



Reunião Anual
5-7 Fevereiro
2020

5 de Fevereiro
Quarta-feira

13:30 Abertura Secretariado - Unidade Central do Pólo das Ciências da Saúde

14:30 – 15:00h Cerimónia Oficial da Abertura da 50.^a Reunião da Sociedade Portuguesa de Farmacologia, 38.^a Reunião de Farmacologia Clínica e 19.^a Reunião de Toxicologia.

Auditório da Unidade Central

Reitor da Universidade de Coimbra
Director da Faculdade de Farmácia da Universidade de Coimbra
Presidente da Sociedade Portuguesa de Farmacologia
Comissão Organizadora

15:00 – 15:45h – Conferência de Abertura

**PROSPECTS FOR GENE THERAPEUTICS IN NEURODEGENERATIVE DISEASES:
FROM PRE-CLINICAL MODELS TO HUMAN PATIENT TRIALS**

Mimoun Azzouz, UK

Auditório da Unidade Central

Moderadores: Félix Carvalho / Luís Pereira de Almeida / Ana Maria Sebastião

Auditório da Unidade Central – (16:00 – 17:30h)

Anfiteatro II – (16:00 – 17:30h)

Sessão 1 – Neurofarmacologia I

Moderadores: Pedro Gomes / Jorge Oliveira / Carlos Fontes Ribeiro

Sessão 2 – Toxicologia I

Moderadores: Joana Miranda / Maria de Lourdes Bastos / Dulce Cotrim

16:00 1.1 – OPTOGENETIC MANIPULATION OF ADENOSINE A_{2A} RECEPTOR-DEPENDENT PATHWAYS IN THE BASOLATERAL AMYGDALA

Vanessa S. Lourenço, Ângelo R. Tomé, Rodrigo A. Cunha, Paula M. Canas, Ana P. Simões

16:00 2.1 – THE “CRIME OF FLORES STREET”: LANDMARK IN THE GENESIS OF PHARMACOLOGY AND TOXICOLOGY IN PORTUGAL

Ricardo Jorge Dinis-Oliveira

16:10 1.2 – EXERCISING NEURAL STEM CELLS: EXPLORING THE EFFECTS OF CANNABINOIDS AND NEUROTROPHIC FACTORS IN ADULT HIPPOCAMPAL NEUROGENESIS

Rui S Rodrigues, João B Moreira, Ana M Sebastião, Carlos P Fitzsimons, Sara Xapelli

16:10 2.2 – IN VITRO TOXICITY OF CERAMIC NANOPARTICLES IN 3D HUMAN AIRWAY EPITHELIAL CULTURES

Maria João Bessa, Fátima Brandão, Apostolos Salmattonidis, Adriana Vulpoi, Mar Viana, Flemming Cassee, Sónia Fraga, João Paulo Teixeira

16:20 1.3 – AN OPTIMIZED SPECTROPHOTOMETRIC ASSAY REVEALS INCREASED 2-ARACHIDONOYL GLYCEROL TURNOVER IN THE CEREBRAL CORTEX OF A RAT MODEL OF ALZHEIMER’S DISEASE

16:20 2.3 – ESTABLISHMENT OF HUMANE ENDPOINTS IN AN ANIMAL MODEL OF COLORECTAL CANCER IN MALE WISTAR RATS

	<u>Matilde S. Rodrigues</u> , Cândida Dias, Cláudia Ferreira, Anna Pliássova, Lisiane Souza, Ana Ledo, João Laranjinha, Rodrigo A. Cunha, Attila Köfalvi		<u>Rita Silva-Reis</u> , Mariana Mendes-Gonçalves, Catarina Castro-Ribeiro, Tiago Ferreira, Mário Ginja, Rita Ferreira, Paula A. Oliveira
16:30	1.4 – THE IMPACT OF CHRONIC AEROBIC PHYSICAL EXERCISE ON EMOTIONAL BEHAVIOR, NEUROCHEMISTRY AND CIRCULATING EXTRACELLULAR VESICLES <u>Julie Reis</u> , Mariana Rodrigues, Edna Soares, Hugo Ferreira, Inês Pita, Sofia D. Viana, Cristina Lemos, Nuno Lima, Tânia Soares Martins, José Catita, Ana Gabriela Henriques, Mónica Zuzarte, Tânia Martins-Marques, Henrique Girão, Aderbal S. Aguiar Jr, Carlos A. Fontes-Ribeiro, Frederico C. Pereira	16:30	2.4 – PERSISTENT ORGANIC POLLUTANTS AND WEIGHT LOSS-RELATED COMPENSATORY MECHANISMS: THE MISSING LINK <u>Inês Castela</u> , Cláudia Marques, Marta P. Silvestre, Ana Faria, Rosário Monteiro, Sílvia Ribeiro Coutinho, Cátia Martins, Virgínia Cruz Fernandes, Valentina Domingues, Conceição Calhau, Diogo Pestana, Diana Teixeira
16:40	1.5 – ASTROCYTIC DN-SNARE EXPRESSION ABOLISHES ACUTE A β EFFECTS IN SYNAPTIC PLASTICITY <u>Joana I. Gomes</u> , João Fonseca-Gomes, Hugo Vicente Miranda, Ana M. Sebastião, Maria J. Diógenes, Sandra H. Vaz	16:40	2.5 – UNRAVELLING MICROBIOTA CONTRIBUTION FOR METABOLIC DYSFUNCTION TRIGGERED BY CHRONIC EXPOSURE TO p,p'-DDE <u>Duarte Claro</u> , Lúcia Sousa, Cláudia Marques, Diana Teixeira, Conceição Calhau, Ana Faria, Diogo Pestana
16:50	1.6 – IMPACT OF TRAUMATIC BRAIN INJURY ON ASTROCYTES: ROLE OF NEUROPEPTIDE Y <u>Ricardo A. Leitão</u> , José Luis Alves, Ana Luisa Bernardo, Carlos A Fontes-Ribeiro, Ana Paula Silva	16:50	2.6 – VOLATILE METABOLITES AS POTENTIAL RENAL CELL CARCINOMA BIOMARKERS – AN IN VITRO APPROACH <u>Filipa Amaro</u> , Joana Pinto, Márcia Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho
17:00	1.7 – HUNTINGTIN PROTEIN SPECIES AND HSP70 LEVELS CONDITION THE PHARMACOLOGICAL MODULATION OF HSP70 IN HUNTINGTON'S DISEASE Brígida R. Pinho, Sara D. Reis, Tânia R. Soares, Michael Duchén, <u>Jorge M. A. Oliveira</u>	17:00	2.7 – THE EFFECT OF METHYLMERCURY IN MICROGLIA-MEDIATED NEUROINFLAMMATION <u>Beatriz CR Martins</u> , Raposo RS, Pereira FC, Oriá R.B, Fontes-Ribeiro C, Malva, JO
17:10	1.8 – EFFECT OF ASTROCYTIC A _{2A} RECEPTORS ON HIPPOCAMPAL SYNAPTIC PLASTICITY AND MEMORY <u>Daniela Madeira</u> , Cátia Lopes, Ana P. Simões, Paula M. Canas, Rodrigo A. Cunha, Paula Agostinho	17:10	2.8 – EVALUATION OF THE TOXICITY INDUCED BY ANTICANCER DRUGS IN MALE CD-1 MICE AT DIFFERENT AGING STAGES: AN IN VIVO STUDY <u>Ana Reis-Mendes</u> , Margarida Duarte-Araújo, José Alberto Duarte, Salomé Gonçalves-Monteiro, Fernando Remião, Félix Carvalho, Emília Sousa, Maria Lourdes Bastos, and Vera Marisa Costa
17:20	1.9 – INCREASED ROS SIGNALLING WITH MITOPARAQUAT DISTURBS CELLULAR PROTEOSTASIS AND INDUCES PARKINSONIAN PHENOTYPES IN ZEBRAFISH Brígida R Pinho, <u>Ângela Oliveira</u> , Richard Hartley, Michael Murphy, Jorge MA Oliveira	17:20	2.9 – p,p'-DDE EFFECT ON MICROGLIA ACTIVATION <u>Lúcia Sousa</u> , Duarte Claro, Diana Teixeira, Cláudia Marques, Conceição Calhau, Diogo Pestana, Ana Faria

