

Program Overview

Monday, 22 January 2024	
Time (h)	University of Algarve, Grande Auditório Caixa Geral de Depósitos
9:00-10:45	Registration
10:45-11:15	<p>Opening Ceremony</p> <p>Maria Lurdes Cristiano (UAlgarve) - Chairperson of the 15th National Organic Chemistry Meeting (15th ENQO) and National Medicinal Chemistry and Biological Meeting (8th ENQT)</p> <p>Carlos Afonso (FFUL) - Chairperson & President of the Organic Chemistry Division</p> <p>Maria Amparo F. Faustino (UA) - Chairperson & President of the Medicinal Chemistry Division</p> <p>Joaquim Faria - Presidente da Sociedade Portuguesa de Química</p> <p>Carlos Guerrero - Diretor da Faculdade de Ciências e Tecnologia da Universidade do Algarve</p> <p>Nuno Bicho - Vice-Reitor da Universidade do Algarve</p>
CHAIRS:	Artur M. S. Silva
11:15-12:00	<p>PL1 - Going with the flow – The use of continuous processing in organic synthesis</p> <p><i>C. Oliver Kappe, Institute of Chemistry, University of Graz, Heinrichstrasse 28, Graz, Austria</i></p>
12:00-12:45	<p>PL2 - New reactions and structures involving main group elements: from hypervalent iodane rearrangements to novel borylated skeletons</p> <p><i>Ana B. Cuenca, BISi-Bonds/CRISOL group, Dept. of Organic and Pharmaceutical Chemistry, Institut Químic de Sarrià, Universitat Ramon Llull, Via Augusta 390, 08017 Barcelona, Spain</i></p>
12:45-14:30	Lunch Break
CHAIRS:	Emilia Sousa and Rui Moreira
14:30-15:15	<p>PL3 - Chemical biology for drug discovery</p> <p><i>Edward Tate, Department of Chemistry, Molecular Sciences Research Hub, London, W12 0BZ and The Francis Crick Institute, 1 Midland Rd, London NW1 1AT, UK</i></p>
15:15-15:35	<p>KN1 - Design, synthesis and <i>in vitro</i> evaluation of a series of endoperoxide hybrids designed to tackle latent tuberculosis</p> <p><i>Patrícia Sofia Menalha Amado, Center of Marine Sciences, University of Algarve, P-8005-039 Faro, Portugal</i></p>
15:35-15:55	<p>KN2 - Designing bioconjugates and nanomaterials for enhanced photodynamic therapy</p> <p><i>João Paulo Costa Tomé, Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais, 1049 001 Lisboa, Portugal</i></p>
15:55-16:15	<p>KN3 - Mechanochemistry: in search of sustainable methods for the synthesis of heterocycles</p> <p><i>Marta Pineiro, University of Coimbra, Department of Chemistry, 3004-535 Coimbra, Portugal</i></p>

