



PORTO

FM
UP

200 Bicentário
Faculdade de Medicina
Universidade do Porto



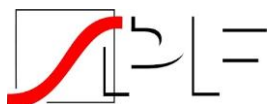
SPF 2025

5-7 DE FEV | FMUP

55ª REUNIÃO DA SOCIEDADE PORTUGUESA DE FARMACOLOGIA
43ª REUNIÃO DE FARMACOLOGIA CLÍNICA
24ª REUNIÃO DE TOXICOLOGIA

PROGRAMA





Bicentenário
Faculdade de Medicina
Universidade do Porto



WEDNESDAY, FEBRUARY 5TH 2025

14:00

Opening session – Auditorium CIM

Walter Osswald – Retired Full Professor of Therapeutics

Altamiro da Costa Pereira – Director of Porto Faculty of Medicine

José Manuel Castro Lopes - Vice-Rector of Porto University

14:30 – 16:00

Parallel Oral Communication Sessions 1 & 2

Session 1 – Auditorium CIM

Chairs: Maria José Diógenes & Paulo Correia de Sá

14:30 – Heavy metal(loid)s and Iberian ungulates – a One Health perspective

Catarina Jota Baptista, Fernanda Seixas, José M. Gonzalo-Orden, Carla Patinha, Pedro Pato, Eduardo Ferreira da Silva, Paula A. Oliveira

14:45 – Unravelling the effect of clinically transposable Pattern Recognition Receptors agonists on dendritic cell activity in a clinically accepted culture medium

Ana Isabel Sebastião, Gonçalo Simões, Daniela Mateus, Amílcar Falcão, Mylène A. Carrascal, Iola F. Duarte, Célia Gomes, Bruno Neves, Maria Teresa Cruz

15:00 – Opening the black-box before learning crashes: measurable learning activities predict and promote academic success

Jorge M. A. Oliveira

15:15 – Redefining ovarian cancer treatment with a new DNA repair pathway inhibitor

Ana Catarina Matos, João Morais, Alessandra Ciucci, Sara Ricardo, Claudio Sette, Stefano Indraccolo, Maria José Ferreira, Lucília Saraiva

15:30 – Participation of β , γ -ImidoATP-sensitive P2 receptors in the inhibitory loop played by perisynaptic Schwann cells to control transmitter exocytosis at the rat motor endplate

José Bernardo Noronha-Matos, Carlos Sousa-Soares, Beatriz Alves-Oliveira, Paulo Correia-de-Sá

15:45 – Safeguarding BDNF receptor with small compounds as a new therapeutic for Alzheimer's Disease

Sara Oliveira, Lia Fernandes, Tiago Coelho, Mafalda Manso, Ana Sebastião, Maria José Diógenes

Session 2 – Room 4 CIM

Chairs: Marta Reina Couto & António Albino Teixeira

14:30 – How Stress, the Vagus Nerve, and Adrenaline Shape Fear Memory: Insights from Vagotomy and Hormonal Intervention

João Munhoz, Ana Oliveira, Márcia Azevedo, Rafaela Seixas, Paula Serrão, Mónica Moreira-Rodrigues

14:45 – Prevalence and determinants of polypharmacy in patients with cardiac pacemakers: a prospective cohort study

M. Costa, N. António, C. Félix, I. Jordão, P. Paiva, J. Guimarães, D. Fernandes, L. Gonçalves, F. Parente

15:00 – BBIT20: Beating Pancreatic Ductal Adenocarcinoma with an innovative therapeutic approach

Rita Silva, Juliana Calheiros, Filipa Barbosa, Sofia Almeida, Silva Mulhovo, Sara Ricardo, Sónia Melo, Vincenzo Corbo, Maria José U. Ferreira, Lucília Saraiva

15:15 – Key mechanisms of stress resilience and susceptibility in a mouse model of depression

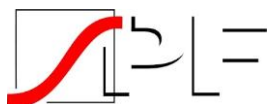
Julie Reis, Edna Soares, Mikel Azkargorta, Félix Elortza, Francisco Caramelo, Carlos A. Fontes-Ribeiro, Frederico C. Pereira

15:30 – Adverse drug reactions in haemato-oncological patients admitted to an intensive care unit

