

XXVI ENCONTRO NACIONAL DA SOCIEDADE PORTUGUESA DE QUÍMICA

150 ANOS PARA 118 ELEMENTOS **A TABELA PERIÓDICA**

PROGRAMA CIENTIFICO

24, 25 E 26 DE JULHO DE 2019

FACULDADE DE CIÊNCIAS DA UNIVERSIDADE DO PORTO



ANO INTERNACIONAL
DA TABELA PERIÓDICA



Quarta-Feira, 24 de julho 2019

09:00 - 10:30 Registo

Auditório Ferreira da Silva (AFS)

10:30 - 11:30 Cerimónia de Abertura

Dr. Pedro Nuno Teixeira, Presidência da República - Consultor da Casa Civil para a Ciência e o Ensino Superior

Prof. Sousa Pereira, Reitor da Universidade do Porto

Prof. Ana Cristina Freire, Diretora da FCUP

Prof. Artur Silva, Presidente da SPQ

Dr. Raúl Moreira, Diretor de Filatelia dos CTT

(Philatelic Issuance of the International Year of the Periodic Table: 1st Day Stamp)

Prof. José Ferreira Gomes, Comissário Nacional para o AITP

Prof. Vitor Freitas, Organizador do XXVI EN SPQ

Auditório Ferreira da Silva | Chair: Artur Silva (Presidente SPQ, UA,PT)

11:30 - 12:40 Prémio Ferreira da Silva | Maria José Calhorda (FCUL, PT)

Pilgrimages in the Periodic Table

12:40 - 14:00 Almoço

AFS | Chair: Ana Isabel Ricardo (FCTUNL, PT)

14:00 - 14:15 Christopher Brett, IUPAC (FCTUC, PT)

14:15 - 15:00 PL1 | Martyn Poliakoff (U. Nottingham, UK)

Mendeleev's Gift to Education (and to me)

Quarta-Feira, 24 de julho 2019

AFS | Chair: Pedro Gois (FFUL, PT)

15:00 KN1 | Cristina Matos (ISEP, PT)

REWATER- Sustainable and safe water management in agriculture: increasing the efficiency of water reuse for crop growth while protecting ecosystems, services and citizens' welfare

15:30 COC1 | Maria Lurdes Cristiano (UAAlg, PT)

Selective photochemistry of 5-aminotetrazole derivatives; effect of the saccharyl moiety on the photostability

15:50 COC2 | Iola Duarte (UA, PT)

Modulation of macrophage metabolism by phytochemicals and biomaterials: insights from metabolomics

16:10 CO1 | José Tavares (FCTUNL, PT)

Nanoimmunoassays – Metal nanoparticles for sensitivity and Antibodies for specificity

16:25 CO2 | Hélio Albuquerque (UA, PT)

Modulating protein aggregation in cell models using modified steroids

16:40 CO3 | Nuno Alves (FCTUNL, PT)

Understanding the mechanism of action of a new spiro- β -lactam with dual anti-HIV and anti-Plasmodium activity using in silico target fishing

16:55 - 17:45 Pausa p/ Café e Discussão de Painéis (Sessão 1)

Auditório Ferreira da Silva | Chair: Adelino Galvão (IST-UL, PT)

17:45 – 18:30 PL2 | Zita Martins (IST – UL, PT)

The origin and evolution of organic matter in the solar system - interstellar ices, comets and primitive carbonaceous meteorites

18:30 – 19:30 PORTO de Honra

Quarta-Feira, 24 de julho 2019

A1 | Chair: Luis Carlos (UA, PT)

15:00 KN2 | Luís Belchior (FCUP, PT)

Nanostructuration effect on the physical chemical properties of ionic liquids

15:30 CO4 | Luís Branco (FCTUNL, PT)

Metal based Ionic Systems for Sustainability

15:50 CO5 | João Avó (IST-UL, PT)

Delayed Fluorescence Materials for Imaging Applications

16:10 CO6 | Paulo Martinho (FCUL, PT)

The thermosolient effect in Fe(III) salen spin labile complexes

16:25 CO7 | Carina Crucho (IST-UL, PT)

Enzyme-responsive silica nanocapsules

16:40 CO8 | Luís Silva (FCUP, PT)

Porous Metal-Organic Framework based materials for sustainable catalytic application

16:55 - 17:45 Pausa p/ Café e Discussão de Painéis (Sessão 1)

Quarta-Feira, 24 de julho 2019

S1 | Chair: Mariette Pereira (UC, PT)

15:00 KN3 | João Paulo André (UM, PT)

Poções e Paixões na Sala de Aula

15:30 COC3 | José Moura (FCTUNL, PT)

Building Artificial Enzymes Using the Metals of the Periodic Table

15:50 CO9 | Sérgio Rodrigues (FCTUC, PT)

Periodic Table and Theoretical and Computational Chemistry: a lesser-known link

16:10 CO10 | Natércia Teixeira (FCUP, PT)

Study of five iberian medieval iron-gall inks obtained through the use of historically accurate reconstructions

16:25 CO11 | Fernanda Carvalho (IST-UL, PT)

Design and synthesis of silver camphorimine compounds with high antimicrobial activity

16:40 CO12 | José Araújo (FCUP, PT)

“Química ao pé da letra”: das raízes etimológicas às oportunidades de multidisciplinaridade e divulgação científica

16:55 - 17:45 Pausa p/ Café e Discussão de Painéis (Sessão 1)

Quinta-Feira, 25 de julho 2019

AFS | Chair: Augusto Tomé (UA)

09:00 - 09:45 PL3 | Nuno Maulide (Vienna University, AT)

The beautiful simplicity of rearrangements: methodology and total synthesis

AFS | Chair: Joaquim Faria (Vice-Presidente da SPQ, FEUP)

09:45 – 10:40 Medalha Vicente de Seabra 2018 | Mara G. Freire (UA)