16:15-16:35	KN4 - Pyrimido[5,4- <i>d</i>]pyrimidines as new tools to tackle old problems: vector-borne parasitic diseases <i>Maria Alice Carvalho, Centro de Química, Escola de Ciências, Universidade do Minho, Braga, Portugal</i>		
16:35-17:10	Coffee break		
Grande Auditório	Chairs: Paula Branco and Manuela Raposo	Anfiteatro A	Chairs: Pedro Góis and Lucinda Reis
17:10-17:20	OC1 - Plastic depolymerization using commercially available Mo, Zn, Mn catalysts <i>Ana C. Fernandes, Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais, 1049-001 Lisboa, Portugal</i>	17:10-17:20	OC8 - Wild-type p53 modification by a tryptophanol-derived oxazoloisoindolinone <i>Ricardo J. F. Ferreira, Faculty of Pharmacy, Universidade de Lisboa, Lisboa, Portugal</i>
17:20-17:30	OC2 - Active polymeric filtration membranes with siderophore for iron(III) removal from aqueous systems <i>Ricardo A. L. S. Santos, Chemistry Department, University of Aveiro, Campus Universitário de Santiago 3810-193 Aveiro, Portugal</i>	17:20-17:30	OC9 - Sphaerococcenol A: Extraction, analogue synthesis, and antitumor assays <i>Milene A. G. Fortunato, Faculty of Pharmacy, Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003, Lisboa, Portugal</i>
17:30-17:40	OC3 - Pd-Catalyzed cycloaddition of bicyclic aziridines with isocyanates for imidazolidinone synthesis <i>Mariana Crespo Monteiro, Faculty of Pharmacy, Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003 Lisbon, Portugal</i>	17:30-17:40	OC10 - Study of the action of a tryptophan metabolite, 8-hydroxyquinoline-2-carboxylic acid, and its Ga(III) complex on microbiota exposed to ionizing radiation <i>Nádia Ribeiro, Centro de Ciências e Tecnologias Nucleares, Instituto Superior Técnico, Estrada Nacional 10, km 139.7, 2695-066 Bobadela LRS, Portugal</i>
17:40-17:50	OC4 - The chemistry of malvidin 3- <i>O</i> -glucoside and malvidin 3,5- <i>O</i> -diglucoside networks from acidic and basic paradigms. The irreversible reactions. <i>Joana Oliveira, Faculdade de Ciências, Universidade do Porto, Rua do Campo Alegre, 687, 4169-007 Porto, Portugal</i>	17:40-17:50	OC11 - Incorporation of unnatural alpha, alpha-dialkylglycines in polymyxins: synthesis and characterization <i>Susana P. G. Costa, Centre of Chemistry, University of Minho, Campus de Gualtar, 4710-057 Braga, Portugal</i>
17:50-18:00	OC5 - Lewis base-catalyzed reactions of chromans and allenolates: Access to structurally diverse chroman frameworks <i>Maria I. L. Soares, University of Coimbra, Coimbra Chemistry Centre-Institute of Molecular Sciences and Department of Chemistry, 3004-535 Coimbra, Portugal</i>	17:50-18:00	OC12 - Searching novel therapeutic targets against MRSA: a mass spectrometry multi-omics approach <i>Pedro C. Rosado, Centro de Química Estrutural - Institute of Molecular Sciences, Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais, 1, 1049-001 Lisboa, Portugal</i>
18:00-18:10	OC6 - Easy access to functionalized sparteine via electrochemical cyanation in batch and in flow of quinolizidine alkaloids <i>Raquel M. Durão, Faculty of Pharmacy, Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003 Lisbon, Portugal</i>	18:00-18:10	OC13 - Layer-by-layer supramolecular assembly of alginate/pyranoflavylium-modified chitosan acidochromic biomembranes <i>Luis Cruz, Faculty of Sciences, University of Porto, Rua do Campo Alegre, s/n, 4169-007, Porto, Portugal</i>

18:10-18:20	OC7 - Synthesis of new conjugated elongated tryptanthrin derivatives for optoelectronic devices <i>Vítor A. S. Almodôvar, Faculty of Pharmacy, University of Coimbra, Pólo das Ciências da Saúde, Azinhaga de Santa Coimbra, 3000-548 Coimbra, Portugal.</i>	18:10-18:20	OC14 - Pharmaceutical ionic (nano)systems: a sustainable approach for infection diseases <i>Luis C. Branco, FCT NOVA, Universidade NOVA de Lisboa, 2829-516, Caparica, Portugal</i>
18:20	Porto de Honra		

Tuesday, 23 January 2024			
Time (h)	University of Algarve – Grande Auditório Caixa Geral de Depósitos		
CHAIRS:	Vítor Freitas and Uwe Pischel		
9:00-9:45	PL4 – Asymmetric autocatalysis and its implications for symmetry breaking and homochirality <i>Oliver Trapp, Ludwig-Maximilians-University, Munich/Germany</i>		
9:45-10:05	KN5 - When less is more: downsizing peptide-ionic liquid conjugates delivers new candidates for topical treatment of skin infections <i>Paula Gomes, LAQV-REQUIMTE, Departamento de Química e Bioquímica, Faculdade de Ciências, Universidade do Porto, Portugal</i>		
10:05-10:25	KN6 - β -Modifications of <i>meso</i> -arylporphyrins: a roadmap to targeted applications <i>Nuno M. M. Moura, LAQV-Requimte and Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal</i>		
10:25-10:45	KN7 - Oxindole-small-molecule hybrids in complex diseases <i>Carolina Silva Marques, LAQV-REQUIMTE, Institute for Advanced Studies and Research (IIFA), University of Évora, Rua Romão Ramalho, 59, 7000-641, Évora, Portugal</i>		
10:45-11:15	Coffee break		
Grande Auditório	Chairs: Mariette Pereira and Nuno Candeias	Anfiteatro A	Chairs: Graça Neves and Maria Manuel Marques
11:15-11:25	OC15 - Radicals at very low temperatures: Monitoring reactions and interactions through IR spectroscopy, <i>Elisa M. Brás, Universidade de Coimbra, Coimbra, Portugal</i>	11:15-11:25	OC23 - Bioorthogonal pretargeting for anchoring photoactive BODIPY on the plasma membrane of HER2+ gastric tumours <i>Sara R. D. Gamelas, LAQV-REQUIMTE, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal</i>