Paula Oliveira, André Valois, Diana Fernandes, André Pardal, Nuno Príncipe, José Artur Paiva, Marta Couto, Fernando Magro

15:45 – A new LOXL2 inhibitor as a potential strategy for Triple-Negative Breast Cancer

Sandra Ferreira, Daniel J. V. A. dos Santos, Ana M. Díaz-Lanza, João G. Costa, Nuno Saraiva, Patrícia Rijo, Ana S. Fernandes



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16:00 – 16:40

Coffee break

16:40 – 17:55

Parallel Oral Communication Sessions 3 & 4

Session 3 – Auditorium CIM

Chairs: Glória Queiroz & Patrício Soares da Silva

16:40 – Impact of dapagliflozin on Heart Failure with Reduced Ejection Fraction

Inês Jordão, Francisca Augusto, Patrícia Paiva, Carolina Felix, Miguel Costa, Cristina Carvalho Patrícia Dias, Francisco Parente, Natália António

16:55 – Myocardial overexpression of Galectin-3, SGLT2 and DPP4 in patients with Tropical Endomyocardial Fibrosis as disease biomarkers and putative drug targets

Cristiana Almeida-Ribeiro, Paula Teixeira, Rafael Neiva, Fátima Ferreirinha, Ana Olga Mocumbi and Paulo Correia-de-Sá

17:10 – Adrenergic receptors increase cell viability of glioblastoma cell lines through non-canonical signaling involving adrenoceptor internalization

Rita Tavares-Henriques, Clara Quintas, Jorge Gonçalves, Renata Silva, Glória Queiroz

17:25 – Chemically-modified small interfering RNAs (siRNAs) against dopamine beta-hydroxylase (DBH) resist biological and environmental degradation

Patrick J. Kennedy, Catarina Carneiro, Simone Bessa, Patrício Soares-da-Silva

17:40 – Neuroprotective effect of Fisetin and Semaglutide against palmitic acid-associated damage in SH-SY5Y-derived neuronal-like cells

Débora Mena, Katarzyna Michalik, Carla Sequeira, Sofia Cardoso, João O. Malva, Ana I. Duarte

Session 4 – Room 4 CIM

Chairs: Frederico Pereira & Jorge Oliveira

16:40 – Using zebrafish to study PERK function: implications for modeling Wolcott-Rallison Syndrome

Liliana M. Almeida, Leonor P. Lima, Nuno S. Oliveira, José Bessa, Brígida R. Pinho, Jorge M. A. Oliveira

16:55 – Doping up dendritic cells: the impact of Δ^9 -Tetrahydrocannabinol (Δ^9 -THC) and synthetic cannabinoids ADB-FUBINACA and THJ-2201 in human circulating dendritic cells

Ivo Cruz, Milene Goncalves, Paulo Rodrigues-Santos, Rafaela Silva, João Pedro Silva, Frederico C. Pereira

17:10 – Turn me on! Turn me off! Sexual dysfunctions as adverse drug reactions of antipsychotic medications

João Paulo Fernandes, Andreia Lopes, Márcia Silva, Bruno Sepodes, Carla Torre

17:25 – A small TAT-TrkB peptide prevents BDNF receptor cleavage and restores synaptic physiology in Alzheimer's Disease

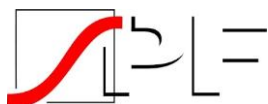
Tiago Costa-Coelho, João Fonseca-Gomes, Mafalda Ferreira-Manso, Sara Inteiro-Oliveira, Sandra H. Vaz, Ricardo Viais, Juzoh Umemori, Eero Castrén, Ana M. Sebastião, Tiago M. Rodrigues, Maria José Diógenes

17:40 – Mucilaginous properties of *Salvia verbenaca* seeds in traditional ocular application

João Mendes, Francisco Portal, Paula Serrão, Fernando Magro, Octávio Sacramento, Luís Figueira

18:00 – 19:30

General Assembly of the Portuguese Society of Pharmacology



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Faculdade de Medicina
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THURSDAY, FEBRUARY 6TH 2025

09:00 – 10:30

Parallel Oral Communication Sessions 5 & 6

Session 5 – Auditorium CIM

Chairs: Paula Fresco & Paula Agostinho

09:00 – *In vitro* assessment of the impact of Rimonabant on histone modifications in a neuronal cell model