18:00 – 19:30 Sessão comemorativa do 50º Aniversário da SPF
Museu Machado de Castro

6 de Fevereiro
Quinta-feira

08:30 Abertura Secretariado - Unidade Central do Pólo das Ciências da Saúde

Auditório da Unidade Central – (09:00 – 11:00)

Anfiteatro II – (09:00 – 11:00)

Sessão 3 – Farmacologia do Sistema Cardiovascular /Farmacologia do Sistema Renal

Moderadores: Sofia Pereira / Vera Marisa Costa / Natália António

Sessão 4 – Farmacologia do Sistema Endócrino/Farmacologia do Sistema Gastrointestinal

Moderadores: Sílvia Conde / Manuela Morato / Sónia Silva

09:00 **3.1** – EFFECT OF HYDROXYTYROSOL ON HYPERTENSION INDUCED BY CHRONIC INTERMITTENT HYPOXIA

M. João Correia, Nuno R. Coelho, Elsa Mecha, Sandra Silva, Teresa Serra, Maria R. Bronze, Emília C. Monteiro, Sofia A. Pereira

09:00 **4.1** – TISSUE-SPECIFIC MODULATION OF GLUCOSE UPTAKE AND LIPID METABOLISM BY DOPAMINERGIC SIGNALLING

Gabriela Tavares, Bernardete F. Melo, Fátima O. Martins, Paulo Matafome, Sílvia V. Conde

09:10 **3.2** – PERIPHERAL DOPAMINE β -HYDROXYLASE INHIBITION AMELIORATES HIGH BLOOD PRESSURE IN A MODEL OF DRUG-RESISTANT HYPERTENSION

Bruno Igreja, Nuno Pires, Maria João Bonifácio, Patrício Soares-da-Silva

09:10 **4.2** – EFFECT OF BROMOCRIPTINE IN IMPROVING NON-ALCOHOLIC FATTY LIVER DISEASE IN OBESE ANIMAL MODEL OF TYPE 2 DIABETES

Cátia Barra, Ana Costa, Gabriela Tavares, Daniela Marques, Tiago Rodrigues, Joana Sacramento, Bernardete Melo, Raquel Seça, Sílvia Vilares Conde, Paulo Matafome

09:20 **3.3** – THE DIGITALIS-LIKE PHENOMENON OF P2X4 RECEPTOR ACTIVATION REDUCES HEART RATE AND INCREASES VENTRICULAR INOTROPY

Bruno Bragança, Sílvia Nogueira-Marques, Fátima Ferreirinha, Ana Patrícia Fontes-Sousa, and Paulo Correia-de-Sá

09:20 **4.3** – TARGETING THE NEUROENDOCRINE SYSTEM TO SLOW DOWN SKIN AGING

Ana Catarina Franco, Marisa Ferreira-Marques, André Carvalho, Sara Carmo-Silva, Mariana Botelho, Cláudia Cavadas, Célia Aveleira

09:30 **3.4** – EFFECTS OF DOXORUBICIN AND MITOXANTRONE ON MICE CARDIAC MITOCHONDRIAL PROTEOME

Sofia Reis Brandão, Ana Reis-Mendes, Félix Carvalho, Maria Lourdes Bastos, Rita Ferreira, Vera Marisa Costa

09:30 **4.4** – DOES GPR30 MEDIATE ESTROGEN ACTIONS IN HUMAN CHONDROCYTES? EVALUATION OF ITS EXPRESSION AND FUNCTION

Madalena Ribeiro, Cátia Sousa, Ana Teresa Rufino, Fernando Judas, Alexandrina Ferreira Mendes

09:40 **3.5** – THE ANTIHYPERTENSIVE EFFECT OF AHR ANTAGONIST IS RELATED TO CIRCADIAN VARIATION OF BLOOD PRESSURE IN CHRONIC INTERMITTENT HYPOXIA CONDITION

Nuno R. Coelho, M. João Correia, António Pimpão, Sofia A. Pereira, Emília C. Monteiro

09:40 **4.5** – A COMPARISON BETWEEN THE EFFECTIVENESS IN CLINICAL PRACTICE VERSUS THE EFFICACY IN CLINICAL TRIALS OF DIPEPTIDYL PEPTIDASE-4 INHIBITORS FOR TYPE 2 DIABETES: PROTOCOL FOR SYSTEMATIC REVIEW

Francisco Batel Marques, Diogo Pereira, Diogo Mendes, Carlos Alves, Ana Penedones

09:50 **3.6** – VASCULAR EFFECTS OF INFUSION AND FRACTIONS OF CYMBOPOGON CITRATUS (DC) STAPF. IN ISOLATED HUMAN THORACIC ARTERIES

Daniela M. Simões, Diogo A. Fonseca, Jéssica Malheiros, Pedro E. Antunes, Artur Figueirinha, Maria Dulce Cotrim

09:50 **4.6** – IMPACT OF THE CAROTID SINUS NERVE RESECTION ON HEPATIC FUNCTION OF YOUNG AND OLD ANIMALS WITH METABOLIC DYSFUNCTIONS EXACERBATED BY LONG-TERM HYPERCALORIC DIET CONSUMPTION

Cláudia C. Batista, Joana F. Sacramento, Bernardete F. Melo, Cláudia S. Prego, Sílvia V. Conde