Water, Ionic Liquids and Salts: From the salting-out phenomenon to the formation of aqueous two-phase systems

10:40 - 11:45 Pausa p/ Café e Discussão de Painéis (Sessão 2)

AFS | Chair: Fernanda Proença (UM, PT)

11:45 KN4 | Vânia André (IST-UL, PT)

Antibiotics' coordination frameworks: a new perspective towards improved properties and activity

12:15 COC4 | Paula Gomes (FCUP, PT)

AN ODE TO NITROGEN: nitrogen-based functional groups in the core of new approaches to fight infectious diseases

12:45 - 14:00 Almoço

Quinta-Feira, 25 de julho 2019

A1 | Chairs: Nuno Maulide/Nuno Candeias/Muna Sidarius

Group of Expatriate Chemists (GEC/GQE)

11:45 COC5 | Ricardo Mata (U. Gottingen, DE)

Structured proton wires – a design principle for biochemical regulation

12:05 COC6 | Margarida Gomes (U.Lyon, FR)

Chemistry or free volume? Porous liquids for gas absorption

12:25 COC7 | Pedro Costa (KAUST, SA)

Alkaline Oxidation of Carbon Materials for Elemental Analysis

12:45 - 14:00 Almoço

S1 | Chair: José Câmara (UMad, PT)

11:45 KN5 | Armando Silvestre (UA, PT)

Nanocellulose fibers: biobased masterpieces for the development of sustainable functional materials

12:15 COC21 | Fernando Nunes (UTAD, PT)

As melanoidinas. O que são, como se formam e para que servem?

12:45 - 14:00 Almoço

Quinta-Feira, 25 de julho 2019

AFS | Chair: Matilde Marques (IST-UL, PT)

14:00 – 14:45 PL4 | Eduardo Fernandes-Megia (U. Santiago de Compostela, ES)

Dendritic Nanostructures for Biomedical Applications

AFS | Chair: Teresa Pinho e Melo (UC, PT)

14:45 KN6 | Luísa Martins (IST-UL, PT)

Alkanes or CO₂ to added value commodities - the role of C-scorpionate catalysts

15:15 COC9 | Nuno Moura (UA, PT)

Synthesis and emerging applications of β -functionalized porphyrin derivatives bearing N-heterocycles

15:35 COC10 | Pedro Paulo (IST-UL, PT)

Single-Molecule Fluorescence from Porphyrins Enabled by Gold Nanodimer Antennas

15:55 CO13 | João Rodrigues (UA, PT)

Bioactive chitosan-on-chitosan multilayered assemblies for biomedicine

16:10 CO14 | Diana Resende (FFUP, PT)

Synthesis and Biological Evaluation of Nature-Inspired Indole-Containing Alkaloids

16:25 CO15 | Ana Fernandes (FEUP, PT)

Morphological Modifications on Carbon Nitride for Enhanced Selectivity Towards the Synthesis of p-Anisaldehyde

16:40 - 17:15 Pausa p/ Café e Discussão de Painéis (Sessão 3)

Quinta-Feira, 25 de julho 2019

AFS | Chair: Sérgio Seixas de Melo (UC, PT)

17:15 – 18:00 PL5 | João Carlos Lima (FCTUNL – U. Lisbon, PT)

Auophilic Luminescent Hydrogels

18:00 - 19:00 Reunião SPQ

20:00 Jantar do Encontro | Restaurante Casa da Música

Inclui a performance: "When science becomes an art"

Quinta-Feira, 25 de julho 2019

A1 | Chair: Eduardo Marques (FCUP, PT)

14:45 KN7 | Luís Mafrá (UA, PT)

Understanding the mechanism of CO₂ chemisorption on amine-modified porous adsorbent solid surfaces for gas capture applications

15:15 COC11 | Andreia Valente (FCUL, PT)

Fighting metastatic cancers with ruthenium cyclopentadienyl compounds

15:35 CO16 | Adrià Gil-Mestres (FCUL, PT)

Use of Phenanthroline Derivatives in Chemotherapy Treatments for Cancer and as Alternative Therapeutics in the Era of Antibiotic Resistance: Interaction with DNA and Modulation of the Efficiency

15:55 CO17 | Beatriz Gomes (FFUL, PT)

H₂S-diclofenac vs. diclofenac: effects on membrane lipids

16:10 CO18 | Roberto Russo (FFUL, PT)

3HQs as Boronic Acid Hotspots for site-selective formation of iminoboronates

16:25 CO19 | Cláudia Braga (FFUL, PT)

Triazene-based prodrugs for selective targeting of hypoxic solid tumors

16:40 - 17:15 Pausa p/ Café e Discussão de Painéis (Sessão 3)

Quinta-Feira, 25 de julho 2019

S1 | Chair: Jorge Marques (UC, PT)

14:45 KN8 | Cláudia Silva (FEUP, PT)

Metal-free photocatalysis: a great step toward sustainability

15:15 COC12 | Vânia Calisto (UA, PT)

Development and application of waste-derived carbon materials for improving wastewater treatments

15:35 CO20 | Carlos Baleizão (FC-UL, PT)

Chasing Boron: Optical Detection and Scavenging Materials for Wastewater Remediation

15:55 CO21 | Eliana da Silva (FEUP, PT)

Remarkable Solar-Driven H₂ Production from Polymeric Carbon Nitride Doped with Carbon and with Distorted Structure

16:10 CO22 | J. Richard Gomes (UA, PT)

A computational study on the water splitting reaction by Mxenes

16:25 CO23 | Ricardo Sendão (FCUP, PT)

Insight into the Interaction between Fluorescent Carbon Dots and Molecular By-Products of their Synthesis

16:40 - 17:15 Pausa p/ Café e Discussão de Painéis (Sessão 3)

Sexta-Feira, 26 de julho 2019

AFS | Chair: Maria José Calhorda (FCUL, PT)