11:25-11:35	OC16 - Revealing the potential of phthaloperinones as key optoelectronic components for electronic devices <i>Ana C. Amorim, University of Coimbra, Coimbra Chemistry Centre – Institute of Molecular Sciences and Department of Chemistry, 3004-535 Coimbra, Portugal</i>	11:25-11:35	OC24 - Graphitic carbon nitride: new support for glucose oxidase immobilisation towards cancer therapy <i>Rita A. M. Barros, Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal</i>
11:35-11:45	OC17 - Synthesis of C-glycosyl quinolones, acridones and related compounds: Classical <i>versus</i> ohmic heating conditions <i>Vera Lúcia Marques da Silva, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal</i>	11:35-11:45	OC25 - Blocking replication of tumour cells with G-quadruplex DNA stabilizing ligands <i>Catarina I. V. Ramos, LAQV-Requimte and Department of Chemistry, University of Aveiro, 3010-193 Aveiro, Portugal</i>
11:45-11:55	OC18 - Efficient visible-light-driven imines synthesis using carbon nitride photocatalyst <i>Joana C. Lopes, Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal</i>	11:45-11:55	OC26 - Exploring the cytotoxic diterpenoid 7 α -acetoxy-6 β -hydroxyroyleanone from <i>Plectranthus</i> spp. as a PKC- α activator for breast cancer therapy <i>Vera M. S. Isca, CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal</i>
11:55-12:05	OC19 - Furan-based asymmetric diketopyrrolepyrrole dyes: Optimization of acceptor unit for Dye-Sensitized Solar Cells <i>João Sarrato, FCT NOVA, Universidade NOVA de Lisboa, 2829-516, Caparica, Portugal</i>	11:55-12:05	OC27 – Inhibition of G4-helicase interactions: A promising approach for cancer targeting therapy <i>Israa Aljnadi, Medicinal Organic Chemistry Group, Research Institute for Medicines (iMed.U LISBOA), Faculty of Pharmacy, Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003 Lisboa, Portugal</i>
12:05-12:15	OC20 - Mechanochemistry of chiral oligosulfides by inverse vulcanization <i>Vasco D. B. Bonifácio, Bioengineering Department, Instituto Superior Técnico, Lisboa, Portugal</i>	12:05-12:15	OC28 - High“light”ing dansylpiperazino-functionalized squaraine dyes for enhanced anticancer photodynamic purposes <i>Eurico Lima, University of Trás-os-Montes and Alto Douro, Quinta de Prados 5001-801, Vila Real, Portugal</i>
12:15-12:25	OC21 - Photocatalytic oxidation of bio-based heterocyclic compounds <i>Késsia H. S. Andrade, Faculdade de Farmácia, Universidade de Lisboa, Lisboa, Portugal</i>	12:15-12:25	OC29 - Shining against resistance: Photodecontaminant materials for inactivation of bacteria <i>Carolina V. Domingos, Centro de Química de Coimbra, Departamento de Química, Universidade de Coimbra, Rua Larga, 3004-535 Coimbra, Portugal</i>
12:25-12:35	OC22 - Degradation products of plastic polymers as markers of microplastics <i>José P. Da Silva, Centre of Marine Sciences (CCMAR/CIMAR LA), University of Algarve, Campus de Gambelas, 8005-139 Faro, Portugal</i>	12:25-12:35	
12:35-14:00	Lunch Break		