Matilde Moura, Catarina Teixeira, Sandra Marques, Félix Carvalho, João Pedro Silva

09:15 – Mapping adverse event patterns following immunisation with mRNA COVID-19 vaccines: findings from real-world data in EudraVigilance

Renato Ferreira-da-Silva, Mariana Fernandes Lobo, Ana Margarida Pereira, Manuela Morato, Jorge Junqueira Polónia, Inês Ribeiro-Vaz

09:30 – Analysis of microglial-specific receptors in the hippocampus and neocortex of patients with mesial temporal lobe epilepsy with hippocampal sclerosis

Pedro Beça, Bárbara Guerra-Leal, João Chaves, Cláudia Carvalho, Rui Rangel, Agostinho Santos, Paulo P. Costa, Maria Graça Lobo, Paulo Correia-de-Sá

09:45 – Impact of the pharmacological modulation of lipid storage dynamics in the proliferation of metastatic breast cancer cells

Victória Bombarda-Rocha, Dany Silva, Patrícia Nogueira, Rita Tavares-Henriques, Jorge Gonçalves, Rita Fontes Ribeiro, Paula Fresco

10:00 – Hydroxytyrosol and Naringenin protect against lipopolysaccharide-induced brain endothelial permeability

Daniela M. Simões, João O Malva, Ana Paula Silva

10:15 – Involvement of adenosine A_{2A} receptors in the control of age-associated alterations of memory and synaptic plasticity in the hippocampus

Cátia R. Lopes, Daniela Madeira, João Pedro Lopes, Samira Ferreira, Henrique B. Silva, Paula M. Canas, Paula Agostinho, Rodrigo A. Cunha

Session 6 – Room 4 CIM

Chairs: Sofia A. Pereira & Teresa Sousa

09:00 – Multi-target neuroprotective effects of Irbesartan in a mouse model of Alzheimer's Disease

Filipa Gouveia, Sara Castanheira, Teresa Cruz, Miren Ettcheto & Ana Fortuna

09:15 – Oxidized cysteine and peritoneal membrane fibrosis: A hypothesis-generating study

Sofia Anão, Luísa Teixeira-Santos, Rita Calça, Diogo Sequeira, Sara Maia, Joana Gonçalves, Emília C. Monteiro, Patrícia Branco, Sofia A. Pereira

09:30 – Interplay between the proresolving mediators Annexin A1 and Resolvin A1 in hospitalized COVID-19 patients

Carolina Silva-Pereira, Marta Reina-Couto, Patrícia Pereira-Terra, Luísa Teixeira-Santos, Sandra Martins, Dora Pinho, Miguel Luz Soares, António Sarmento, Margarida Tavares, João T Guimarães, José-Artur Paiva, Sónia Fraga, António Albino-Teixeira, Roberto Roncon-Albuquerque, Teresa Sousa

09:45 – Cannabinoids modulate key molecular targets responsible for estrogen receptor-positive breast cancer progression

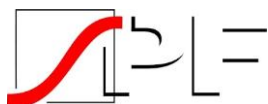
Cristina Ferreira Almeida, Georgina Correia-da-Silva, Natércia Teixeira, Cristina Amaral

10:00 – ChemSensing – A biosensor for human sensitizers detection

Beatriz Rodrigues, Ana Beatriz Ramos, Manuela F. Frasco, Ana C. Fonseca, M. Goreti F. Sales, Maria Teresa Cruz, Ana Silva

10:15 – Innovative approaches to glioblastoma: targeting stem cell-enriched spheroids with seaweed-derived compounds and Temozolomide

Sónia d' Almeida, Alexandra Matos, Luísa Custodio, Mónica Teotónio Fernandes



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10:30 – 11:10

Coffee break

11:10 – 12:10

Parallel Oral Communication Sessions 7 & 8

Session 7 – Auditorium CIM

Chairs: Emília Monteiro & Fátima Martel

11:10 – Minor phytocannabinoids actions in endometrial stromal cells: differential modulation of steroid hormone receptors and anandamide metabolic enzymes

Patrícia Alves, Cristina Amaral, Bruno Fonseca, Luísa G. Sousa, Natércia Teixeira, Georgina Correia da Silva

11:25 – Advancing ALS drug discovery: new motor endurance and proteostasis assays in zebrafish models of TDP-43 proteinopathy and environmental exposure