<p>10:00 3.7 – ZAMICASTAT, IS A NONCOMPETITIVE DOPAMINE β-HYDROXYLASE INHIBITOR THAT IMPROVES SURVIVAL IN THE RAT MONOCROTALINE MODEL OF PULMONARY ARTERIAL HYPERTENSION <u>Eduardo Moura</u>, Filipa Sousa, Ana I. Loureiro, Maria João Bonifácio, Patrício Soares-da-Silva</p>	<p>10:00 4.7 – NON-NEURAL CELLS CONTRIBUTION TO ANGIOTENSIN II-MEDIATED CONTRACTIONS IN A RAT MODEL OF COLITIS <u>Mariana Ferreira-Duarte</u>, Tiago Rodrigues-Pinto, Fernando Magro, Margarida Duarte-Araújo, Manuela Morato</p>
<p>10:10 3.8 – SERUM AND URINARY LIPOXINS PROFILES IN PATIENTS WITH ACUTE HEART FAILURE AND CARDIOGENIC SHOCK <u>Marta Reina-Couto</u>, Carolina Silva-Pereira, Janete Quelhas-Santos, Álvaro Duarte, Dora Pinho, Paula Serrão, Joana Afonso, Roberto Roncon-Albuquerque, José Artur Paiva, António Albino-Teixeira, Teresa Sousa</p>	<p>10:10 4.8 – DEVELOPMENT OF IN VITRO APPROACHES TO EVALUATE HYPOTHALAMIC INSULIN SIGNALING IN METABOLIC DYSFUNCTIONS <u>Helena Leal</u>, Marisa Ferreira-Marques Célia Aveleira, Pedro Gomes, Cláudia Cavadas</p>
<p>10:20 3.9 – ELUCIDATING THE MOLECULAR PLAYERS BEHIND ENDOTHELIAL DAMAGE INDUCED BY HYPERCALORIC DIETS IN THE PULMONARY ARTERIES <u>Bernardete F. Melo</u>, Jesus Prieto-Lloret, Marlene Cabral, Inês B. Martins, Joana F. Sacramento, Sílvia V. Conde</p>	<p>10:20 4.9 – CAROTID SINUS NERVE RESECTION IMPROVES WEIGHT GAIN AND GLUCOSE HOMEOSTASIS THROUGH AMELIORATION OF ADIPOSE TISSUE FUNCTION IN MICE: IS THERE A ROLE FOR 2-ADRENERGIC SIGNALLING? <u>Joana F. Sacramento</u>, Aidan Falvey, Bernardete F. Melo, Sílvia V. Conde, Philippe Blancou</p>
<p>10:30 3.10 – VASCULAR EFFECTS OF EXTRACTS FROM AGRIMONIA EUPATORIA L., FRAGARIA VESCAL. AND URTICA DIOICA L. <u>Jéssica Malheiros</u>, Diogo A. Fonseca, Daniela M. Simões, Pedro Antunes, Artur Figueirinha, Maria Dulce Cotrim</p>	<p>10:30 4.10 – PRELIMINARY STUDY TOWARDS A CHRONIC EXPERIMENTAL MODE TO STUDY INFLAMMATORY BOWEL DISEASE <u>Inês Silva</u>, Rui Pinto, Vanessa Mateus</p>
<p>10:40 3.11 – EFFICACY AND SAFETY OF SIROLIMUS IN THE TREATMENT OF VASCULAR ANOMALIES: A SYSTEMATIC REVIEW <u>Cristiana Freixo</u>, Vítor Ferreira, Joana Martins, Rui Almeida, Daniel Caldeira, Mário Rosa, João Costa, Joaquim Ferreira</p>	<p>10:40 4.11 – THE SOUR SIDE OF BLUEBERRY SUPPLEMENTATION IN HEALTH <u>Sara Nunes</u>, Sofia Viana, André Alves, Inês Preguiça, Rosa Fernandes, Anabela P. Rolo, Carlos M. Palmeira, Cláudia Cavadas, Maria M. Pintado, Flávio Reis</p>
<p>10:50 3.12 – RATIONAL FOR THERAPEUTIC USAGE OF MUSCARINIC M2 RECEPTOR ANTAGONISTS PLUS β3 RECEPTOR AGONISTS IN OVERACTIVE BLADDER <u>Cátia Vieira</u>, Ana Sofia Dias, Isabel Silva, Diogo Silva, Ana Filipa Costa, Maria Alexandrina Timóteo, Paulo Correia-de-Sá</p>	<p>10:50 4.12 – DEVELOPMENT OF A CURCUMIN DERIVATIVE WITH HYPOGLYCEMIC PROPERTIES: IMPACT ON OXIDATIVE STRESS AND ENDOTHELIAL FUNCTION IN TYPE 2 DIABETES <u>Sara Oliveira</u>, Tamaeh Monteiro, Rita Henriques, Carlos Fontes Ribeiro, Raquel Seça, Célia Cabral, Teresa Cruz, Fátima Piedade, M. Paula Robalo, Paulo Matafome, Sónia Silva</p>
<p>11:00 3.13 – RENAL EFFECTS OF BLUEBERRY JUICE IN A PREDIABETIC RAT MODEL INDUCED BY HYPERCALORIC DIET <u>André Alves</u>, Inês Preguiça, Adelaide Barbosa, Pedro Vieira, Diana Martins, Sara Nunes, Sofia Viana, Flávio Reis</p>	<p>11:00 4.13 – GENDER-DIFFERENCES ON ADENOSINE RECEPTORS MEDIATION OF INSULIN SENSITIVITY <u>Fátima O. Martins</u>, Joana F. Sacramento, Maria J. Ribeiro, Bernardete F. Melo, Elena Olea, Sílvia V. Conde</p>

11:10-11:30 Pausa para café

11:30-13:30 – Assembleia Geral da SPF | Auditório da Unidade Central

12:30 – 14:30 – Almoço de trabalho (mediante inscrição) – Faculdade Farmácia | Pólo das Ciências da Saúde

14:30 – 15:15h – Industry Sponsored Conference

Assessment of potential neuroprotective effects of tobacco compounds in a human dopaminergic *in vitro* model of Parkinson's disease.

Carole Mathis

Auditório da Unidade Central

Moderadores: Patrício Soares da Silva / Cláudia Cavadas / Rodrigo Cunha

Auditório da Unidade Central – (15:30 – 17:00)

Anfiteatro II – (15:30 – 17:00)

Sessão 5 – Farmacologia Clínica

Moderadores: Hélder Mota-Filipe / Paula Fresco / Francisco Batel Marques

Sessão 6 – Terapias Moleculares e Celulares I

Moderadores: João Rocha / Paulo Correia de Sá / Francisco Ambrósio

15:30 **5.1** – THE SCIENTIFIC IMPACT OF COMMERCIAL AND NON-COMMERCIAL CLINICAL TRIALS IN PORTUGUESE INSTITUTIONS

Maria Andrade, Daniela Matias, Joana Batuca, Helder Mota-Filipe, Emília C. Monteiro, Catarina Madeira

15:30 **6.1** – STRESS GRANULES CROSSTALK WITH AUTOPHAGY IN A CONTEXT OF POLYGLUTAMINE DISEASES

Rebekah Koppenol, Adriana Marcelo, Carlos Matos, Sara Carmo-Silva, Luís Pereira de Almeida, Clévio Nóbrega

15:40 **5.2** – MEDICATION RECONCILIATION ON ADMISSION TO AN INTERNAL MEDICINE SERVICE IN A PORTUGUESE UNIVERSITARY HOSPITAL: A PROSPECTIVE STUDY

Tháís Colombo Costa e Silva, Marisa Manuela Cardoso Caetano, José António Lopes Feio, Patrícia Glória Dinis Dias, Catarina Brochado Alves e Cunha, Marta Lavrador, Fernando Fernandez-Llimos, Isabel Vitória Figueiredo, Marília João Rocha, Maria Margarida Castel-Branco

15:40 **6.2** – RATIONAL FOR INDIVIDUALIZED USAGE OF P2Y₁R AGONISTS WITH P2Y₁₂R BLOCKERS TO PROMOTE OSTEOGENESIS IN POST-MENOPAUSAL WOMEN

Catarina Bessa-Andrês, Rui Pinto-Cardoso, Maria Adelina Costa, José Marinhos, Rolando Freitas, Cátia Vieira, José Bernardo Noronha-Matos, Paulo Correia-de-Sá

15:50 **5.3** – INVESTIGATOR-INITIATED CLINICAL TRIALS (IICTs) IN PORTUGAL: CLINICAL INVESTIGATOR NEEDS AND SUPPORT FROM CLINICAL RESEARCH INFRASTRUCTURE NETWORKS

Daniela Matias, Maria Andrade, Catarina Madeira, Afonso Cavaco, Emília C. Monteiro, Joana R. Batuca

15:50 **6.3** – INFLAMMATION IMPAIRS RETINAL PIGMENT EPITHELIAL BARRIER FUNCTION: THE ROLE OF DIRECTIONAL-RELEASED EXOSOMES

Beatriz Martins, Teresa Rodrigues, José Ramalho, António Francisco Ambrósio, Henrique Girão, Rosa Fernandes

16:00 **5.4** – TO CONDUCT AND REPORT SYSTEMATIC REVIEWS ON DRUG'S SAFETY: COMPARISON BETWEEN TWO RECOMMENDATIONS

Ana Penedones, Carlos Alves, Francisco Batel Marques

16:00 **6.4** – ADENOSINE A 2A AND A 2B RECEPTORS PLAY DIFERENTIAL ROLES IN CHONDROGENIC VS. OSTEOGENIC DIFFERENTIATING BONE-MARROW MESENCHYMAL STROMAL CELLS FROM AGED WOMEN

Flávio Pereira-Costa, Rui Pinto-Cardoso, Catarina Bessa-Andrês, Rolando Freitas, José Marinhos, Rui Lemos, Paulo Correia-de-Sá, José Bernardo Noronha-Matos

