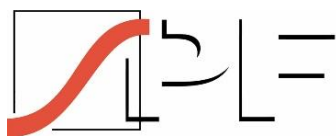


**53rd Meeting of the Portuguese Society of Pharmacology,
41st Meeting of Clinical Pharmacology and
22nd Meeting of Toxicology**

Coimbra, 1-3 February 2023



SOCIEDADE PORTUGUESA de FARMACOLOGIA

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FACULDADE DE MEDICINA
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Instituto de Farmacologia e Terapêutica Experimental
Faculdade de Medicina da Universidade de Coimbra

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INDUSTRY SPONSORED SESSION



PMI SCIENCE
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PROGRAM

Wednesday,
February 1st



13:00 | REGISTRATION open

14:00 – 15:30 | Oral COMMUNICATIONS – Sessions 1 and 2

SANTA CLARA Room

INÊS DE CASTRO Room

Session 1: NEUROPHARMACOLOGY I		Session 2: CANCER PHARMACOLOGY I	
<i>Chairs:</i> Paula Agostinho Frederico Pereira		<i>Chairs:</i> Célia Gomes Lucília Saraiva	
14:00	C1 INTERACTION BETWEEN CANNABINOID RECEPTORS AND ADENOSINE RECEPTORS: IMPLICATION ON SYNAPTIC PLASTICITY IN THE HIPPOCAMPUS <i>Madalena Gualdino, Joana Gonçalves-Ribeiro, Ana M. Sebastião, Sandra Vaz</i>	14:00	C8 MAMMARY TUMORS INCIDENCE: A COMPARISON BETWEEN THREE STUDIES CARRIED OUT IN FEMALE RATS <i>Jessica Silva, Ana I. Faustino-Rocha, Paula A. Oliveira, José A. Duarte</i>
14:12	C2 CELLULAR MODEL OF DEPRESSION: REDUCTION OF CELLULAR STRESS WITH MIRTAZAPINE <i>Ana Salomé Correia, Sónia Fraga, João Paulo Teixeira, Nuno Vale</i>	14:12	C9 EFFECT OF RESISTANCE EXERCISE TRAINING ON BLOOD ANTIOXIDANT CAPACITY IN RATS UNDERGOING BREAST CANCER TREATMENT WITH DOXORUBICIN <i>Juliana Dos Anjos, Sandra D. Santos, Lara Anjos, Inês Aires, Inês Garcias, Catarina Azevedo, Mónica Silva, Paula A. Oliveira, Ana I. Faustino-Rocha, Francisco Peixoto</i>
14:24	C3 BLOOD-BRAIN BARRIER DYSFUNCTION IN THE CONTEXT OF TRAUMATIC BRAIN INJURY: A DOOR TO NEUTROPHILS TRANSMIGRATION? <i>Laura Nóbrega, José Luís Alves, Carlos A. Fontes Ribeiro, Ana Paula Silva, Ricardo Leitão</i>	14:24	C10 NOVEL LYSYL OXIDASE LIKE 2 INHIBITOR DECREASES BREAST CANCER CELLS MIGRATION <i>Sandra Ferreira, Sofia Ramos, Serhii Holota, Dmytro Khylyuk, Roman Lesyk, Natalia Finyuk, Daniel J. V. A. dos Santos, Ana M. Díaz-Lanza, João G. Costa, Nuno Saraiva, Ana S. Fernandes</i>
14:36	C4 ACUTE STRESS INDUCES RAT BEHAVIOURAL ALTERATIONS AND TRIGGERS A NEUROINFLAMMATORY RESPONSE	14:36	C11 OVERCOMING PANCREATIC CANCER DRUG RESISTANCE WITH A NEW INHIBITOR OF BRCA1-MEDIATED HOMOLOGOUS RECOMBINATION

Daniela M. Simões, Alexandre Henriques, Eliane Swely Sanches, Filipa I. Baptista, Ana Paula Silva

14:48 C5 | THE IMPACT OF PHYSICAL EXERCISE ON PERIPHERAL AND CENTRAL BIOMARKERS IN A SOCIAL DEFEAT STRESS MOUSE MODEL

Julie Reis, Edna Soares, Miguel M. Lino, Mónica Zuzarte, Lino Ferreira, Carlos A. Fontes-Ribeiro, Frederico C. Pereira