09:00 - 09:45 PL6 | Henry Schaefer (U. California at Berkeley - USA)

A Brief History of Quantum Chemistry and Computers

AFS | Chair: Cristina Matos (ISEP, PT)

09:45 – 10:15 KN9 | Nuno Mateus (FCUP, PT)

Exploring the colour and bioactivity of anthocyanin derivatives

10:15 - 10:45 COC13 | Lilian Barros (IPB, PT)

Recuperação de antocianinas de biorresíduos de *Ficus carica* L. e *Prunus spinosa* L.: propriedades corantes e bioativas

10:45 - 11:45 Pausa p/ Café e Discussão de Painéis (Sessão 4)

AFS | Chair: Marco Silva (FCTUNL, PT)

11:45 KN12 | Lisete Silva (IC, UK)

The biochemical principles and applications of carbohydrate microarrays

12:15 COC16 | José Câmara (UMad, PT)

Foodomics platforms - new avenues to investigate food quality, traceability and bioactivity

12:40 - 14:00 Almoço

Sexta-Feira, 26 de julho 2019

A1 | Chair: Celso Reis (I3S, PT)

09:45 KN10 | Luísa Maia (UNL, PT)

Life with Molybdenum

10:15 COC14 | Filipa Marcelo (UNL, PT)

Decoding Glycan-Lectin Interactions in Cancer

10:45 - 11:45 Pausa p/ Café e Discussão de Painéis (Sessão 4)

A1 | Chair: Clara Magalhães (UA, PT)

11:45 KN13 | Beatriz Royo (ITQB UNL, PT)

Manganese: The Black Swan

12:15 COC17 | Nuno Xavier (FCUL, PT)

Dodecyl-containing Azide and Glucuronamide-based Nucleosides as Promising Anticancer Lead Molecules for Circumventing Chemotherapy Resistance

12:40 - 14:00 Almoço

Sexta-Feira, 26 de julho 2019

S1 | Chair: Armando Silvestre (UA, PT)

09:45 KN11 | Marcela Segundo (FFUP, PT)

Greener analytical methods through miniaturization and automation

10:15 COC15 | Marco da Silva (FCTUNL, PT)

Multidimensional GC: Reality, alternative or just a separative extravagancy

10:45 - 11:45 Pausa p/ Café e Discussão de Painéis (Sessão 4)

S1 | Chair: Marcela Segundo (FFUP, PT)

11:45 KN14 | Verónica Bermudez (UTAD, PT)

Solutions for improving energy efficiency in buildings

12:15 COC18 | Eduardo Marques (FCUP, PT)

Versatile biocompatible vesicles based on cationic/anionic surfactants: from rational design to biomolecular delivery

12:40 - 14:00 Almoço

Sexta-Feira, 26 de julho 2019

AFS | Chair: Mário Simões (UA, PT)

14:00 – 14:45 PL7 | Cristina Freire (FCUP, PT)

Catalysis: the successful marriage between Carbon and other Elements in the Periodic Table

AFS | Chair: Paula Gomes (FCUP, PT)

14:45 KN15 | Alberto Canelas Pais (FCTUC, PT)

Polyelectrolyte interaction, confinement and adsorption

15:20 COC19 | António Parola (FCTUNL, PT)

Photoswitching Supramolecular Host-Guest Systems

15:40 CO24 | Filipe Santos (UTAD, PT)

On Chondroitin Sulfate/ Citric Acid Electrolytes as a New Electrolyte Material

AFS | Chair: Victor Freitas (FCUP, PT)

15:55 – 16:40 PL8 | Nicola Armaroli (CNR – Bologna, IT)

Photoactive systems for solar energy conversion, luminescence and catalysis

16:40 - 17:30 Entrega de Prémios e Sessão de Encerramento

Prof. Joaquim Faria, Vice-Presidente da SPQ

Prof. José Ferreira Gomes, Comissário Nacional para o AITP

Prof. Victor Freitas, Organizador do XXVI EN SPQ

17:30 – 17:50 Prof. João Monte | Dra. Ana Rita Almeida

Leitura encenada de alguns excertos do Livro “O Bairro da Tabela Periódica”

17:50 Festa de Despedida

Sexta-Feira, 26 de julho 2019

A1 | Chair: Verónica Bermudez (UTAD, PT)

14:45 KN16 | Marta Piñero (FCTUC, PT)

Sustainable Synthesis of Tetrapyrrolic Macrocycles

15:20 COC20 | Luisa Ferreira (FCTUNL, PT)

Design, production and evaluation of a task specific cellulose-based polymer for wine stabilization

S1 | Chair: Lillian Barros (IPB, PT)

Young Chemists Group (YCG/GJQ)

14:45 COC22 | João Borges (UA, PT)

Supramolecular engineering of modular ECM-like functional nanobiomaterials to instruct cell behavior

15:20 COC23 | Filipe Reis (IPB, PT)

Desenvolvimento de formulações cosmeceúticas a partir de extratos obtidos de cogumelos

15:20 COC24 | Mónica Santos (FEUP, PT)

Anticancer Drugs: a Growing Environmental Threat

COMUNICAÇÕES EM PAINEL

Dadas as limitações de espaço e o elevado número de contribuições recebido, os posters serão afixados por tópicos durante o Encontro, de acordo com a seguinte distribuição diária:

Quarta-Feira, 24	Quinta-Feira, 25	Sexta-Feira, 26
Saúde (CPH) Nanotecnologia (CPN)	Materiais (CPM)	Alimentação (CPF) Ambiente (CPEV) Energia (CPEN) Cultura e Ensino (CPCE)

Desta forma, os trabalhos deverão ser afixados nos painéis pelos próprios autores no início do dia e recolhidos no final do mesmo. O material para afixação dos posters (fita cola, alfinetes, etc.) será fornecido no local pela organização. A lista final dos posters pode ser consultada em baixo.