Nuno A. S. Oliveira, Brígida R. Pinho, Jorge M. A. Oliveira

11:40 – Renal transcriptomic signature controlled by the AhR in a model of arterial hypertension induced by chronic intermittent hypoxia

António B. Pimpão, Luísa Teixeira-Santos, António Ferreira de Melo Junior, Emília C. Monteiro, Sofia A. Pereira

11:55 – Bioanalysis and pharmacokinetic evaluation of intranasally delivered Histone Deacetylase Inhibitors

Sérgio Correia, Andreia Carona, Mariana Lacerda, Amílcar Falcão, Ana Fortuna, Joana Bicker

Session 8 – Room 4 CIM

Chairs: Sofia Viana & Jorge Gonçalves

11:10 – Unbalance of pro-fibrotic (P2Y₂ and P2Y₄) and anti-fibrotic (P2Y₁₁) receptor subtypes may underlie cardiac fibrosis in rats with Pulmonary Arterial Hypertension

Rafael Neiva, Maria Adelina Costa, Paulo Correia-de-Sá

11:25 – Stimulation of tunneling nanotube formation in breast cancer cells via β_2 -adrenoceptor activation

Patrícia Nogueira, Dany Silva, Victória Bombarda-Rocha, Rita Tavares-Henriques, Jorge Gonçalves, Paula Fresco

11:40 – Activity of the Clinical Pharmacology Unit in 2024: first full calendar year

Pedro Benjamim, Rita Avó Baião, Gonçalo Silva Duarte, Mário Miguel Rosa

11:55 – Leaf It to blueberries: Unlocking new frontiers in Multiple Sclerosis through the Gut-Brain-Immune System Axis

Carolina Ferreira, Inês Preguiça, André Alves, Filipa Carvalho, Pedro Vieira, Jani Almeida, Vera Alves, Helena Sá, Flávio Reis, Sofia Viana

12:10 – 13:10

Plenary session I – Auditorium CIM

Molecular therapeutic targets for muscular dystrophy – the role of translational pharmacology

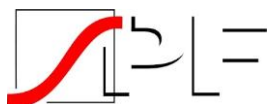
Professor Emilio Clementi, M.D., Ph.D.

Department of Biomedical and Clinical Sciences, University of Milano

Chair: Maria José Diógenes

13:10 – 14:40

Lunch break



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14:40 – 16:10

Parallel Oral Communication Sessions 9 & 10

Session 9 – Auditorium CIM

Chairs: Natália António & Fernando Remião

14:40 – Can the Golgi ion channel TMBIM4 be a novel therapeutic target to control cancer cell metabolic reprogramming?

Marta Martins, Nuno Almeida, Marisa Nicolai, Giorgia Del Favero, Ana S. Fernandes and Nuno Saraiva

14:55 – Mitochondrial Pyruvate Carrier: a target for modulating the integrated stress response in Huntington's Disease

Ângela Oliveira, Liliana M. Almeida, Brígida R. Pinho, Jorge M. A. Oliveira

15:10 – Dapagliflozin: a new frontier in the treatment of Heart Failure with Preserved Ejection Fraction

Cristina Carvalho, Inês Jordão, Patrícia Paiva, Miguel Costa, Carolina Felix, Patrícia Dias, Francisco Parente, Natália António

15:25 – Prescribers' confidence, decision-making, and information needs: insights from an Antimicrobial Stewardship Program

André Valois, Paula Ferraz Oliveira, Mariana Salvado de Moraes, Lúcia Ribeiro Dias, Francisco Almeida, Mariana Guedes, Paulo Andrade, Nuno Pereira

15:40 – Upregulation of HIF-1 α impairs the chondrogenic differentiation of aged mesenchymal stromal cells by decreasing adenosine formation and unbalancing A_{2A}/A_{2B} receptor tone

Rui Pinto-Cardoso, Catarina Bessa-Andrês, Flávio Pereira-Costa, Rafael Neiva, Ricardo Martins-Ferreira, Bárbara Guerra-Leal, Diogo Catelas, Adélio Vilaça, António Oliveira, Julie Pelletier, Jean Sévigny, José Bernardo Noronha-Matos & Paulo Correia-de-Sá