16:10 **5.5** – ADJUSTMENT OF DIRECT ORAL ANTICOAGULANTS IN PATIENTS WITH CARDIAC IMPLANTABLE DEVICES AND

16:10 **6.5** – THE SECRETOME OF MSC 3D CULTURES: THERAPEUTIC ROLE OF EXOSOMES FOR CUTANEOUS WOUND HEALING

<p>NON-VALVULAR ATRIAL FIBRILLATION: INFLUENCE ON THE OUTCOMES <u>Joana Santos</u>, Ana Fortuna, Ana Rita Mendes, Lino Gonçalves, Marília João Rocha, Natália António</p>	<p><u>Sérgio P Camões</u>, Joana S Rodrigues, Catarina T Dias, Manuela Gaspar, Sandra Simões, Volkan Yasar, Rita Ferreira, Rui Vitorino, Ihsan Gürsel, Joana P Miranda</p>
<p>16:20 5.6 – PREDICTIVE VALUE OF ANTICHOLINERGIC BURDEN TOOLS FOR CLINICAL OUTCOMES: RELEVANCE OF EFFECT SIZE MEASURES <u>Marta Lavrador</u>, Ana C. Cabral, Isabel V. Figueiredo, Manuel T. Veríssimo, Fernando Fernandez-Llimos, M. Margarida Castel-Branco</p>	<p>16:20 6.6 – HUMAN IPSC-DERIVED NEUROEPITHELIAL STEM CELLS FOR CELL-BASED THERAPY IN MACHAD-JOSEPH DISEASE <u>Daniel Henriques</u>, Liliana S. Mendonça, Vanessa Fernandes, Ricardo Moreira, Ana C. Vinhas, Rosário Faro, Sónia Duarte, Jens C. Schwamborn, Luís Pereira de Almeida</p>
<p>16:30 5.7 – AN ANALYSIS OF THE HEALTH-STATE UTILITIES OF ECONOMIC STUDIES EVALUATING OPHTHALMIC DRUGS: A SYSTEMATIC REVIEW <u>Inês Ribeiro</u>, Francisco Batel Marques, Diogo Mendes, Carlos Alves</p>	<p>16:30 6.7 – COMPARISON OF THE INFLAMMATORY PROFILE IN PATIENTS WITH CARDIOGENIC SHOCK OR SEPTIC SHOCK <u>Carolina Silva-Pereira</u>, Marta Reina-Couto, Janete Quelhas-Santo, Dora Pinho, Paula Serrão, Joana Afonso, Roberto Roncon-Albuquerque, José Artur Paiva, António Albino-Teixeira, Teresa Sousa</p>
<p>16:40 5.8 – INVESTIGATOR INITIATED CLINICAL TRIALS (IICTS): A SYSTEMATIC SEARCH IN REGISTRIES COMPARING TWO EUROPEAN COUNTRIES WITH AND WITHOUT A FUNDING AGENCY SPECIFIC FOR CLINICAL RESEARCH <u>Joana R. Batuca</u>, Catarina Madeira, Lenka Hořavová,, Francisco dos Santos, Katerina Nebeska, Lenka Souckova, Christine Kubiak, Jacques Demotes, Regina Demlová, Emília C. Monteiro</p>	<p>16:40 6.8 – OVEREXPRESSION OF A SPECIFIC RNA-BINDING PROTEIN AMELIORATES SEVERAL ABNORMALITIES IN CELLULAR MODELS OF PROGERIA <u>Rafael G. Costa</u>, Célia Avelaira, Clévio Nóbrega</p>
<p>16:50 5.9 – THE ROLE OF DAIRY INTAKE ON IODINE STATUS IN PREGNANT WOMEN: DATA FROM THE IOMUM COHORT <u>Pedro Ferreira</u>, C.Pinheiro, C.Matta Coelho, J.Guimarães, G.Pereira, N.Xavier Moreira, A.Cortez, I.Bracchi, D.Pestana, I.Mota, C.Prucha, C.Martins, C.Alves Ribeiro, E.Pinto, A.Almeida, C.Delerue-Matos, N.Montenegro; C.Camila Dias, A.Moreira-Rosário, L.F.Ribeiro de Azevedo, C.Ramalho, V.Cruz Fernandes, C.Calhau, J.Costa Leite, E.Keating</p>	<p>16:50 6.9 – EXTRACELLULAR VESICLES FOR TREATMENT OF MACHADO-JOSEPH DISEASE <u>David Rufino-Ramos</u>, Vítor Carmona, Inês M. Martins, Kevin Leandro, Patrícia R. Albuquerque, Rosário Faro, Rita Perfeito, Henrique Girão, Rui Jorge Nobre, Luís Pereira de Almeida</p>
<p>17:00 5.10 – THE IMPACT OF IODINE AND SELENIUM MATERNAL LEVELS ON NEONATAL ANTHROPOMETRY: RESULTS FROM THE IOMUM COHORT STUDY <u>Juliana Guimarães</u>, C.Matta Coelho, C.Pinheiro, P.Ferreira,, G.Pereira, N.Xavier Moreira, A.Cortez, I.Bracchi, D.Pestana, I.Mota, C.Prucha, C.Martins, C.Alves Ribeiro, E.Pinto, A.Almeida, C.Delerue-Matos, N.Montenegro; C.Camila Dias, A.Moreira-Rosário, L.F.Ribeiro de Azevedo, C.Ramalho, V.Cruz Fernandes, C.Calhau, J.Costa Leite, E.Keating</p>	<p>17:00 6.10- PRO-ANABOLIC AND ANTI-INFLAMMATORY <i>EFFECTS OF NPY IN HEALTHY AND OSTEOARTHRITIC</i> HUMAN ARTICULAR CHONDROCYTES <u>Caren Rodrigues</u>, C. Sousa, I. Ferreira, F. Judas, C. Cavadas, AF Mendes</p>
<p>17:10-17:30 Pausa para café</p>	

Auditório da Unidade Central – (17:30 – 19:00)**Anfiteatro II – (17:30 – 19:00)****Sessão 7 – Neurofarmacologia II****Moderadores:** Paula Canas / Maria José Diógenes / Catarina Gomes

17:30 **7.1** – NICOTINIC $\alpha 7$ RECEPTOR-INDUCED ADENOSINE RELEASE FROM PERISYNAPTIC SCHWANN CELLS CONTROLS ACETYLCHOLINE SPILLOVER FROM MOTOR ENDPLATES
José Bernardo Noronha-Matos, Laura Oliveira, Ana Rita Peixoto, Liliana Almeida, Lilian Castellão-Santana, Célia Regina Ambiel, Wilson Alves-do Prado, Paulo Correia-de-Sá

17:40 **7.2** – THE EFFECTS OF DOXORUBICIN AND MITOXANTRONE IN MICE BRAIN AT DIFFERENT AGING STAGES: AN IN VIVO CHEMOBRAIN STUDY
Ana Dias-Carvalho, Ana Reis-Mendes, Margarida Duarte-Araújo, Félix Carvalho, Maria de Lourdes Bastos, Susana I. Sá, João Paulo Capela, Vera Marisa Costa

17:50 **7.3** – EFFECT OF REPEATED RESTRAINT STRESS ON SYNAPTIC TRANSMISSION IN THE BASOLATERAL COMPLEX OF THE AMYGDALA - ROLE OF ADENOSINE A_{2A} RECEPTORS
Anna Pliássova, Samira Ferreira, Margarida Henriques Pedro Valada, Paula Agostinho, Rodrigo A. Cunha

18:00 **7.4** – THE ROLE OF METABOLIC REPROGRAMMING AND NAD(P)H POOLS UPON PROTEOSTASIS AND STRIATAL VULNERABILITY IN HUNTINGTON'S
Tânia R. Soares, Brígida R. Pinho, Michael M. Duchon, Jorge M. A. Oliveira