A TABELA PERIÓDICA E OS ELEMENTOS DA VIDA (SAÚDE, ALIMENTAÇÃO E AMBIENTE)

(CPH1) Thermochemistry of indane derivatives: analysis of energetic effect of the amino, methoxy and hydroxyl substituents M.D.M.C. Ribeiro da Silva, P.M.V. Gama, A.L.R. Silva
(CPH2) The health-promoting potential of <i>Salix</i> spp. bark: from the phenolic composition to the <i>in vitro</i> bioactivity Ramos P A B, Moreirinha C, Santos S A O, Silva S, Coscueta E, Almeida A, Pintado M M, Freire C S R, Silva A M S, Silvestre A J D.....
(CPH3) Simple approach to the synthesis of a natural alkaloid – Cernumidine A Rafael Rippel, Luísa M. Ferreira, Ana Lourenço, Paula S. Branco
(CPH4) Inhibiting metabolism and mitochondria-induced apoptosis in cancer cells: A structure-based virtual screening validation toward HK2 inhibitors Sara N. Garcia, Rita C. Guedes, M. Matilde Marques
(CPH5) Synthesis and Analytical Applications of Glycerophospholipid Fluorescent Molecular Probes Pedro A. M. M. Varandas, Alexander J. A. Cobb, Marcela A. Segundo, Eduarda M. P. Silva
(CPH6) Design of Silicon-Based Vitamin D Analogs H. Gil, J. Loureiro, J.E. Rodríguez-Borges
(CPH7) Biomimetic approach to the synthesis of a singular and challenger pyrrolidine-guanidine core Luís Pinheiro, Rafael Rippel, Flávia Leitão, Luísa M. Ferreira, Ana Lourenço and Paula S. Branco
(CPH8) Development of Torin2 Photo-Affinity Probes for Target Identification in <i>P. falciparum</i> Jorge Grilo, Lara Fidalgo, Pedro Gonçalves, Charlie Saunders, Edward Tate, Rui Moreira, Miguel Prudêncio, Ana S. Ressurreição
(CPH9) Lithium determination in human serum with improved accuracy using potentiometric detection R. Gil, M.C. Sarraguça, C.G. Amorim, M.C.B.S.M. Montenegro, A.N. Araújo
(CPH10) Activation of Natural Killer cells – targeting NKp30 with small organic ligands Pedro F. Pinheiro, Gonçalo C. Justino, Joana P. Miranda, M. Matilde Marques
(CPH11) High-throughput screening of hydrochlorothiazide cocrystals by vibrational spectroscopy Marisa Rodrigues, João Almeida Lopes, João L. Figueirinhas, Carlos Cruz, Alexandra Guedes, Mafalda Sarraguça
(CPH12) Development of a colorimetric immunosensor for <i>Toxoplasma gondii</i> serotyping Susana Sousa, José Manuel Correia da Costa, Eulália Pereira
(CPH13) Carbon-Based Electrodes for Human Health Diagnosis: Detection of Stress Biomarkers in Sweat Gabriel N. Valério, M. João Nunes, José J.G. Moura, Cristina M. Cordas

(CPH14) A first storage study of yoghurt produced under pressure Vieira Patrícia, Pinto Carlos A., Saraiva Jorge A., Lopes-da-Silva José A., Delgadillo Ivonne	
(CPH15) A naphthoquinones screening shows the ability of 5-hydroxy-1,4-naphthoquinone to modulate cytochrome <i>b₅</i> reductase activity Gabriel N. Valério, Carlos Gutiérrez-Merino, Isabel Moura, José J. G. Moura, Alejandro K. Samhan-Arias.....	
(CPH16) Stress Biomarkers Detection Through Non-Invasive Methods M.João Nunes, Gabriel N. Valério, José J.G. Moura, Cristina M. Cordas, Carlos Rouco, Gilda Santos, L. Krippahld	
(CPH17) Unforeseen tandem Ullmann type C – N coupling and dehydrative cyclization of a thioxanthone and guanidine Fernando Durães, Filipa Barbosa, Madalena Pinto, Emília Sousa	
(CPH18) Volatilomics skinprinting as an untargeted approach to identify putative biomarkers of neurodegenerative diseases Beatriz Andrade, Jorge Pereira, José Câmara.....	
(CPH19) Computational study of polyoxometalates in catalysis of phosphodiester bond hydrolysis for medical applications as artificial phosphoesterases Sanchez-Gonzalez A, Martins F F, Bandeira N, Calhorda M J, Lanuza J, Gil A	
(CPH20) Determination of nitrate and nitrite in human saliva with a specially designed microfluidic paper-based analytical device (µPAD) Francisca T. S. M. Ferreira, Raquel B. R. Mesquita, António O. S. S. Rangel.....	
(CPH21) Montelukast metabolic studies: a Mass Spectrometry approach C. F. Marques, G. C. Justino, M. M. Marques	
(CPH22) New anti-inflammatory drugs: less, equal or more topical actions on membrane lipids? Martins M, Nunes C, Reis S, Pereira-Leite C.....	
(CPH23) Amino Acids Profile for Assessing Serra da Estrela Cheese Producers Andréia O. Santos, Soraia I. Falcão, Luísa Fontes, Ana C.A. Veloso, Edite T. Lemos, J. Reis Lima, António M. Peres, Luís G. Dias	
(CPH24) Ternary complexes of fluoroquinolones as promising metalloantibiotics Mariana Ferreira, Lucinda J. Bessa, Paula Gameiro.....	
(CPH25) Anti-Candida Performance of gold and silver camphor imine complexes Joana P. Costa, Maria Joana Pinheiro, Fernanda Marques, Nuno P. Mira, M Fernanda N N Carvalho	
(CPH26) Quality by design development of fusogenic magnetoliposomes Soares F, Pereira-Leite C, Reis S, Nunes C	
(CPH27) Lewis Base Promoted Hydrosilylation of C=X Bonds with Pinacol-derived Chlorohydrosilane Assoah B, Vale J. R, Veiros L. F, Candeias N. R.....	
(CPH28) Cationic photosensitizers and protein inhibitors: finding new ways to target antimicrobial resistance Rafael T. Aroso, Janusz M. Dabrowski, Barbara Pucelik, Grzegorz Dubin, Rita C. Guedes, Luis G. Arnaut, Mario J. F. Calvete, Mariette M. Pereira	
(CPH29) Synthesis of New Chemical Entities based on Tetrapyrrolic Macrocycles for Medical Imaging S.M.A. Pinto, D.M.P Gomes, V.A. Tomé, M.J.F. Calvete, A.J. Abrunhosa, C.F.G.C Gerales, M.M. Pereira	
(CPH30) <i>In vitro</i> cholinesterase inhibition of five medicinal plants Catarina Gonçalves, Adriana Pereira, Cristina Delerue-Matos, Clara Grosso	
(CPH31) Unraveling Selectivity Issues in Palladium-catalyzed Quinoline N-Oxide C-H Activation Frederico F. Martins, Paulo J. Costa, Maria José Calhorda.....	
(CPH32) Effect of Hyperbaric Storage on Blood Preservation Ana P. Martins, Carlos A. Pinto, Álvaro T. Lemos, Jorge A. Saraiva	
(CPH33) Síntese de Potenciais Agentes Bimodais para Imagiologia Médica Gomes DMP, Pinto SMA, Pereira MM.	
(CPH34) Spectrofluorimetric determination of iodine in urine samples with on-line UV photooxidation using a miniaturized analyzer chip in a multi-syringe flow system Joana L. A. Miranda, Edwin Palacio, Raquel B. R. Mesquita, José M. Estela, Víctor Cerdà, António O. S. S. Rangel.....	