15:00 C6 | ROLE OF ASTROCYTES IN THE ENDOCANNABINOID-MEDIATED LONG-TERM DEPRESSION IN THE MEDIAL PREFRONTAL CORTEX

Leandro R. Freitas, Joana Gonçalves-Ribeiro, Ana M. Sebastião, Sandra H. Vaz

15:12 C7 | DESI-MSI-BASED TECHNIQUE TO UNRAVEL SPATIAL DISTRIBUTION OF COMT INHIBITOR TOLCAPONE

Joana Rebouta, M. Luísa Dória, Filipa Campos, Francisca Araújo, Maria João Bonifácio, Ana I. Loureiro

João Morais, Juliana Calheiros, Filipa Barbosa, Silva Mulhovo, Maria Inês Almeida, Maria José U. Ferreira, Lucília Saraiva

14:48 C12 | TRASTUZUMAB-RESISTANT HER2⁺ BRAIN-TROPIC BREAST CANCER CELLS INTERFERE WITH THE BLOOD-BRAIN BARRIER PERMEABILITY: A POTENTIAL ROUTE FOR BRAIN DRUG DELIVERY

Liliana Santos, Hugo Ferreira, José Sereno, Francesca Tomatis, Sara Almeida, Lino Ferreira, Ana Paula Silva, João Nuno Moreira, Antero Abrunhosa, Célia Gomes

15:00 C13 | A CELL-BASED PLATFORM TO UNVEIL AQUAPORIN INHIBITORS WITH POTENTIAL ANTICANCER PROPERTIES

Catarina Pimpão, Inês V. da Silva, Graça Soveral

15:12 C14 | ACTIVATED LUNG FIBROBLASTS PROMOTE THE METASTATIC BEHAVIOUR OF OSTEOSARCOMA CELLS: A POTENTIAL TARGET TO PREVENT LUNG METASTASIS

Gabriela Sampaio-Ribeiro, Sara Almeida, Célia Gomes

15:30 – 16:00 | Coffee-Break

16:00 – 16:30 | OPENING SESSION

Amílcar Falcão (UC Rector) |
Maria José Diógenes (SPF President) |
Flávio Reis (Meeting Chair)

SANTA CLARA Room

16:30 – 18:15 | Oral COMMUNICATIONS – Sessions 3 and 4

SANTA CLARA Room

INÊS DE CASTRO Room

**Session 3:
INFECTION, INFLAMMATION & IMMUNITY**

**Chairs:
Alexandrina Mendes | Teresa Cruz**

16:30 C15 | LOOKING INTO THE SEA FOR NEW ANTI-PRURITIC AND ANTI-INFLAMMATORY AGENTS

**Session 4:
CELLULAR & MOLECULAR THERAPIES I**

**Chairs:
Paulo Correia-de-Sá | Luís Pereira Almeida**

16:30 C24 | PRECONDITIONING MSCs WITH INFLAMMATORY STIMULI AS A PROMISING THERAPEUTIC STRATEGY TOWARDS

Márcia Martins, Solida Long, Ana Silva, Madalena M. M. Pinto, Isabel F. Almeida, Maria T. Cruz, Emília Sousa

16:42 C16| SYNTHESIS OF CARVONE DERIVATIVES AND *IN SILICO* AND *IN VITRO* SCREENING OF ANTI-INFLAMMATORY ACTIVITY IN MURINE MACROPHAGES

Gabriela Moço, Cátia Sousa, Ana Capitão, Stephen Scott MacKinnon, Alcino Leitão, Alexandrina Ferreira Mendes

16:54 C17| ENDOTHELIAL DYSFUNCTION IN DIFFERENT STAGES OF COVID-19 SEVERITY

Carolina Silva-Pereira, Marta Reina-Couto, David Alves, Patrícia Pereira-Terra, Sandra Martins, João Bessa, Luísa Teixeira-Santos, Dora Pinho, Manuela Morato, António Sarmento, Margarida Tavares, João T Guimarães, Roberto Roncon-Albuquerque, José Artur-Paiva, António Albino-Teixeira, Teresa Sousa

17:06 C18| INDOLE-3-PROPIONIC ACID AND ITS PRECURSORS REVERSE LPS-INDUCED INFLAMMATION IN N9 CELLS

Maria João Almeida, Gilberto Santos, Catarina Rodrigues, Shámila Ismael, Inês Barreiros-Mota, Inês Castela, João R. Araújo, Ana Faria

17:18 C19| NATURE-INSPIRED MULTIFUNCTIONAL HYBRIDS AS ACTIVE INGREDIENTS FOR SUNSCREENS

Ana Jesus, Joana Gomes, Joana Moreira, Mylène Carrascal, Madalena Pinto, Honorina Cidade, Maria T. Cruz, Isabel F. Almeida