15:55 – Innovative Edaravone derivatives: a promising therapeutic approach for Amyotrophic Lateral Sclerosis

Sandra Barreiro, Fernando Cagide, Fernanda Borges, Fernando Remião, Renata Silva

Session 10 – Room 4 CIM

Chairs: Joana P. Miranda & Luís Figueira

14:40 – Role of the Equilibrative Nucleoside Transporter type 1 in an animal model of attention-deficit/hyperactivity disorder

Sofia Corrêa Valladão, Rodrigo A. Cunha, Alexandre dos Santos Rodrigues, Pablo Pandolfo

14:55 – Aquaporin-5 involvement in pancreatic cancer and possible tumor microenvironment shaping

Inês Paccetti-Alves, Inês V. da Silva, Helena F. Florindo, Graça Soveral

15:10 – Effects of decreasing inflammation with Ibuprofen on metabolic parameters, carotid sinus nerve activity and carotid body morphology in high-fat diet-rats

Gonçalo M. Melo, Joana F. Sacramento, Krystin Andrzejewski, Adriana M. Capucho, Katarzyna Kaczyńska, Silvia V. Conde

15:25 – The role of IFN- γ preconditioning in the therapeutic potential of mesenchymal stem cell-derived secretome and exosomes

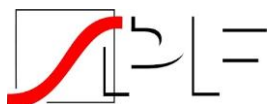
Catarina M. Trigo, Sérgio P. Camões, Ana S. Serras, Ana Teresa Matos, Rui Vitorino, Ana Rita Vaz, Dora Brites, Susana Solá, Joana P. Miranda

15:40 – Methodology for the inclusion of health technologies in the Hospital Drug Formulary at the Unidade Local de Saúde Santa Maria

Gonçalo Silva Duarte, Pedro Benjamim, Rita Avó Baião, Mário Miguel Rosa

16:10 – 16:50

Coffee break



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16:50 – 18:20

Parallel Oral Communication Sessions 11 & 12

Session 11 – Auditorium CIM

Chairs: Clara Quintas & Bernardo Noronha-Matos

16:50 – Assessing the importance of pharmacogenomics in cancer treatment in a Portuguese Pharmacist's sample

Ana S. Galiado, Cíntia Ferreira-Pêgo, João G. Costa

17:05 – Downregulation of P2Y₁₂ and P2Y₁₃ receptors rehabilitates ADP-induced P2Y₁-mediated osteogenic potential of mesenchymal stromal cells in post-menopausal women

Catarina Bessa-Andrês, Rui Pinto-Cardoso, Maria Adelina Costa, Fátima Ferreirinha, José Marinhos, Rolando Freitas, Rui Lemos, Diogo Catelas, Adélio Vilaça, António Oliveira, Paulo Correia-de-Sá & José Bernardo Noronha-Matos

17:20 – Small Extracellular Vesicles derived from mesenchymal stem cells restrain APAP-induced liver injury *in vitro* and *in vivo*

Ana S. Serras, Sérgio P. Camões, Joana S. Rodrigues, Joel M. Vej-Nielsen, Rui Vitorino, Busra Korkmaz, Gulcin Cakan-Akdogan, Joana P. Miranda

17:35 – Impact of statin use on sarcopenia-related parameters in patients with obesity: a comparative analysis

Ana Luísa De Sousa-Coelho, Beatriz Sequeira, Carolina Lopes, Margarida Espírito-Santo, Céu Laranjo, Paulo Cardoso, Tina Sanai, Mercedes Sanchez, João Maia-Teixeira

17:50 – β -adrenergic modulation of lipid droplet dynamics in human MDA-MB-231 and MCF-7 breast cancer cells

Dany Silva, Patrícia Nogueira, Rita Tavares-Henriques, Vitoria Bombarda-Rocha, Clara Quintas, Jorge Gonçalves, Paula Fresco

18:05 – Characterization of early motor deficits in a *Park7* knockout zebrafish model of Parkinson's Disease

Nora Solheim, Brígida R. Pinho, Leonor Lima, Nuno A. S. Oliveira, Jorge M. A. Oliveira, Kari E. Fladmark

Session 12 – Room 4 CIM

Chairs: Vera M. Costa & Ricardo Dinis-Oliveira

16:50 – Unveiling mechanisms of chemobrain: a comparative *in-vitro* study of Doxorubicin and Sunitinib cytotoxicity