- (CPH35) New fluorescing tools for detection of protein aggregation
R. Nunes da Silva, L. Fontes, M. Q. Alves, S. I. Vieira, J. Rocha, A. M. S. Silva, S. Guieu
- (CPH36) Dealing with copper stress - multicopper oxidases in pathogenic Grampositive bacteria
Barbara Gonçalves, Daniela S. Barreiro, Rita G. Sobral, Sofia R. Pauleta
- (CPH37) Hemoglobin-Acrylamide Adduct - a Spectroscopic Study
Joana N. Martins, André G. Favinha, Daniela S. Barreiro, Philip O'toole, Sofia R. Pauleta
- (CPH38) Spiropyrazoline oxindoles: Promising p53 pathway activators for the development of new anti-tumor drugs
Margarida Espadinha, Elizabeth Lopes, Joana D. Amaral, Cecília M. P. Rodrigues, Maria M. M. Santos.....
- (CPH39) Automated solid-phase extraction using a bead-injection lab-on-valve approach coupled to liquid chromatography and mass spectrometry for determination of tranexamic acid in urine
Sara R. Fernandes, Luísa Barreiros, Paula Sá, Manuel Miró, Marcela A. Segundo
- (CPH40) Synthesis of New Hetero-Arylidene-9(10*H*)-Anthrone Derivatives and Biological Evaluation as Antiproliferative Agents
Gabriela Malta, Catarina Roma-Rodrigues, Daniela Peixoto, Luísa M. Ferreira, Pedro V. Baptista, Alexandra R. Fernandes, Paula S. Branco
- (CPH41) Synthesis of porphyrin-peptide conjugates by copper(I)-catalysed azide alkyne cycloaddition
Rodrigo P. Monteiro, José Almeida, Cátia Teixeira, Paula Gomes, Maria Rangel, Baltazar de Castro, Ana M.G. Silva
- (CPH42) Ohmic heating approach to pyridyl and *N*-methylpyridinium analogues of rosamines: photophysical properties and behavior towards ethanol
Andreia Leite, Luís Cunha-Silva, Maria Rangel, Ana I. M. C. Lobo Ferreira, Luís M. N. B. F. Santos, Inês C. S. Cardoso, Vera L. M. Silva, Ana M. G. Silva
- (CPH43) In silico studies towards new BACE-1 inhibitors
Maia M., Palmeira A., Resende D., Sousa E., Kiss L.
- (CPH44) Exploratory assessment of carbonylative Suzuki coupling for the synthesis of benzophenones
Daniela R. P. Loureiro, Ana Maia, José X. Soares, Álvaro F. Magalhães, Carlos M. G. Azevedo, Salette Reis, Carlos M. M. Afonso, Madalena M. M. Pinto
- (CPH45) Fluorescent Boronic Acid Salicylidenehydrazone (BASHY) complex for studying lipid droplets influence on drug effectiveness
Silvia Baldo, Fabio M. F. Santos, Catia Parente Carvalho, S. N. Pinto, F. Fernandes, Pedro M. P. Gois.....
- (CPH46) Metal Catalysed Regioselective Esterification of Sucrose: A Library of Phenylpropanoic Esters Against Cancer
Luís Filipe, Krasimira Petrova
- (CPH47) Fighting HIV-1 infection: a novel poly(alkylidenamine)-based dendrimer as a potential microbicide
Dina Maciel, Carlos Guerrero-Beltrán, Rafael Ceña-Diez, Helena Tomás, M. Ángeles Muñoz-Fernández, João Rodrigues.....
- (CPH48) A metabolomics-inspired workflow for MS drug metabolism studies
Marques CF, Pinheiro PF, Oliveira MC, Marques MM, Justino GC.....
- (CPH49) Xanthene-based optical sensor for metal ions type M(II)
Carla Queirós, Jéssica Oliveira, Andreia Leite, Paula Gameiro, Maria Rangel, Ana M. G. Silva
- (CPH50) The quest for new antibiotics: synthesis of potential DNA gyrase inhibitors
Zoe A. Arnaut, Rafael T. Aroso, Rita C. Guedes, Sara Pinto, Mariette M. Pereira
- (CPH51) Quantification of salivary magnesium using a microfluidic paper based analytical device (μPAD)
Mafalda T. S. Silva, Juliana I. S. Aguiar, Raquel B. R. Mesquita, António O. S. S. Rangel
- (CPH52) New inhibitors for Matrix Metalloproteinases for dental resins
Helena Laronha, Inês Carpinteiro, Jaime Portugal, Ana Azul, Mário Polido, Krasimira T. Petrova, Jorge Caldeira.....
- (CPH53) Development of Bionanosensors for the Diagnosis of Infectious Diseases using the Phage Display Technology
Helena Chá-Chá, Mariana Vieira, João Rodrigues, Helena Tomás, Helena Caldeira.....
- (CPH54) Synthesis, characterization and antifungal activity of a new caffeine-based Nickel NHC
Giulia Francescato, Maria Inês P.S. Leitão, Ana Petronilho.....
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(Sistema EDS-Bruker)