17:30 C20| OXIDATIVE STRESS ASSOCIATION WITH COVID-19 SEVERITY AND MORTALITY: FOCUS ON URINARY ISOPROSTANES

Luísa Teixeira-Santos, Dora Pinho, Marta Reina-Couto, Carolina Silva-Pereira, Patrícia Pereira-Terra, Andreia Dias,

NEUROINFLAMMATION-MEDIATED DISEASES

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

16:42 C25| SILENCING NTPDASE3 ACTIVITY REHABILITATES THE OSTEOGENIC COMMITMENT OF POST-MENOPAUSAL STEM CELL BONE PROGENITORS

José Bernardo Noronha-Matos, Rui Pinto-Cardoso, Catarina Bessa-Andrês, Maria Teresa Magalhães-Cardoso, Fátima Ferreirinha, Maria Adelina Costa, José Marinhos, Rolando Freitas, Rui Lemos, Adélio Vilaça, António Oliveira, Julie Pelletier, Jean Sévigny, Paulo Correia-de-Sá

16:54 C26| MITOCHONDRIAL DEUBIQUITINATION AS A POTENTIAL THERAPEUTIC TARGET IN MITOCHONDRIAL DYSFUNCTION

Brígida R. Pinho, Bruno Sousa, Anitta Chacko, Michael R. Duchon, Jorge M. A. Oliveira

17:06 C27| IMMUNOGENIC CELL DEATH BOOSTS DENDRITIC CELL-MEDIATED ANTI-TUMOUR IMMUNE RESPONSE

Daniel Alexandre Ferreira, Margarida Pereira, Marina Couto, M. Teresa Cruz, Mylène A. Carrascal, Célia Gomes

17:18 C28| EXTRACELLULAR COMMUNICATION OF BRAIN CELLS SHOWN THROUGH FUNCTIONAL TRANSFER OF CRE MRNA

David Rufino-Ramos, Kevin Leandro, Pedro R.L. Perdigão, Killian O'Brien, Maria Manuel Pinto, Magda M. Santana, Thomas S van Solinge, Shadi Mahjoum, Xandra O Breakefield, Koen Breyne, Luís Pereira de Almeida

17:30 C29| MECHANICALLY-INDUCED PURINOME PRIMING OF AGED stem cell OSTEOPROGENITORS promotes BONE REPAIR

Catarina Bessa-Andrês, Rui Pinto-Cardoso, Liliana S. Carvalho, Maria Adelina Costa, Ana Canadas, José Marinhos, Rui Lemos, Adélio

Gonçalo Cordeiro, Sónia Fraga, António Sarmiento, Margarida Tavares, Roberto Roncon-Albuquerque, José Artur Paiva, Teresa Sousa, António Albino-Teixeira

17:42 C21 | (S)-(+)-CARVONE MODULATES MACROPHAGE POLARIZATION

Cátia Sousa, Inês Ferreira, Myléne Carrascal, Armanda Santos, Alexandrina Ferreira Mendes

17:54 C22 | DOPAMINE REDUCES INDOLEAMINE 2,3-DIOXYGENASE 1 (IDO1) INDUCIBILITY IN CIRCULATING MYELOID CELLS THROUGH B-ADRENERGIC RECEPTORS: IS THIS RELEVANT IN PARKINSON'S DISEASE?

Milene Gonçalves, Ana Morgadinho, Paulo Rodrigues Santos, Jani Sofia Almeida, Vera Alves, Manuel Santos Rosa, Carlos Alberto Fontes Ribeiro, Marco Cosentino, Cristina Januário, Frederico C. Pereira

18:06 C23 | EVALUATION OF URINARY CYSTEINYL LEUKOTRIENES AS BIOMARKERS OF SEVERITY AND PUTATIVE THERAPEUTIC TARGETS IN COVID-19 PATIENTS

Marta Reina-Couto, Mariana Roboredo-Madeira, Patrícia Pereira-Terra, Carolina Silva-Pereira, Sandra Martins, Luísa Teixeira-Santos, Dora Pinho, Andreia Dias, Gonçalo Cordeiro, Cláudia Camila Dias, António Sarmiento, Margarida Tavares, João T. Guimarães, Roberto Roncon-Albuquerque, José-Artur Paiva, António Albino-Teixeira, Teresa Sousa