Maria Barbosa-Azevedo, Maria Cardoso, Félix Carvalho, Vera M Costa

17:05 – Chemoprevention of ultraviolet radiation-induced skin damage through reactivation of mutant p53

Carla Carvalho, Adelina Quaresma, Paula A. Oliveira, Alberto Inga, Teresa M. V. D. Pinho e Melo, Lucília Saraiva

17:20 – *Diplopterys cabrerana*: DMT-containing plant leads to mitochondrial and lysosomal dysfunction

Maria Rita Garcia, Mykhaylo Dutka, Sofia Guimarães, Paula B. Andrade, Diana Dias-da-Silva, Nelson G. M. Gomes

17:35 – Exploring the anti-inflammatory effects of Nrf2-activating compounds from the mediterranean diet in Obesity-Associated Inflammation

Sónia A. Pinho, Ana Silva, Sónia Silva, Eugénia Carvalho, Anabela Marisa Azul, Paulo Matafome, Cláudia Pereira, Paulo J. Oliveira, Maria Teresa Cruz

17:50 – Blackberry supplementation mitigates weight gain and modulates gut microbiota in a humanized obese mice model

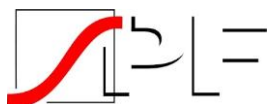
Gilberto Maia Santos, Maria João Almeida, Catarina Rodrigues, Iva Fernandes, Ana Rita Monteiro, Shámila Ismael, Conceição Calhau, Cláudia Marques, João Ricardo Araújo and Ana Faria

18:05 – Cytotoxicity and neuroprotective potential of Psilocybin, Psilocin, LSD, 5-MeO-DMT, and Mescaline in SH-SY5Y cells

Andreia Machado Brito-da-Costa, Ricardo Jorge Dinis-Oliveira, Áurea Madureira-Carvalho, Diana Dias-da-Silva

20:15

SPF Official Dinner



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FRIDAY, FEBRUARY 7TH 2025

09:00 – 10:30

Parallel Oral Communication Sessions 13 & 14

Session 13 – Auditorium CIM

Chairs: Sílvia Conde & Flávio Reis

09:00 – Targeting mitochondrial deubiquitinases to enhance mitophagy in mitochondrial diseases

Brígida R. Pinho, Anitta Chacko, Célia Nogueira, Michael R. Duchon, Jorge M. A. Oliveira

09:15 – Therapeutic potential of *Akkermansia muciniphila* in the 2,4,6-Trinitrobenzene Sulfonic Acid (TNBS)-induced rat model of Inflammatory Bowel Disease

André Alves, Carolina Ferreira, Pedro Vieira, Filipa Carvalho, Diana Almeida, Daniela Machado, Joana Barbosa, Patrícia Dias-Pereira, Ana Gomes, Sofia Viana, Flávio Reis

09:30 – Metabolic events characterizing paclitaxel resistance in ovarian cancer revealed by metabolomics

Filipa Amaro, Mariana Nunes, Paula Guedes de Pinho, Sara Ricardo, Joana Pinto

09:45 – TrkB-FL cleavage as a novel mechanism in epileptogenesis

Leonor Ribeiro-Rodrigues, Sara L. Paulo, Vítor H. Paiva, Ana M. Sebastião, Eleonora Aronica, Alexandre Rainha Campos, Carla Bentes, Sara Xapelli, Maria José Diógenes

10:00 – Impact of carotid sinus nerve resection on liver glucose and lipid metabolism in hypercaloric diets animals

Joana F. Sacramento, Fátima O. Martins, Rafael Carecho, Cláudia S. Prego, Bernardete F. Melo, Inês Fernandes, Cláudia Batista, Cristina Barosa, John G. Jones, Sílvia V. Conde

10:15 – *In vitro* neurotoxicity of synthetic cathinones in a neuritogenesis model

Catarina da Fonseca, Fernando Remião, João Pedro Silva, Renata Silva

Session 14 – Room 4 CIM

Chairs: Dora Pinho & Félix Carvalho

09:00 – Mitochondrial evaluation of a novel catechol-O-methyltransferase inhibitor

Bárbara Albuquerque, Sofia Benfeito, Daniel Chavarria, Maria Paula Serrão, Fernanda Borges, Patrício Soares-da-Silva