ANÁLISE TÉRMICA

- ❑ TMA - Análise termomecânica
- ❑ DSC - Calorímetro diferencial de varrimento
- ❑ DTA - Análise térmica diferencial
- ❑ TGA - Análise termogravimétrica



VISCOSIDADE/REOMETRIA/TEXTURA

- ❑ Vibração
- ❑ Torção
- ❑ Reómetro
- ❑ Textura



BALANÇAS ELECTRÓNICAS

- ❑ Micro-Analíticas
- ❑ Analíticas
- ❑ Determinação densidades
- ❑ Precisão
- ❑ Medição de humidade
- ❑ Contagem
- ❑ Massas calibradas / calibrações balanças



AND

MOINHOS DE LABORATÓRIO

- ❑ De maxilas / lâminas / martelos
- ❑ De bolas / centrífugos / planetários / nano
- ❑ De anéis
- ❑ De rolos
- ❑ Setor alimentar
- ❑ Moagem criogénica (N₂)
- ❑ Moagem de amostras para raios-x / NIR



ANÁLISE GRANULOMÉTRICA

- ❑ Agitadores de peneiros
- ❑ Agitador por jato de ar
- ❑ Peneiros DIN / ISO / ASTM
- ❑ Software
- ❑ Divisores de amostras
- ❑ Tinas por ultra-sons
- ❑ Analisador automático granulometria laser