CHAIRS:	Paulo Almeida and António Deométrio Pereira
14:00-14:45	PL5 - Structure based identification of novel albumin binders for half-life extensions of proteins and peptides <i>Maria Méndez Pérez, Sanofi, Germany</i>
14:45-15:05	KN8 - New dual-color photoinitiators derived from photochromic naphthopyrans for 3D printing <i>Paulo Jorge dos Santos Coelho, University of Trás os Montes e Alto Douro, 5000-801 Vila Real, Portugal</i>
15:05-15:25	KN9 - The BASHY dye platform as theranostic tool - from bioimaging to photodynamic therapy <i>Uwe Pischel, University of Huelva, 21071 Huelva, Spain</i>
15:25-15:45	KN10 - (Thio)barbiturates combined with fatty acids with potential interest against prostate cancer <i>Samuel Martins Silvestre, Faculty of Sciences, University of Beira Interior, Covilhã, Portugal</i>
15:45-16:05	KN11 - C-N and S-N bond formation via hypervalent iodine reagents: the missing link <i>Maria Manuel B. Marques, School of Science and Technology, Universidade Nova de Lisboa, 2829-516 Caparica, Portugal</i>
16:05-16:15	SOC - The Elsevier's Chemistry Ecosystem <i>Marta Da Piana, Elsevier B.V., Radarweg 29, Amsterdam</i>
16:15-16:35	Flash Poster Communication in 90 s
16:35-18:00	Coffee break & Poster discussion
18:00-19:00	Assembleia Geral
19:45	Congress Dinner – Eva Sense Hotel

Wednesday, 24 January 2024	
Time (h)	University of Algarve
CHAIRS:	Teresa Pinho e Melo and Fernanda Proença
9:00-9:45	PL6 - Development of new catalytic systems. Applications in asymmetric catalysis <i>Rosario Fernández Fernández, Departamento de Química Orgánica, Facultad de Química, Universidad de Sevilla, Spain</i>
9:45-10:05	KN12 - The Évora-Coimbra rearrangement: Tales from two (cities) labs <i>Anthony J. Burke, Faculty of Pharmacy, University of Coimbra, Pólo das Ciências da Saúde, Azinhaga de Santa Coimbra, 3000-548 Coimbra, Portugal</i>
10:05-10:25	KN13 - Development of synthetic methodologies to obtain dicarboxymethyl cellulose with differentiated structure and properties <i>Luísa Maria da Silva Pinto Ferreira, Departamento de Química, NOVA School of Science and Technology, Universidade NOVA de Lisboa, 2829-516 Caparica, Portugal</i>