18:10 **7.5** – CANNABIDIOL (CBD) DIFFERENTIALLY AFFECTS RESTING AND DEPOLARIZATION-EVOKED $[^3\text{H}]$ GABA AND $[^{14}\text{C}]$ GLUTAMATE RELEASE FROM HIPPOCAMPAL NERVE TERMINALS OF IMMATURE AND ADULT RATS
Ana Caulino-Rocha, Rafael Neiva, M. Graça Lobo, Paulo Correia-de-Sá

18:20 **7.6** – PRIDOPIDINE RESCUES MITOCHONDRIAL FUNCTION IN HUMAN AND MOUSE HUNTINGTON'S DISEASE MODELS THROUGH SIGMA-1 RECEPTOR
Luana Naia, Philip Ly, Sandra I. Mota, Carla Lopes, Carina Maranga, Michal Geva, Michael R. Hayden, A. Cristina Rego

18:30 **7.7** – CROSSTALK BETWEEN CANNABINOID CB 1 AND INSULIN-LIKE GROWTH FACTOR-1 RECEPTORS OPPOSITELY SHAPES THE ACTIVITY OF HIPPOCAMPAL CA3-CA1 SYNAPSES IN FASTED AND FED RATS

Sessão 8 – Farmacocinética**Moderadores:** Gilberto Alves / Maria João Bonifácio / Margarida Castel-Branco

17:30 **8.1** – PHARMACOKINETICS OF ZONISAMIDE AFTER INTRANASAL ADMINISTRATION TO MICE
Joana Gonçalves, Gilberto Alves, Andreia Carona, Soraia Silva, Filipa Gouveia, Joana Bicker, Amílcar Falcão, Ana Fortuna

17:40 **8.2** – ABSORPTION, DISTRIBUTION AND EXCRETION OF $[^{14}\text{C}]$ ZAMICASTAT AFTER SINGLE ORAL AND INTRAVENOUS ADMINISTRATION IN RATS AND DOGS
Ana I. Loureiro, Francisca Araújo, Maria João Bonifácio, Patrício Soares-da-Silva

17:50 **8.3** – UNDERSTANDING NOSE-TO-BRAIN ANTIDEPRESSANT DELIVERY: A COMPREHENSIVE IN VITRO/IN VIVO APPROACH
Soraia Silva, Carla Vitorino, Gilberto Alves, Joana Bicker, Amílcar Falcão, Ana Fortuna

18:00 **8.4** – INFLUENCE OF CO-MEDICATION ON LEVETIRACETAM PHARMACOKINETICS IN EPILEPTIC PATIENTS
Rui Silva, Anabela Almeida, Joana Bicker, Andreia Carona, Francisco Sales, Amílcar Falcão, Ana Fortuna

18:10 **8.5** – IN VITRO SPECIES DIFFERENT METABOLISM AND CYP PHENOTYPING OF ZAMICASTAT
Ana I. Loureiro, Joana Rebouta, Maria João Bonifácio, Patrício Soares-da-Silva

18:20 **8.6** – HEPA-RG CELLS AS A PROMISING IN VITRO MODEL TO STUDY THE METABOLIC KINETICS OF PERAMPANEL, RUFINAMIDE AND STIRIPENTOL AND TO PREDICT DRUG INTERACTIONS MEDIATED BY METABOLIC INDUCTION
Sara Meirinho, Márcio Rodrigues, Ana Fortuna, Amílcar Falcão, Gilberto Alves

18:30 **8.7** – HIGH PERFORMANCE LIQUID CHROMATOGRAPHY COUPLED TO DIODE ARRAY TO SUPPORT PHARMACOKINETIC MONITORING OF APIXABAN, DABIGATRAN, EDOXABAN AND RIVAROXABAN

Carla S. Santos-Silva, Carolina Xavier, Paula Valente-Silva, Inês Dinis, Cláudia Ferreira, Paula Canas, Henrique B. Silva, Rodrigo A. Cunha, Attila Köfalvi

18:40 **7.8** – THE INTERPLAY BETWEEN REDOX SIGNALLING AND PROTEOSTASIS IN HUNTINGTON’S DISEASE: IN VIVO EFFECTS OF MITOQ IN R6/2 MICE
Brígida R. Pinho, Ana I. Duarte, Paula M. Canas, Paula I. Moreira, Michael P. Murphy, Jorge M. A. Oliveira

Filipa Gouveia, Joana Santos, Joana Bicker, Joana Gonçalves, Soraia Silva, Amílcar Falcão, Marília Rocha, Ana Fortuna

18:40 **8.8** – A NOVEL SEMI-SOLID VEHICLE FOR VOLUNTARY ORAL DRUG DOSING IN EXPERIMENTAL RODENTS
Inês Preguiça, Beatriz Martins, Sara Nunes, André Alves, Filipe Palavra, Rosa Fernandes, Sónia Santos, Zélia Barbosa, Diana Lima, Carlos Fontes Ribeiro, Flávio Reis, Sofia Viana

19:30 Jantar de Gala (mediante inscrição) | **Adega Rama**

08:30 **Abertura Secretariado** - Unidade Central do Pólo das Ciências da Saúde

Auditório da Unidade Central – (09:00 – 11:00)

Anfiteatro II – (09:00 – 11:00)

Sessão 9 – Neurofarmacologia III

Moderadores: Glória Queiroz / Frederico Pereira / Ana Fortuna

Sessão 10 – Farmacologia oncológica I

Moderadores: Lucília Saraiva / Carmen Diniz / Ana Paula Silva

09:00 **9.1** – DO NOT JUDGE A RAT BY ITS (FORCED) SWIMMING: EXPLORING THE CONTRADICTORY AFFECTIVE BEHAVIORAL EFFECTS OF CHRONIC ADOLESCENT HU-210 EXPOSURE
Miguel F. Ferreira, Nádia Rei, João Fonseca-Gomes, Joana I. Gomes, Francisco M. Mouro, Ana M. Sebastião

09:00 **10.1** – APE1 REDOX INHIBITOR E3330 AS A POTENTIATOR OF CISPLATIN THERAPY IN NON-SMALL CELL LUNG CANCER
Rita Manguinhas, Ana Sofia Fernandes, João G. Costa, Nuno Saraiva, Sérgio P. Camões, Nuno Gil, Rafael Rosell, Matilde Castro, Joana P. Miranda, Nuno G. Oliveira

09:10 **9.2** – HIGHER RESILIENCE TO STRESS IN A MODEL OF ANXIETY AND SEX-SPECIFIC CHANGES IN MICROGLIA MORPHOLOGY IN THE NUCLEUS ACCUMBENS
Rita Gaspar, Carina Soares-Cunha, Bárbara Coimbra, Ana Verónica Domingues, Filipa I. Baptista, Nuno Sousa, António F. Ambrósio, Ana João Rodrigues, Catarina A. Gomes

09:10 **10.2** – VGF-SECRETED PEPTIDE DERIVED FROM BRAIN METASTATIC BREAST CANCER CELLS INDUCES BRAIN ENDOTHELIAL CELLS DYSFUNCTION
Liliana Santos, Rita Carvalho, Ricardo Leitão, Ana Sofia Ribeiro, Joana Paredes, Célia Gomes, Ana Paula Silva

09:20 **9.3** – INVOLVEMENT OF PURINERGIC RECEPTORS IN ASTROCYTIC Ca²⁺ DYNAMICS IN ALZHEIMER'S DISEASE CONDITIONS
Liliana Dias, Daniela Madeira, Rafael Dias, Ângelo R. Tomé; Rodrigo A. Cunha, Paula Agostinho

09:20 **10.3** – CASTANIA SATIVA MILL. FLOWERS AS POTENTIAL CHEMOPREVENTIVE AGENT AGAINST RAT PROSTATE CANCER MODEL
Elisabete Nascimento-Gonçalves, Mónica Silva, Fernanda Seixas, Margarida Fardilha, Rita Ferreira, Maria João Neuparth, Ana I. Faustino-Rocha, Bruno Colaço, Carlos Venâncio, Eduardo Rosa Lilian Barros, Isabel C.F.R. Ferreira, Maria Manuel Oliveira, Francisco Peixoto, Paula A. Oliveira