HAVER & BOECKER



APOIO INSTITUCIONAL

COM O ALTO PATROCÍNIO
DE SUA EXCELÊNCIA
UNDER THE HIGH PATRONAGE OF THE
PRESIDENT OF THE PORTUGUESE REPUBLIC



O Presidente da República

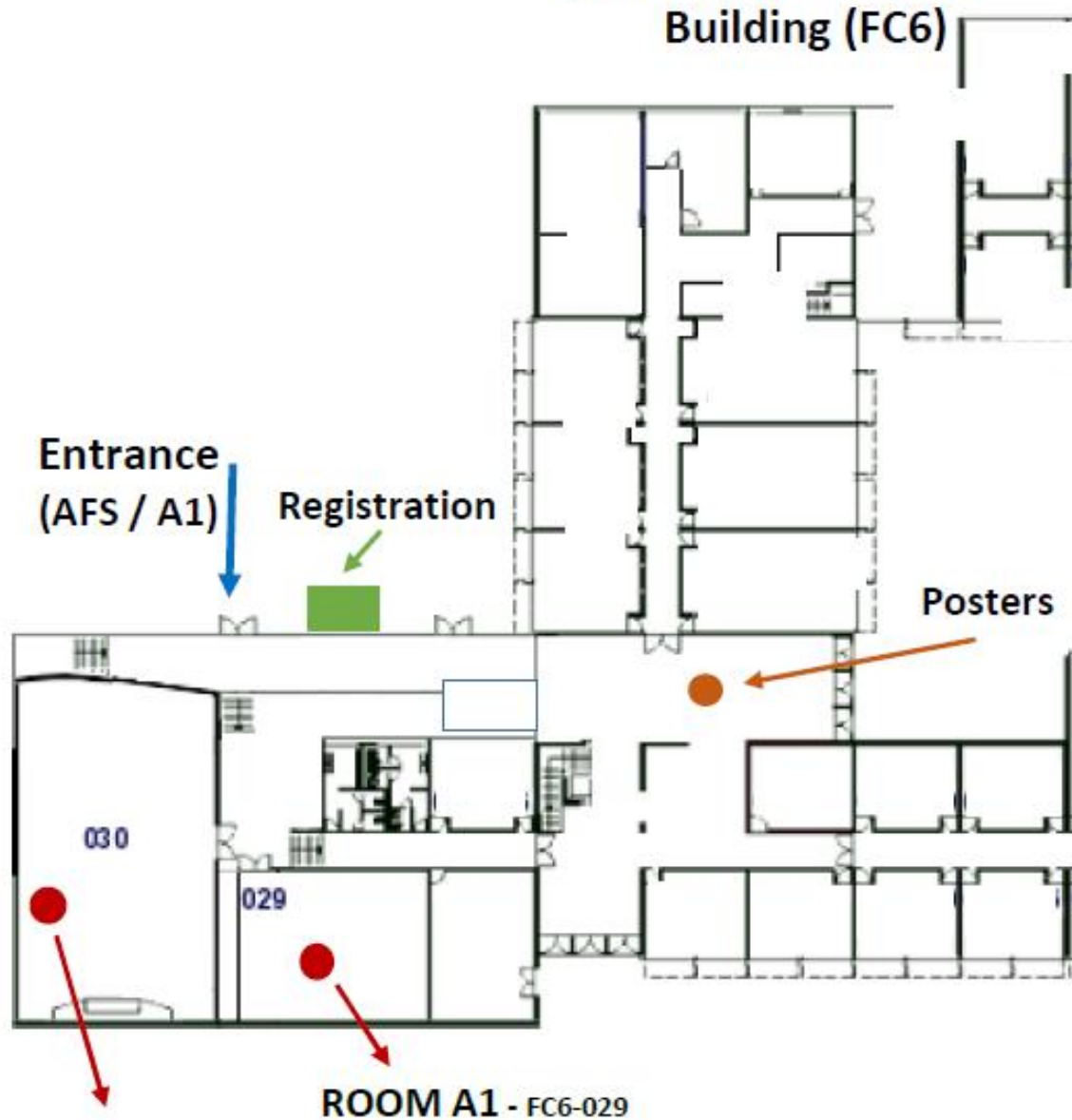


SOCIEDADE PORTUGUESA DE QUÍMICA

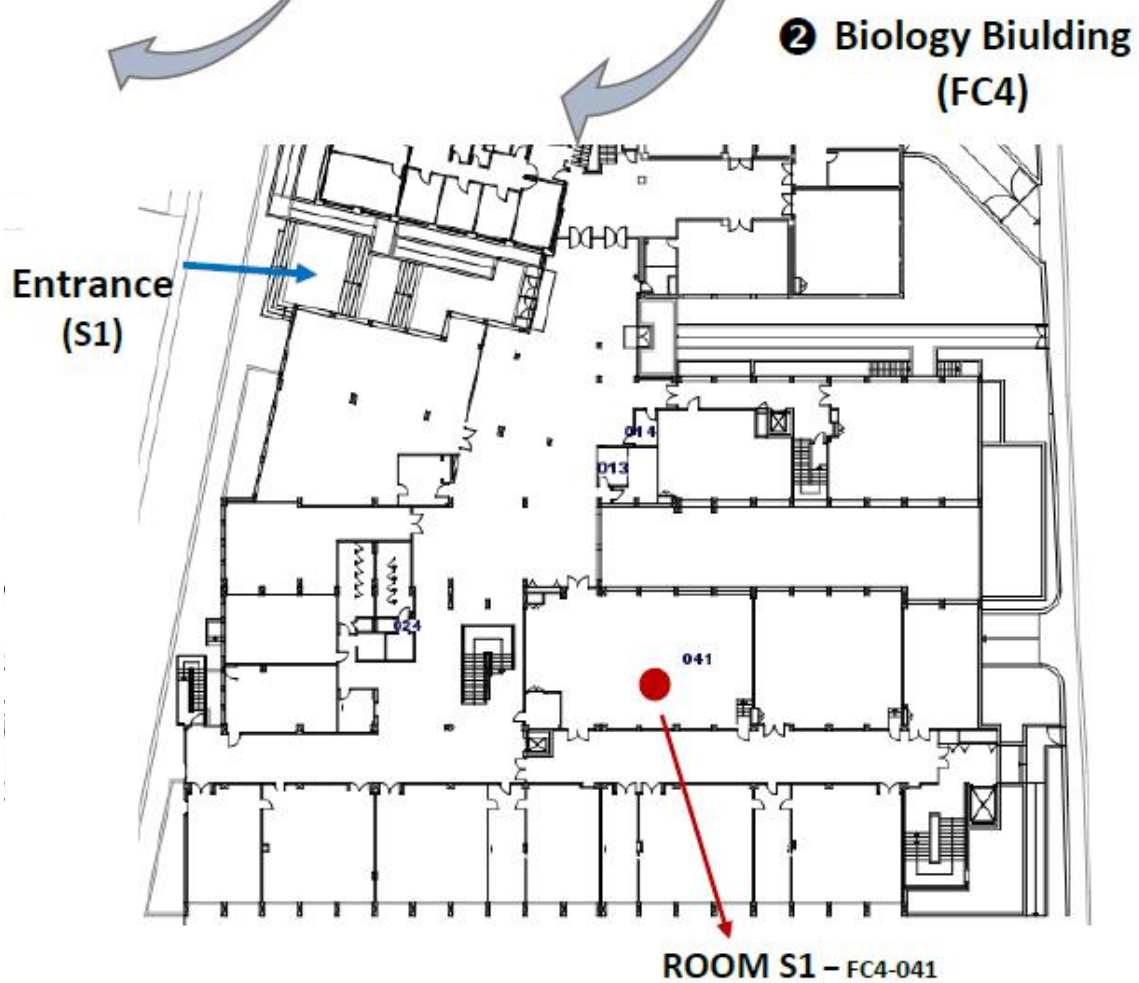
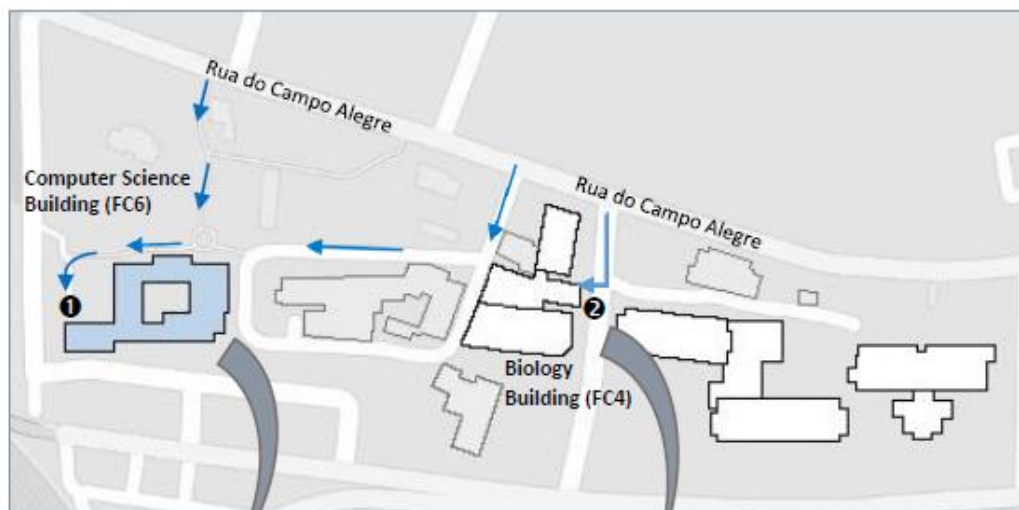