Vilaça, António Oliveira, José Bernardo Noronha-Matos, Paulo Correia-de-Sá

17:42 C30 | EXTRACELLULAR VESICLES AS KEY PLAYERS IN THE RETINAL PIGMENT EPITHELIUM DYSFUNCTION IN AGE-RELATED MACULAR DEGENERATION

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

17:54 C31 | PRO-INFLAMMATORY STIMULI WITH INF- γ AND TNF- α PROMOTES IMMUNOSUPPRESSIVE AND TISSUE REGENERATIVE EFFECTS OF MSC-DERIVED EXOSOMES

Sérgio P. Camões, Inês T. Simões, Catarina M. Trigo, Ana S. Serras, Joana P. Miranda

18:06 C32 | PHARMACOLOGICAL INHIBITION OF PERK IN ZEBRAFISH INDUCES KEY WOLCOTT-RALLISON SYNDROME PHENOTYPES

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

18:30 | SPF GENERAL ASSEMBLY

SANTA CLARA Room

Thursday,
February 2nd



8:30 | REGISTRATION Open

9:00 – 10:15 | Oral COMMUNICATIONS – Sessions 5 and 6

SANTA CLARA Room

INÊS DE CASTRO Room

Session 5: PHARMACOKINETICS & SLEEP DISORDERS		Session 6: ENDOCRINE & METABOLIC PHARMACOLOGY I	
<i>Chairs:</i> Ana Fortuna Ana Rita Álvaro		<i>Chairs:</i> Cláudia Cavadas Sofia Viana	
9:00	C33 DOSE-DEPENDENT PHARMACOKINETICS OF PAROXETINE AFTER INTRANASAL ADMINISTRATION TO MICE <i>Soraia Silva, Joana Bicker, Gilberto Alves, Amílcar Falcão, Ana Fortuna</i>	9:00	C39 ADENOSINE AND ADENOSINE RECEPTORS LEVELS CORRELATES WITH BMI IN OVERWEIGHT AND OBESE DYSMETABOLIC PATIENTS <i>Fátima O. Martins, Rita E. Figueiredo, Rodrigo O. Oliveira, Sílvia V. Conde</i>
9:12	C34 DIFFERENTIAL EXPRESSION OF MICRORNAs IN OBSTRUCTIVE SLEEP APNEA <i>Laetitia Gaspar, Ana Capitão, Bárbara Santos, Alexandrina Ferreira Mendes, Cláudia Cavadas, Irina S. Moreira, Ana Rita Álvaro</i>	9:12	C40 FLUORESCENT-BASED BODIPY 493/503 ANALYSIS OF LIPID DROPLETS – INSIGHTS FOR HEPATIC STEATOSIS ASSESSMENT <i>Karina Garcia, André Alves, Teresa M. Ribeiro-Rodrigues, Carlos Fontes-Ribeiro, Flávio Reis, Sofia Viana</i>
9:24	C35 POPULATION PHARMACOKINETICS OF PERAMPANEL IN POLYMEDICATED REFRACTORY PORTUGUESE EPILEPTIC PATIENTS <i>Rui Silva, Helena Colom, Anabela Almeida, Joana Bicker, Ana Silva, Francisco Sales, Isabel Santana, Amílcar Falcão, Ana Fortuna</i>	9:24	C41 METABOLIC DYSFUNCTION IN OBSTRUCTIVE SLEEP APNEA: IS THERE A ROLE FOR THE LIVER? <i>Joana L Fernandes, Fátima O Martins, Bernardete F Melo, Joana F Sacramento, Elena Olea, Jesus Prieto-Lloret, Ana Obeso, Asuncion Rocher, P. Braga, M. G. Alves, Catarina O. Sequeira, Sofia A. Pereira, Sílvia V. Conde</i>
9:36	C36 CONTINUOUS POSITIVE AIRWAY PRESSURE MIGHT NOT COUNTERACT THE IMPACT OF OBSTRUCTIVE SLEEP APNEA ON EPIGENETIC AGING <i>Laetitia S. Gaspar, Bárbara Santos, Catarina Carvalhas-Almeida, Mafalda</i>	9:36	C42 PILL Tech – RE(DE)FINING ORAL DOSING IN IN VIVO PRECLINICAL ASSAYS <i>Sara Nunes, Inês Preguiça, Pedro Vieira, André Alves, Filipe Palavra, Carlos Fontes-Ribeiro, Flávio Reis, Sofia Viana</i>