09:30 **9.4** – ELECTROPHILIC MOLECULES WITH ANTI-INFLAMMATORY AND NEUROPROTECTIVE PROPERTIES
Ana Silva, Marta Pereira, Gonçalo Brites, Bruno Neves, Patrícia Moreira, Rosa Resende, Maria Manuel Silva, Armanda E. Santos, Cláudia Pereira, Maria Teresa Cruz

09:30 **10.4** – REGULATION OF GLUCOSE METABOLISM, ANGIOGENESIS AND MIGRATION OF COLON CANCER BY THE P53 ACTIVATOR SLMP53-1
Juliana Calheiros, Helena Ramos, Joana Almeida, Valentina Barcherini, Maria M.M. Santos, Lucília Saraiva

09:40 **9.5** – PRENATAL EXPOSURE TO DEXAMETHASONE IMPROVES OFFSPRING DEVELOPMENT IN A SEX-INDEPENDENT MANNER
Alexandra Cruz, Carla Henriques, Sofia Ferreira, Sofia Galvão, Catarina Neves, Rita Gaspar, António Francisco Ambrósio, Catarina Gomes, Filipa Baptista

09:40 **10.5** – OSTEOSARCOMA CELL-DERIVED SECRETOME INDUCED STRUCTURAL LUNG DAMAGE FAVOURABLE FOR METASTASIS FORMATION
Sara F.F. Almeida, Nuno Lima, Tânia Martins-Marques, Teresa Ribeiro-Rodrigues, Rui C. Oliveira, Catarina O. Miranda, Luís Pereira de Almeida, Amílcar C. Falcão, Antero J. Abrunhosa, Célia Gomes

09:50 **9.6** – EFFECTS OF AN ORAL TREATMENT WITH THE SPECIALIZED PRO-RESOLUTION MEDIATOR MARESIN 1 ON

09:50 **10.6** – EFFICACY OF NEW REPURPOSING DRUGS IN BREAST CANCER THERAPY
Bárbara Costa, Irina Amorim, Fátima Gärtner, N. Vale

BEHAVIOURAL PAIN RESPONSES IN A MOUSE MODEL OF NEUROPATHIC PAIN
Luísa Teixeira-Santos, Teresa Sousa, António Albino-Teixeira, Dora Pinho

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| <p>10:00 9.7 – IMPACT OF ADENOSINE A_{2A} RECEPTOR BLOCKADE IN CEREBELLAR AND STRIATAL SYNAPTIC ALTERATIONS IN A MOUSE MODEL OF ANGELMAN SYNDROME
<u>Ana Moreira de Sá</u>, Francisco Q. Gonçalves, João P. Lopes, Henrique B. Silva, Ângelo R. Tomé, Rodrigo A. Cunha, Paula M. Canas</p> | <p>10:00 10.7 – THE FOOD BIOACTIVE ERUCIN IMPACTS HUMAN RENAL CANCER CELLS VIABILITY AND MIGRATION
<u>Íris Guerreiro</u>, Bojana Vidovic, João G. Costa, Nuno G. Oliveira, Nuno Saraiva, Ana S. Fernandes</p> |
| <p>10:10 9.8 – NEUROPROTECTIVE POTENTIAL OF THEOBROMINE AGAINST β-AMYLOID-INDUCED IMPAIRMENT OF SYNAPTIC PLASTICITY AND NEUROTOXICITY
<u>João P. Lopes</u>, Rodrigo A. Cunha</p> | <p>10:10 10.8 – CYTOTOXIC EFFECTS OF RUTIN ON RENAL CANCER CELLS
<u>Rita Caparica</u>, Ana Júlio, Maria Eduarda Machado Araújo, Tânia Santos de Almeida, João Guilherme Costa</p> |
| <p>10:20 9.9 – EFFECTS OF DOPAMINE - HYDROXYLASE INHIBITION IN A POST-TRAUMATIC STRESS DISORDER MICE MODEL
<u>Raquel Martinho</u>, Gabriela Correia, Rafaela Seixas, Ana Oliveira, Soraia Silva, Carlos Fernandes-Lopes, Cristina Costa, Paula Serrão, Mónica Moreira-Rodrigues</p> | <p>10:20 10.9 – IMPACT OF TMBIM FAMILY PROTEINS IN GLIOBLASTOMA
<u>Marta Martins</u>, Ana Fernandes, Hélène Castel, Nuno Saraiva</p> |
| <p>10:30 9.10 – EARLY DEVELOPMENTAL AND SOCIAL DEFICITS IN AN ANIMAL MODEL OF SCHIZOPHRENIA: NEW CLUES ANTICIPATING DIAGNOSIS?
<u>Ana C. Rodrigues-Neves</u>, Rita Gaspar, Patrícia Patrício, Susana Lima, Tiago Rosa, Joana Macedo, Bruna Araújo, Filipa I. Baptista, António F. Ambrósio, Luísa Pinto, João Bessa, Catarina A. Gomes</p> | <p>10:30 10.10 – ANTICANCER PALLADIUM-SPERMINE COMPLEX: IN VIVO ACTIVITY AGAINST TRIPLE-NEGATIVE BREAST CANCER IN MICE
<u>Martin Vojtek</u>, Salomé Gonçalves-Monteiro, Patrícia Dias-Pereira, Franklim Marques, A.L.M. Batista de Carvalho, M.P.M. Marques, Hélder Mota-Filipe, Isabel M.P.L.V.O Ferreira, Carmen Diniz</p> |
| <p>10:40 9.11 – ADRENALINE MAY INDUCE CONTEXTUAL FEAR MEMORY BY CHOLINERGIC RECEPTORS ACTIVATION
<u>Ana Oliveira</u>, Raquel Martinho, Soraia Silva, Mónica Moreira-Rodrigues</p> | <p>10:40 10.11 – HYPOXIA-DRIVEN ADENOSINERGIC PATHWAY PROMOTES THE AGGRESSIVENESS OF BLADDER CANCER CELLS
<u>Margarida Pereira</u>, Liliana Santos, Sara Almeida, Célia Gomes</p> |
| <p>10:50 9.12 – GLIOTOXIN L-α-AMINOADIPATE CAUSES A BIPHASIC EFFECT ON ASTROCYTES WITH NEGATIVE IMPACT ON SYNAPTIC PLASTICITY IN THE MOUSE HIPPOCAMPUS
Marlene C. Pereira, Inês M. Amaral, <u>Cátia Lopes</u>, Daniela Madeira, João P. Lopes, Francisco Q. Gonçalves, Rodrigo A. Cunha, Paula Agostinho</p> | <p>10:50 10.12 – A NEW MOUSE MODEL FOR STUDYING HPV-POSITIVE OROPHARYNGEAL CANCER
<u>Verónica F. Mestre</u>, Beatriz Medeiros-Fonseca, Rui Medeiros, Margarida MSM Bastos, Carlos Lopes, Rui Gil da Costa, Paula A. Oliveira</p> |

11:00-11:30 Pausa para café

Auditório da Unidade Central – (11:30-12:15h)