1 Computer Science Building (FC6)



ROOM AFS - Auditório Ferreira da Silva



4ª feira (24)		5ª feira (25)		6ª feira (26)					
9h00	ENTREGA DA DOCUMENTAÇÃO	AFS 9h00-9h45	PL3 - Nuno Maulide (UVienna - AT)		AFS 9h00-9h45	PL6 - Henry Schaefer (UC&B - USA)			
10h30		AFS 9h45-10h40	Medalha Vicente de Seabra 2018 Mara G. Freire (UA)		AFS 9h45 - 10h40 KN9 Nuno Mateus (FCUP) COC13 Lillian Barros (IPB)	A1 - 9h45 - 10h40 KN10 Luísa Maia (UNL) COC14 Filipa Marcelo (UNL)	S1 - 9h45 - 10h40 KN11 Marcela Segundo (FFUP) COC15 Marco da Silva (FCTUNL)		
SESSÃO DE ABERTURA (10h30-11h30)		Pausa p/ Café e Discussão de Painéis (10h40 - 11h45 min)		Pausa p/ Café e Discussão de Painéis (10h45 - 11h45 min)					
11h30	Premio Ferreira da Silva 2018 Maria Jose Calhorda (FCUL)	AFS 11h30-12h40	A1 - 11h45 - 12h40 KN41 Vania André (IST) COC4 Paula Gomes (FCUP)	CEC/GQE COC5 Ricardo Mata (UGöttingen, DE) COC6 Margarida Gomes (Ulyon, FR) COC7 Pedro Costa (KAUST, SA)	S1 - 11h45 - 12h40 KN5 Armando Silvestre (UA) COC21 Fernando Nunes (UTAD)	AFS 11h45-12h40 KN12 Lúsete Silva (IC, UK) COC16 José Câmara (UMad)	A1 - 11h45 - 12h40 KN13 Beatriz Rojo (UNL, ITQB) COC17 Nuno Xavier (FCUL)	S1 - 11h45 - 12h40 KN14 Verónica Bermudez (UTAD) COC18 Eduardo Marques (FCUP)	
12h40	Almoço (12h40 - 14h00)	Almoço (12h40 - 14h00)		Almoço (12h40 - 14h00)					
14h00	Christopher Brett (IUPAC)	AFS 14h00-14h15	PL4 - Eduardo Fernandez-Megia (USantiago de Compostela, ES)		AFS 14h00-14h45	PL7 - Cristina Freire (FCUP)			
14h15		AFS 14h15-15h00	PL1 - Martyn Poliakoff (U. Nottingham, UK)		AFS 14h45-16h40 KN6 Luisa Martins (IST-UL) COC9 Nuno Moura (UA) COC10 Pedro Paulo (IST-UL) CO13 João Rodrigues (UA) CO 14 Diana Resende (FFUP) CO 15 Ana Fernandes (FEUP)	A1 - 14h45-16h35 KN7 Luis Maria (UA) COC11 Andreia Valente (FCUL) CO16 Adria Gil-Mestres (FCUL) CO17 Beatriz Gomes (FEUP) CO 18 Roberto Russo (FFUL) CO19 Cláudia Braga (FFUL)	S1 - 14h45 - 16h35 KN8 Cláudia Silva (FEUP) COC12 Vania Calisto (UA) CO20 Carlos Balezão (IST-UL) CO 21 Eliana da Silva (FEUP) CO22 Richard Gomes (UA) CO23 Ricardo Sendão (FCUP)	AFS 14h45-15h55 KN15 Alberto Pais (FCTUC) COC19 António Parola (FCTUNL, PT) CO24 Filipe Santos (UTAD)	A1 - 14h45-15h55 KN16 Maria Pinero (FCTUC) COC20 Luísa Ferreira (FCTUNL)
15h00	AFS 15h00 - 16h55 KN11 Cristina Matos (ISEP) COC11 Mª Lurdes Cristiano (UAq) COC2 Ilda F. Duarte (UA) CO1 José Tavares (FCT-UNL) CO2 Hélio Albuquerque (UA) CO3 Nuno Alves (FCT-UC)	A1 - 15h00 - 16h45 KN2 Luis Belchior Santos (FCUP) CO4 Luis Branco (FCTUNL) CO5 João Avó (IST-UL) CO6 Paulo Martinho (FCUP) CO7 Carina Cruchio (IST-UL) CO8 Luis Silva (FCUP)	S1 - 15h00 - 16h50 KN3 João P. André (UMinho) COC3 José Moura (FCTUNL) CO9 Sérgio Rodrigues (UC) CO10 Natércia Teixeira (FCUP) CO11 José Araújo (FCUP) CO12 Fernanda Carvalho (IST-UL)	PL8 - Nicola Amaroli (CNR, Bologna, IT)					
17h00		Pausa p/ Café e Discussão de Painéis (16h55 - 17h45 min)		Pausa p/ Café e Discussão de Painéis (16h40 - 17h15 min)		Entrega de Prémios e Sessão de Encerramento Prof. João Monte Dra. Ana Rita Almeida Livro "O Bairro da Tabela Periódica" Festa de Despedida			
AFS 17h45-18h30		PL2 - Zita Martins (IST-UL, PT)		PL5 - João Carlos Lima (FCTUNL)					
PORTO de Honra		Reunioão SPQ							
20h00	Jantar do Encontro Restaurante Casa da Música								

PL - Plenárias
 KN - Keynotes
 COC - Comunicações Orais Convidadas
 CO - Comunicações Orais