Ferreira, Joaquim Moita, Cláudia Cavadas, Ana Rita Álvaro	
9:48	C37 HIGH PERFORMANCE LIQUID CHROMATOGRAPHY TECHNIQUE FOR QUANTIFICATION OF CANNABINOIDS IN HUMAN PLASMA <u>Andreia Carona</u> , Joana Bicker, Carla Fonseca, Amílcar Falcão, Ana Fortuna
10:00	C38 CLOCK GENES EXPRESSION OF CHRONIC INSOMNIA PATIENTS: A PILOT STUDY <u>Catarina Carvalhas-Almeida</u> , Laetitia Gaspar, Bárbara Santos, Joana Serra, Joaquim Moita, Cláudia Cavadas, Ana Rita Álvaro
9:48	C43 CAN COFFEE SILVERSKIN BE A SUSTAINABLE COFFEE BY-PRODUCT WITH A BENEFICIAL EFFECT ON TYPE 2 DIABETES MELLITUS? <u>Juliana A. Barreto Peixoto</u> , Nelson Andrade, Susana Machado, Anabela S. G. Costa, M. Beatriz P. P. Oliveira, Rita C. Alves, Fátima Martel
10:00	C44 BLUEBERRY LEAVES BIOMASS: A NATURE-BASED FUNCTIONAL INGREDIENT WITH HYPOGLYCEMIC, HYPOLIPIDEMIC AND GUT IMMUNOMODULATORY POTENTIAL IN TYPE 2 DIABETES <u>Pedro Vieira</u> , Sara Nunes, Inês Preguiça, Carolina Ferreira, André Alves, Jani Almeida, Vera Alves, Helena Sá, Carlos Fontes-Ribeiro, Flávio Reis, Sofia Viana

10:15 – 10:45 | Coffee-Break

10:45 – 11:30 | INVITED LECTURE – (Prof. Adrián Llerena)

Pharmacogenetics implementation in health services: initiatives in Spain (MedeA, IMPaCT, BioRam)

Chairs: Natália António | Maria José Diógenes | Emília Monteiro

SANTA CLARA Room

11:30 – 13:00 | Oral COMMUNICATIONS – Sessions 7 and 8

SANTA CLARA Room

INÉS DE CASTRO Room

Session 7: CLINICAL PHARMACOLOGY I		Session 8: TOXICOLOGY I	
<i>Chairs:</i> Isabel V. Figueiredo Rui Pinto		<i>Chairs:</i> Joana Miranda Vera Costa	
11:30	C45 MOTIVATION AND KNOWLEDGE OF PORTUGUESE COMMUNITY PHARMACISTS TOWARDS THE REPORTING OF SUSPECTED ADVERSE REACTIONS TO MEDICINES: A CROSS-SECTIONAL SURVEY <u>Renato Ferreira-da-Silva</u> , João Miguel Alves, Carina Vieira, Ana Marta Silva, Joana Marques, Manuela Morato, Jorge Junqueira Polónia, Inês Ribeiro-Vaz	11:30	C52 PROTRACTED ADMINISTRATION OF A PHARMACOLOGICALLY RELEVANT DOSE OF PAROXETINE TO RATS PROMOTES ASTROCYTE ACTIVATION IN BRAIN REGIONS <u>Sandra I Marques</u> , Vladimir Stevanović, Jovana Arandelović, Miroslav Savić, Helena Carmo, Félix Carvalho, Susana I Sá, João Pedro Silva