Sessão 11 – O Ensino da Farmacologia

Moderadores: Emília Monteiro / Jorge Gonçalves / Margarida Caramona

- 11:30 11.1** – VIDEO LECTURE CAPTURE (VLC) - IMPACT ON STUDENTS' ACADEMIC RESULTS
Fernando Remião, Amélia Veiga, A Miguel Gomes, Helena Carmo, Renata Silva, Vera Costa, Félix Carvalho, Maria de Lourdes Bastos
- 11:40 11.2** – AUTONOMOUS SEARCH AND SELECTION OF SCIENTIFIC PAPERS FOR ORAL PRESENTATION AS A TOOL TO IMPROVE STUDENTS' MOTIVATION AND SKILLS
Alexandrina Ferreira Mendes.
- 11:50 11.3** – ACADEMIC INTEGRITY AND ACTIVE LEARNING OF RELEVANT SKILLS: DIGITAL CHALLENGES AND SOLUTIONS COMBINED WITH GAME THEORY
Jorge Oliveira
- 12:00 11.4** – SCIENTIFIC POSTERS AS AN ASSESSMENT METHODOLOGY PROMOTES ACQUISITION OF KNOWLEDGE, RESEARCH SKILLS AND CRITICAL THINKING IN PHARMACOLOGY
Sónia Silva, Cláudia Cavadas
- 12:10 11.5** – TOX-OER MOOC: A TOOL FOR TEACHING AND LEARNING TOXICOLOGY WORLDWIDE
Carolina Rocha-Pereira, Jorge Soares, Bárbara Silva, Maria André, Renata Silva, Helena Carmo, Félix Carvalho, Maria de Lourdes Bastos, Fernando Remião

12:15 – 13:00h – Industry Sponsored Conference

Investigation of gut microbiome in ulcerative colitis and Crohn's disease patients

James Battey

Auditório da Unidade Central

Moderadores: António Albino Teixeira / Flávio Reis / Alexandrina Mendes

13:00 – 14:00 – Almoço de trabalho (mediante inscrição) – **Faculdade Farmácia | Pólo das Ciências da Saúde**

Auditório da Unidade Central - (14:00 – 15:30)

Anfiteatro II – (14:00 – 15:30)

Sessão 12 – Toxicologia II

Moderadores: Conceição Calhau / Fernando Remião / Teresa Cruz

Sessão 13 – Modelos e biomarcadores em farmacologia

Moderadores: Paula A. Oliveira / Rui Pinto / Isabel Vitória Figueiredo

- 14:00 12.1** – ADB-FUBINACA ENHANCES IN VITRO NEURONAL DIFFERENTIATION, VIA ACTIVATION OF CANNABINOID RECEPTOR 1, AT IN VIVO-RELEVANT
Diana Dias da Silva, Rui Malheiro, Helena Carmo, Félix Carvalho, João Pedro Silva
- 14:10 12.2** – CYCLOPHOSPHAMIDE MAIN METABOLITES CAUSE A MARKED EFFECT ON THE METABOLOME OF AC16 HUMAN CARDIAC CELLS AT SUBTOXIC CONCENTRATIONS

- 14:00 13.1** – PROTEOMIC IDENTIFICATION OF A SET OF SERUM PROTEINS WITH POTENTIAL TO BE USED AS BIOMARKERS FOR MACHADO-JOSEPH DISEASE
Patrick Silva, Magda M. Santana, Inês Cunha, Joana Ribeiro, Laetitia Gaspar, Cristina Januário, Luís Pereira de Almeida
- 14:10 13.2** – IMPACT OF CONTINUOUS POSITIVE AIRWAY PRESSURE (CPAP) TREATMENT OF OBSTRUCTIVE SLEEP APNEA PATIENTS ON CELLULAR AGING MARKERS

	<u>Flávio Dionísio</u> , Ana Margarida Araújo, Margarida Duarte-Araújo, Paula Guedes de Pinho, Maria de Lourdes Bastos, Félix Carvalho, Vera Marisa Costa		<u>Bárbara Santos</u> , Laetitia Gaspar, Ana Santos-Carvalho, Sara Carmo-Silva, Joaquim Moita, Cláudia Cavadas, Ana Rita Álvaro
14:20	12.3 – HEPATOCYTE-LIKE CELLS AS A MODEL FOR HEPATOTOXICITY STUDIES <u>Ana S. Serras</u> , Armanda Rodrigues, Joana S. Rodrigues, Joana P. Miranda	14:20	13.3 – ESTABLISHMENT OF AN ANIMAL MODEL FOR THE STUDY OF PENILE CANCER <u>Beatriz Medeiros-Fonseca</u> , Verónica F. Mestre; D. Estêvão, Diego F. Sanchez, S. Canete-Portillo, M.J Fernandez-Nestosa, F. Casaca, S. Silva, H. Brito, A. Félix, R.Medeiros, B.Colaço, Paula A. Oliveira, Margarida M.S.M. Bastos, Peter S. Nelson, F. Vakar-Lopez, I. Gaivão, L. Brito, C. Lopes, Antonio L. Cubilla, Rui M. Gil da Costa
14:30	12.4 – NEW PSYCHOACTIVE SUBSTANCES IN PORTUGAL: IDENTIFICATION AND CONTEXT <u>Bárbara Cochicho</u> , Mónica Nobre, Maria João Caldeira, Ana Matias Teixeira, Ana Paula Marreilha dos Santos	14:30	13.4 – ESTABLISHMENT AND CHARACTERIZATION OF HUMAN PLURIPOTENT STEM CELLS DERIVED BRAIN ORGANIDS <u>João Brás</u> , Daniel Henriques, Ricardo Moreira, Magda Santana, Ana Rita Álvaro, Liliana S. Mendonça, Luís Pereira de Almeida
14:40	12.5 – STUDIES OF INTESTINAL PERMEABILITY OF CATHINONES USING CACO-2 CELL MONOLAYER: AN ENANTIOSELECTIVITY APPROACH <u>Bárbara Silva</u> , Carla Fernandes, Paula Guedes de Pinho, Fernando Remião	14:40	13.5 – DEVELOPMENT OF A PHYSIOLOGICALLY RELEVANT HEPATIC CULTURE MEDIUM FOR THE MAINTENANCE OF A STEM-CELL DERIVED HEPATIC IN VITRO MODEL <u>Joana S. Rodrigues</u> , Madalena Cipriano, Andreia Faria-Pereira, Sérgio P. Camões, Vanessa A. Morais, Joana P. Miranda
14:50	12.6 – PROFILE OF INTOXICATIONS IN PORTUGAL BETWEEN 2014-2018 Beatriz Teles, Mário Barroso, Tiago Rosado, <u>André RTS Araujo</u> , Eugenia Gallardo	14:50	13.6 – NEW BLOOD BIOMARKERS OF OBSTRUCTIVE SLEEP APNEA <u>Laetitia Gaspar</u> , Bárbara Santos, Sara Carmo-Silva, Ana Santos-Carvalho, Fátima Teixeira, Mafalda Ferreira, Joaquim Moita, Cláudia Cavadas, Ana Rita Álvaro
15:00	12.7 – UNVEILING NEW MOLECULES WITH PREVENTIVE PROPERTIES FOR THE MANAGEMENT OF ALLERGIC CONTACT DERMATITIS <u>Gonçalo Brites</u> , Isabel Ferreira, Ana Silva, Mylène Carrasca, Bruno Neves, Maria Teresa Cruz	15:00	13.7 – CHANGES IN THE PROTEIN COMPOSITION OF MITOCHONDRIAL-ASSOCIATED MEMBRANES (MAMS) IN ALZHEIMER'S DISEASE <u>Tânia Fernandes</u> , Rosa Resende, Maria Teresa Cruz, Rosário Domingues, Paula Moreira, Cláudia Pereira
15:10	12.8 – THE SYNTHETIC PSYCHOSTIMULANT 4-FLUOROMETHAMPHETAMINE (4-FMA) INDUCES IN VITRO HEPATOTOXICITY VIA CYP2E1 METABOLISM <u>Rita Roque Bravo</u> , Helena Carmo, João Pedro Silva, Maria de Lourdes Bastos, Félix Carvalho, Diana Dias da Silva	15:10	13.8 – BODY TEMPERATURE DETERMINATION IN RATS BY INFRARED: USING TWO DIFFERENT EQUIPMENTS <u>Catarina Castro-Ribeiro</u> , Rita Silva-Reis, Mariana Mendes-Gonçalves, Tiago Ferreira, Tânia Martins, Luís Antunes, Carlos Venâncio, Lio Gonçalves, Paula A. Oliveira
15:20	12.9 – PAEDIATRIC INTOXICATIONS IN THE NORTH OF PORTUGAL BETWEEN 2014 AND 2018 <u>Marta Russo</u> , João Viana, Luís Almeida Santos, Rui Guimarães, Félix Carvalho, Ricardo Jorge Dinis-Oliveira, Diana Dias da Silva	15:20	13.9 – NANOTECHNOLOGY APPROACH TO NEUROINFLAMMATION: CELL-LIKE REACTORS IN THREE-DIMENSIONAL INFLAMMATION MODELS <u>Oksana K. Savchak</u> , Adam Armada-Moreira, Filipa F. Ribeiro, Ana M. Sebastião, Sandra H. Vaz
		15:30	13.10 – TRANSTHYRETIN IN OBSTRUCTIVE SLEEP APNEA <u>Ana Rita Álvaro</u> , Alexander Santos, Laetitia Gaspar, Bárbara Santos, Joaquim Moita, Rui M. M. Brito, Cláudia Cavadas