09:15 – Impact of methylphenidate on oxidative stress and mitochondrial dynamics in retinal cells under control or inflammatory conditions

Eliane Swely Sanches, Ricardo Alexandre Leitão, Sandra Mota, Margarida Caldeiras, Filipa Baptista, Paulo Jorge Oliveira, António Francisco Ambrósio, Rosa Fernandes, Ana Paula Silva

09:30 – Diagnostic implications of adenosine and adenosine deaminase activity in the serum of fibromyalgia patients

Carina Herman-de-Sousa, Mariana Ribeiro, Diogo Silva, Maria Adelina Costa, Marco Sampaio, and Paulo Correia-de-Sá

09:45 – The synthetic cannabinoid ADB-FUBINACA increases mitochondrial area and number within neurites, while disrupting their mobility during the neurodifferentiation of NG108-15 cells

Rui Filipe Malheiro, Ana Catarina Costa, Helena Carmo, Félix Carvalho, João Pedro Silva

10:00 – Objective Structured Clinical Examination (OSCE) in the practical evaluation of pharmacology in veterinary nursing: a students' perspective

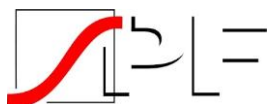
Catarina Jota Baptista, Gonçalo Babau, Ana M. P. Oliveira, Nuno R. Coelho

10:15 – Aquaporin-3 peroxiporin activity impairment by organogold compounds affects adhesion, proliferation and migration in melanoma cells

Inês V. da Silva, Catarina Pimpão, Inês Paccetti-Alves, Sophie R. Thomas, Andreia Barateiro, Angela Casini and Graça Soveral

10:30 – 11:10

Coffee break



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11:10 – 12:25

Parallel Oral Communication Sessions 15 & 16

Session 15 – Auditorium CIM

Chairs: Ana Sebastião & João Paulo Capela

11:10 – Cardiotoxicity of Sunitinib: Insights into the impact on the autophagy pathway

Cláudia Vitorino-Oliveira, Margarida Duarte-Araújo, Félix Carvalho, Vera Marisa Costa

11:25 – Novel sources of calcium influx as potential triggers of TrkB-FL cleavage

Nuno Alemão-Serrano, Tiago Costa-Coelho, Carolina Marçal, Ana. M. Sebastião, Maria José Diógenes

11:40 – Enantiomeric biodistribution, metabolic profile and toxicity of 3-chloromethcathinone (3-CMC) in Wistar rats following acute exposure

Ivan Langa, Carolina Rocha-Pereira, Nuno Milhazes, Diana Dias da Silva, Susana Domingues, Albina Dolores Resende, Joana Barbosa, Juliana Faria, Maria Elizabeth Tiritan, Cláudia Ribeiro

11:55 – Breathing responses elicited by intragastric administration of lipids are mediated by the carotid body

Adriana M. Capucho, Ana B. Fernandes, Sílvia V. Conde

12:10 – Effects of oral Methylphenidate on protein markers involved in brain plasticity and neuronal outgrowth in male and female juvenile Wistar Kyoto rats

Patrícia Couto, Vera Marisa Costa, Ana Dias-Carvalho, Susana Isabel Sá, Mariana Ferreira, Félix Dias Carvalho, Andreas Meisel, João Paulo Capela

Session 16 – Room 4 CIM

Chairs: Laura Oliveira & Nuno G. Oliveira

11:10 – *In vitro* efficacy and safety of novel ERCC1-XPF small molecule inhibitors to improve cisplatin therapy in non-small cell lung cancer

Rita Manguinhas, Patrícia A. Serra, Nuno Gil, Rafael Rosell, Rita C. Guedes, Nuno G. Oliveira

11:25 – P2X7 receptor activation drives a pro-inflammatory response, neutrophil recruitment and suppression of astrocytes activation in a mouse model of neonatal Group B *Streptococcus* infection

Sales Fialho, Irina Amorim, Paula Ferreira, Laura Oliveira

11:40 – Anti-inflammatory screening of new carvone enantiomer derivatives

Lara Mingatos, Ana Capitão, Alcino J. Leitão, Cátia Sousa, Alexandrina Ferreira Mendes

11:55 – Changes induced in oxalate metabolism in rat by chronic intermittent hypoxia