10:25-10:45	KN14 - Uncovering novel chemotypes targeting the mycobacterial energy metabolism as a strategy to control tuberculosis <i>Francisca da Conceição Lopes, Faculdade de Farmácia, Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003 Lisboa, Portugal</i>		
10:45-11:15	Coffee break		
Grande Auditório	Chairs: Anthony J. Burke and Rita Ventura	Anfiteatro A	Chairs: Maria Alice Carvalho and Paula Gomes
11:15-11:25	OC30 - On the development of novel cellulose derivatives for microplastic flocculation <i>Bruno Medronho, Faculty of Sciences and Technology (MEDITBIO), University of Algarve, Campus de Gambelas, Ed. 8, 8005-139 Faro, Portugal</i>	11:15-11:25	OC38 - Total synthesis of marine natural product (-)-agelastatin A: Biological evaluation of N3-alkylation <i>João R. Vale, Faculty of Pharmacy, Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003 Lisbon, Portugal</i>
11:25-11:35	OC31 - Recent insights on the multifunctional scaffold of chromeno[3,4- <i>b</i>]xanthone derivatives against Alzheimer's disease <i>Daniela Malafaia, LAQV-REQUIMTE and Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal</i>	11:25-11:35	OC39 - The neurotoxic effects of emerging synthetic cathinones and its metabolites: the role of metabolism <i>Rita P. Lopes, Instituto Superior Técnico, Departamento de Engenharia Química, Universidade de Lisboa, Portugal</i>
11:35-11:45	OC32 - Synthesis of 3-(arylamino)thieno[3,2- <i>b</i>]pyridines and evaluation of their neuroprotective activity on transgenic <i>C. elegans</i> for Machado-Joseph disease <i>Maria-João R. P. Queiroz, Centre of Chemistry, University of Minho, Campus de Gualtar, 4710-057 Braga, Portugal</i>	11:35-11:45	OC40 - Towards therapeutical applications of camphorimine Ag(I) and Au(I) complexes <i>Joana P. Costa, Centro de Química Estrutural - Institute of Molecular Sciences, Instituto Superior Técnico, Universidade de Lisboa, Lisboa, Portugal</i>
11:45-11:55	OC33- Electrochemical oxidation of abietanes using continuous-flow <i>Inês S. Martins, Faculty of Pharmacy, Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003 Lisboa, Portugal</i>	11:45-11:55	OC41 - Antimicrobial evaluation of water-soluble pyrazole-pyridinium zinc(II) phthalocyanines: A promising approach for microorganism eradication <i>Leandro M. O. Lourenço, LAQV-REQUIMTE, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal</i>
11:55-12:05	OC34 - Uncovering the origins of supramolecular similarity in a series of benzimidazole structures <i>Paulo R. S. Salbego, Federal University of Santa Maria (UFSM), 98400-000, Frederico Westphalen Campus, RS, Brazil</i>	11:55-12:05	OC42 - Bacterial siderophores – iron thievery weapons in environmental research <i>Diana I. S. P. Resende, Laboratório de Química Orgânica e Farmacêutica, Faculdade de Farmácia, Universidade do Porto, Porto, Portugal</i>
12:05-12:15	OC35 - Synthesis of amphiphilic di-cationic imidazolyl porphyrins for photoinactivation of bacteria <i>Madalena F. C. Silva, Coimbra Chemistry Center, Department of chemistry, University of Coimbra, Rua Larga, 3004-535, Coimbra, Portugal</i>	12:05-12:15	OC43 - Promising antiviral small molecules: from <i>in silico</i> studies to effects on cellular infection and cytotoxicity <i>Francisca Carvalhal, Faculty of Pharmacy, University Porto, 4050-313 Porto, Portugal</i>

12:15-12:25	OC36 - Nitrogen rich biomass furanics – synthesis and applications <i>Rafael F. A. Gomes, Faculty of Pharmacy, Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003 Lisbon, Portugal</i>	12:15-12:25	OC44 - Unveiling the COVID impact on biochemical pathways through an integrated omics expedition towards preparedness <i>Gonçalo C. Justino, CQE - Centro de Química Estrutural – Institute of Molecular Sciences, Instituto Superior Técnico, Universidade de Lisboa, 1049-001 Lisboa, Portugal</i>
12:25-12:35	OC37 - Chan-Lam reaction of arylvinyl boron reagents with (hetero)aromatic amines: application in the synthesis of <i>N</i> -heterocycles <i>Joana R. M. Ferreira, LAQV-REQUIMTE, Department of Chemistry, University of Aveiro, 3010-193 Aveiro, Portugal</i>	12:25-12:35	OC45 - Exploring the hyaluronidase inhibitory activity of phytosterol derivatives <i>Gonçalo P. Rosa, LAQV-REQUIMTE, Department of Chemistry, University of Aveiro, Portugal</i>
12:35-14:00	Lunch Break		
CHAIRS:	Carlos A. M. Afonso and Jorge Salvador		
14:00-14:20	KN15 - Perspectives on catalytic continuous flow process in fine chemical industry <i>Mariette M. Pereira, Universidade de Coimbra, Rua Larga, 3004-535 Coimbra, Portugal</i>		
14:20-14:40	KN16 - A novel functional assay for the discovery of new drug targets in mycobacteria <i>Maria Rita Ventura, Instituto de Tecnologia Química e Biológica António Xavier, Universidade Nova de Lisboa, 2780-157 Oeiras, Portugal</i>		
14:40-15:00	KN17 - Electroorganic oxidation of biorenewable resources into functionalized products <i>Jaime A. S. Coelho, Centro de Química Estrutural, Institute of Molecular Sciences, Faculty of Sciences, University of Lisbon, Campo Grande, 1749-016 Lisbon, Portugal</i>		
15:00-15:45	PL7 - Biologically active xanthone and chromone-type compounds and their aza-analogues <i>Artur M. S. Silva, LAQV-REQUIMTE, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal</i>		
15:45-16:00	Closing Ceremony and Best PhD and MSc awards		