Auditório da Unidade Central - (16:00 – 17:20)

Anfiteatro II – (16:00 – 17:20)

Sessão 14 – Terapias Moleculares e Celulares II

Moderadores: Sara Xapelli / Manuel Gaspar / Ana Rita Álvaro

16:00 **14.1** – MECHANICALLY-INDUCED OSTEOGENIC COMMITMENT OF POST-MENOPAUSAL MESENCHYMAL STEM CELLS INVOLVES THE PURINOME

Karyna Tarasova, João Baetas, Catarina Bessa-Andrês, Rui Pinto-Cardoso, Maria Adelina Costa, José Marinhos, Rolando Freitas, José Bernardo Noronha-Matos, Paulo Correia-de-Sá

16:10 **14.2** – RNA-BINDING PROTEINS AS POTENTIAL THERAPEUTIC TARGETS FOR POLYGLUTAMINE DISEASES

Adriana Marcelo, Sandra Tomé, Sara Carmo-Silva, Marco Ferreira, Diogo Teixeira, Carlos A. Matos, Rebekah Koppenol, Luís Pereira de Almeida, Clévio Nóbrega

16:20 **14.3** – TRPV1 ACTIVATION BY CANNABIDIVARIN AND CAPSAICIN AS MODULATORS OF NEURAL STEM CELL FATE

Diogo M. Lourenço Rita Soares, Rui S. Rodrigues, Ana M. Sebastião, Sara Xapelli

16:30 **14.4** – ATAXIN-2 PREVENTS THE CIRCADIAN RHYTHM DEREGULATION INDUCED BY SATURATED FATTY ACID

Sara Carmo-Silva, Ana Rita Fernandes, Marie Babková, Marisa Ferreira-Marques, Cláudia Cavadas

16:40 **14.5** – INTRAOCULAR BIODEGRADABLE IMPLANT LOADED WITH ADENOSINE A3 RECEPTOR AGONIST AS A STRATEGY FOR THE TREATMENT OF GLAUCOMA

Raquel Boia, Paulo A. N. Dias, Caridad Galindo-Romero, Inês D. Aires, Manuel Vidal-Sanz, Marta Agudo-Barriuso, Paulo F. Santos, Hermínio C. de Sousa, António Francisco Ambrósio, Mara E. M. Braga, Ana Raquel Santiago

16:50 **14.6** – CRISPR-MEDIATED SILENCING OF MUTANT ATAXIN-3 AMELIORATES MOTOR SYMPTOMS OF A MACHADO-JOSEPH DISEASE MODEL IN VIVO

Carlos A. Matos, André Conceição, Frederico Pena, Sara Lopes, Sónia Duarte, Catarina Miranda, Luís Pereira de Almeida

Sessão 15 – Farmacologia Oncológica II e outros

Moderadores: Fátima Martel / Laura Oliveira / Maria Guarino

16:00 **15.1** – SLMP53-2: A MUTANT P53 REACTIVATOR WITH PROMISING ACTIVITY IN SKIN CANCER PREVENTION

Joana B. Loureiro, Rita Ribeiro, Juliana Calheiros, Joana Almeida, Valentina Barcherini, Paula A. Oliveira, Maria M. M. Santos, Lucília Saraiva

16:10 **15.2** – NEW DIARYLPENTANOIDS: SYNTHESIS AND EVALUATION OF P53-MDM2/X INHIBITORY ACTIVITY

Joana Almeida, Joana Moreira, Madalena Pinto, Lucília Saraiva, Honorina Cidade

16:20 **15.3** – NEW INHIBITOR OF THE BRCA1-BARD1 INTERACTION WITH ANTICANCER ACTIVITY IN BRCA1-DEFICIENT BREAST AND OVARIAN CANCERS

Liliana Raimundo, Angela Paterna, Juliana Calheiros, Joana Ribeiro, David Cardoso, Nair Nazareth, Ilaria Piga, Stefano Indraccolo, Susana Neto, Silva Mulhovo, José Luis Costa, Maria José U. Ferreira, Lucília Saraiva

16:30 **15.4** – DIETARY SUPPLEMENTATION WITH GRATELOUPIA TURUTURU PROTECTS AGAINST EPIDERMAL DYSPLASIA AND DNA DAMAGE IN HPV16-TRANSGENIC MICE

Tiago Ferreira, José Carlos Almeida, Maria Inês Andrade, Susana Santos, Helena Abreu, Rui Pereira, Mário Pacheco, Rui M. Gil da Costa, Isabel Gaivão, Paula A. Oliveira

16:40 **15.5** – ANTI-TUMORAL POTENTIAL OF SCORPIONATES

Pedro Silva, Sérgio P. Camões, Pedro Pinheiro, Gonçalo Justino, Ana P. Ribeiro, Luísa Martins, Joana P. Miranda

16:50 **15.6** – OPPOSING EFFECTS OF ADENOSINE AND INOSINE IN HUMAN SUBCUTANEOUS FIBROBLASTS MAY BE REGULATED BY THIRD PARTY ADENOSINE DEAMINASE (ADA) CELL PROVIDERS

Carina Herman-Sousa, Ana Rita Pinheiro, Diogo Paramos-de-Carvalho, Maria Adelina Costa, Fátima Ferreirinha, Teresa Magalhães-Cardoso, Severino Ribeiro, Julie Pelletier, Jean Sévigny, Paulo Correia-de-Sá

17:00 **14.7** – *Acrocomia aculeata* (JACQ.) LODD EX MART. LEAVES INCREASES SIRT-1 EXPRESSION AND REDUCES OXIDATIVE STRESS

Tamaeh Monteiro-Alfredo, Paulo Matafome, Bianca Pancoti Iacia, Kátia Ávila Antunes, Jéssica Maurino dos Santos, Janielle da Silva Melo da Cunha, Sara Oliveira, Alex Santos Oliveira, Jaqueline Ferreira Campos¹, Mariana Magalhães, Sónia Santos Silva, Célia Cabral, Raquel Seïça, Cláudia Andrea Lima Cardoso, Caio Fernando Ramalho de Oliveira, Edson Lucas dos Santos, Kely de Picoli Souza

17:00 **15.7** – DIET SUPPLEMENTED WITH 1.1% CHESTNUT (CASTANEA SATIVA) FLOUR REDUCES ABDOMINAL ADIPOSITY IN MICE

Mariana Mendes-Gonçaves, Tiago Ferreira, Pedro Rodrigues, Elisabete Nascimento-Gonçaves, Rui M. Gil da Costa, Tânia Martins, Maria João Neuparh, Maria João Pires, Germano Lanzarin a , Luís Félix, Carlos Venâncio, Isabel C.F.R. Ferreira, Margarida M.S.M. Bastos, Rui Medeiros, Isabel Gaivão, Eduardo Rosa, Paula.A. Oliveira

17:30-18:00 Cerimónia de Encerramento | Auditório da Unidade Central