António B. Pimpão, António F. de Melo Junior, Marta P. Reis, Luísa Teixeira-Santos, Pedro Baltazar, Emília C. Monteiro, Sofia A. Pereira

12:10 – Deficient cholinergic activity of the esophagus exposed to gastroesophageal reflux may involve TGR5 and P2Y1 receptors in the rat

Kalinne K. L. Gadelha, Pedro J. C. Magalhães, Armênio A. Santos, Paulo Correia-de-Sá, Moisés T. B. da Silva

12:25 – 13:45

Lunch break

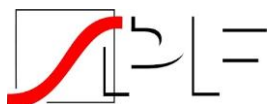
13:45 – 14:45

Plenary session II – Auditorium CIM

Bacteria, Humans and antibiotics

Professor António Sarmiento, M.D., PhD (CHUSJ and FMUP)

Chair: Maria Augusta Vieira Coelho



Bicentenário
Faculdade de Medicina
Universidade do Porto



14:45 – 16:30

Parallel Oral Communication Sessions 17 & 18

Session 17 – Auditorium CIM

Chairs: Fernando Magro & Renata Silva

14:45 – Thioxanthonic derivatives-mediated P-glycoprotein activation/induction: a potential protective strategy against cisplatin-induced nephrotoxicity

Jéssica Veiga-Matos, Andreia Palmeira, Emília Sousa, Ana Morales, Marta Prieto, Fernando Remião, Renata Silva

15:00 – A year in medication: Benzodiazepine use and polypharmacy trends in elderly women

Francisco Portal, João Mendes, Marta Reina Couto, Luís Figueira, Fernando Magro

15:15 – Differential metabolism and stress response activation associates with striatal vulnerability in Huntington's disease

Liliana M. Almeida, Brígida R. Pinho, Michael Duchon, Jorge M. A. Oliveira

15:30 – Age-related deficits in β_3 -adrenoceptor inhibition of acetylcholine release from aged urinary bladders may be linked to adenosine outflow limitations

Diogo Silva, Isabel Silva, Fátima Ferreirinha, Cátia Vieira and Paulo Correia-de-Sá

15:45 – A151-loaded small extracellular vesicles from 3D MSC cultures enhance immunosuppression and alleviate ulcerative colitis manifestations

Sérgio P Camões, Özlem Bülut, Irem Evcili, Ihsan Gürsel, Joana P Miranda

16:00 – Animal model of experimental periodontitis for testing new pharmacological approaches

Rita Modesto, João Estarreja, Vanessa Machado, João Rocha, Rui Pinto, Vanessa Mateus

Session 18 – Room 4 CIM

Chairs: Maria Augusta Vieira-Coelho & Fernando Fernandez-Llimos

14:45 – Concurrent stress modulates the acute and post-acute effects of psilocybin in a sex-dependent manner

Miguel Farinha-Ferreira, Catarina Miranda-Lourenço, Chloé Galipeau, Zsolt Lenkei & Ana M. Sebastião

15:00 – A security toxicity study of a new peptide for Alzheimer's Disease treatment

Henrique Atalaia-Barbacena, Mafalda Ferreira-Manso, Leonor Ribeiro-Rodrigues, Sara Inteiro-Oliveira, Tiago Costa-Coelho, Ana Maria Sebastião, Rui Pinto, Maria José Diógenes

15:15 – Losartan has no impact on increased gut Angiotensin Converting Enzyme Activity in streptozotocin-induced diabetic rats

Marisa Esteves-Monteiro, Joana Castanheira-Moreira, Lilian Caroline Gonçalves Oliveira, Dulce Elena Casarini, Manuela Morato and Margarida Duarte-Araújo

15:30 – L-DOPA and catecholamines levels in the cerebrospinal fluid in Alzheimer's and frontotemporal dementia

Isabel Portela Moreira, Paula Serrão, Madalena Pinto, Liliana Mendonça, Maria José Sá, Lucinda Sequeira, Joana Guimarães, Maria Augusta Vieira Coelho

15:45 – Effect of different renal function estimative equations on carboplatin dose calculation

Ana Rita Fortunato, Cátia Barbosa, Ariana Araújo, Fernando Fernandez-Llimos

16:30

Closing session – Auditorium CIM