazinotriazolopyrimidinones and triazolylthienopyrazines <b>Maria João R. P. Queiroz</b> Departamento/Centro de Química da Universidade do Minho, Braga, Portugal
12:15	<b>OC6</b>	Selective, orthogonal, and interactive modification of cysteines with 2-Formylbenzeneboronic acids (2FBBA) and maleimides <b>H. Faustino</b> iMed.Ulissboa, Faculty of Pharmacy, University of Lisbon, Portugal



12:30 Lunch

**SESSION 4**

Chaired by: **Madalena Pinto** and **Maria Santos**

Supported by: 

14:30 **PL4** Chromones: synthesis and transformations in other bioactive nitrogen and oxygen heterocyclic compounds  
**Artur M. S. Silva**  
QOPNA & Department of Chemistry, University of Aveiro, Portugal

15:15 **OC7** Advances on Photodynamic Therapy of Cancer Through Novel Ring-Fused 5,15-Diphenylchlorins  
**Nelson A. M. Pereira**  
CQC and Department of Chemistry, University of Coimbra, Portugal

15:30 **OC8** The footprint of organic chemistry in the synthesis of xanthone and acridone scaffolds  
**Djenisa H. A. Rocha**  
Department of Chemistry & QOPNA, University of Aveiro, Portugal

15:45 **OC9** Perylenediimides as building blocks for functional nanomaterials  
**Carlos Baleizão**  
CQFM-Centro de Química-Física Molecular and IN-Institute of Nanosciences and Nanotechnology, Instituto Superior Técnico, Universidade de Lisboa, Portugal

16:00 Coffee Break and **Poster session 2**  
**P59 – P124**

17:00 **KN5** Discovery and Development of Opicapone: a Novel COMT Inhibitor for the Treatment of Parkinson's Disease  
**László E. Kiss**  
BIAL, Trofa, Portugal

17:50 **Awards of the Organic Chemistry and Medicinal Chemistry Divisions 2017**

18:15 **AOC** Development of a synthetic toolkit for bioapplications  
**Alexandre F. Trindade**  
iMed.UlIsboa, Faculdade de Farmácia, Universidade de Lisboa, Portugal

18:30 **Social Program**

20:00 **Conference Dinner**



Friday, the 19<sup>th</sup> of January 2018

**SESSION 5**

Chaired by: **Pedro Góis** and **Paula Gomes**

Supported by: 

9:00	<b>PL5</b>	Gold Catalysis – New Ways for Organic Reactions <b>A. Stephen K. Hashmi</b> Organisch-Chemisches Institut, Heidelberg University, Germany
9:45	<b>KN6</b>	<i>In Silico</i> identification of small-molecule proteasome inhibitors: Progressing towards the dream <b>Rita C. Guedes</b> iMed.Ulisboa, Faculty of Pharmacy, University of Lisbon, Portugal
10:15	<b>IOC5</b>	New Purine Derivatives: Synthesis and SAR study in <i>Mycobacterium tuberculosis</i> <b>M. A. Carvalho</b> Chemistry Research Center, School of Sciences, University of Minho, Braga, Portugal
10:30	<b>IOC6</b>	Quantum Tunneling in Chemistry: 2-Formylphenylnitrene - A Tale of Two "Impossible" Reactions <b>Cláudio M. Nunes</b> CQC, Department of Chemistry, University of Coimbra, Portugal
10:45	<b>OC10</b>	Finding new inhibitors of the 20S proteasome: computer-aided drug design methodologies and biological evaluation of the selected compounds <b>R. A. Guedes</b> iMed.Ulisboa, Faculdade de Farmácia da Universidade de Lisboa, Portugal
11:00		Coffee Break
11:30	<b>KN7</b>	Chemical and Physico-Chemical Properties of Flavylum Derivative Compounds: Putative Industrial Applications <b>Victor de Freitas</b> REQUIMTE/LAQV, Departamento de Química e Bioquímica, Faculdade de Ciências, Universidade do Porto, Portugal
12:00	<b>OC11</b>	Enantioselective Ethylation of Aldehydes Assisted by Chiral Thiazolidines: Catalytic Parameters and Ligand Scope <b>Nélia C. T. Tavares</b> CQC and Department of Chemistry, University of Coimbra, Portugal



12:15	<b>OC12</b>	Selenoesters and selenoanhydrides: promising selenocompounds against cancer and against bacterial and viral infections <b>Enrique Domínguez-Álvarez</b> Instituto de Química Orgánica General, Spanish National Research Council (IQOG-CSIC), Madrid, Spain
12:30	Lunch	
<b>SESSION 6</b>		
Chaired by: <b>Jorge Salvador</b> and <b>Emília Sousa</b>		
14:30	<b>PL6</b>	Expanding the medicinal chemistry toolbox against neurodegeneration: multi-target, theranostic and sustainable small molecules <b>Maria Laura Bolognesi</b> Department of Pharmacy and Biotechnology, University of Bologna, Italy
15:15	<b>OC13</b>	Selecting the right tools in drug discovery: lipophilicity determination using biomimetic models <b>Daniela R. P. Loureiro</b> Department of Chemical Sciences, Laboratory of Organic and Pharmaceutical Chemistry, Faculty of Pharmacy, University of Porto, Portugal.
15:30	<b>OC14</b>	Design, synthesis and biological evaluation of novel celastrol derivatives as potent and selective cytotoxic compounds <b>Sandra A. C. Figueiredo</b> Laboratory of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Coimbra, Portugal
15:45	<b>KN8</b>	Minimizing adverse drug reactions induced by chronic therapies <b>Alexandra M. M. Antunes</b> Centro de Química Estrutural, Instituto Superior Técnico, Universidade de Lisboa, Portugal
16:15	<b>Awards Ceremony</b>	
16:45	<b>Closing Ceremony</b>	