11:42	C46 DISEASE MANIFESTATION OR THERAPEUTIC INEFFECTIVENESS? THE EXAMPLE OF MULTIPLE SCLEROSIS. Catarina Santos, João Fernandes, Luísa Prada, <u>Rita Avó-Baião</u> , Márcia Silva
11:54	C47 DRUG DOSING IN AGED PATIENTS BY USING TWO DIFFERENT EQUATIONS TO ESTIMATE GLOMERULAR FILTRATION RATE <u>M. Margarida Castel-Branco</u> , Marta Lavrador, Ana Vanessa Julião, Ana C. Cabral, Adriana Pinheiro, Joana Fernandes, Fernando Fernandez-Llimos, Isabel V. Figueiredo
12:06	C48 FIRST MONTHS OF EXPERIENCE WITH APALUTAMIDE IN METASTATIC HORMONE-SENSITIVE PROSTATE CANCER <u>João Pedroso Lima</u> , Ana Marta Ferreira, Vasco Quaresma, Paulo Azinhais, Pedro Nunes, Belmiro Parada, Arnaldo Figueiredo
12:18	C49 EFFICACY AND SAFETY OF DAPAGLIFLOZIN IN VERY OLD PATIENTS WITH HEART FAILURE <u>Inês Jordão</u> , Carolina Felix, Patrícia Paiva, Patrícia Dias, Francisco Parente, Francisco Machado, José Feio, Natália António
12:30	C50 ONE YEAR ANALYSIS OF PRESCRIBING TENDENCIES IN AN INTERNAL MEDICINE TEAM: APPLYING BEERS CRITERIA <u>Diogo José M. Lopes</u> , Rodrigo Correia, Filipa Borges-Carneiro, Miguel Torre Souto Marta Reina-Couto
12:42	C51 STATINS UTILIZATION IN CENTRAL PORTUGAL: A LONGITUDINAL 12-YEAR ANALYSIS <u>Catarina Abrantes</u> , Catarina Coelho, M. Margarida Castel-Branco, Fernando Fernandez-Llimos, Isabel V. Figueiredo

11:42	C53 THE EFFECT OF SYNTHETIC CANNABINOIDS ON VIABILITY AND PROLIFERATION OF NEURONAL IN VITRO MODELS <u>Rita Roque-Bravo</u> , Daniel José Barbosa, Helena Carmo, João Pedro Silva, Félix Carvalho, Diana Dias-da-Silva
11:54	C54 NEUROPROTECTION OF AMPHETAMINE AND METHYLPHENIDATE AGAINST PARAQUAT IN DIFFERENTIATED HUMAN SH-SY5Y CELLS <u>Patrícia Carneiro</u> , Vera Marisa Costa, Félix Carvalho, João Paulo Capela
12:06	C55 EXOSOMES DERIVED FROM MESENCHYMAL STEM CELLS PRIMED WITH HEPATIC SOS SIGNALS CARRY PRO-REGENERATIVE CARGO <u>Ana S. Serras</u> , Sérgio P. Camões, Joana S. Rodrigues, Joel M. Vej-Nielsen, Rui Vitorino, Joana P. Miranda
12:18	C56 PATTERNS OF PREVALENCE OF DRUG USE IN THE UNIVERSITY OF PORTO STUDENT POPULATION <u>Helena Rafaela Garcia</u> , Rita Roque Bravo, Rui Azevedo, Diana Dias da Silva
12:30	C57 METABOLIC REPROGRAMMING OF METASTATIC RENAL CELL CARCINOMA ASSOCIATED WITH SUNITINIB AND PAZOPANIB RESISTANCE <u>Filipa Amaro</u> , Márcia Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho, Joana Pinto
12:42	C58 EXPLORING THE POSSIBILITIES OF TRANSFERSOMILS IN SPARINGLY SOLUBLE DRUGS - THE CASE OF RUTIN <u>Ana Júlio</u> , Rossana Roque, Nuno Saraiva, Catarina Rosado, João Guilherme Costa, Tânia Santos de Almeida, Catarina Pereira-Leite

13:00 – 14:15 | Lunch

14:15 – 16:30 | Oral COMMUNICATIONS – Sessions 9 and 10**SANTA CLARA Room****INÊS DE CASTRO Room**

Session 9: NEUROPHARMACOLOGY II		Session 10: CANCER PHARMACOLOGY II	
Chairs: Sandra Vaz Jorge Oliveira		Chairs: Paula Oliveira Belmiro Parada	
14:15	C59 METHYLPHENIDATE AND AMPHETAMINE POTENTIAL TO PROMOTE NEURITE OUTGROWTH AND SYNAPTOGENESIS IN DIFFERENTIATED SH-SY5Y NEURONAL CELLS IN AN ACUTE EXPOSURE PARADIGM <u>Mariana Ferreira</u> , Vera Marisa Costa, Félix Dias Carvalho, João Paulo Capela	14:15	C69 A P53 FAMILY-TARGETING AGENT FOR THE IMPROVEMENT OF NEUROBLASTOMA THERAPY <u>Joana Almeida</u> , Matilde Barros, Jan Škoda, Diana Resende, Emília Sousa, Lucília Saraiva
14:27	C60 DOSE-DEPENDENT LONG-LASTING BEHAVIORAL EFFECTS OF PSILOCYBIN <u>Chloé Galipeau</u> , Miguel Farinha-Ferreira, Jean-Charles Mariani, Samuel Diebolt, Louis Barthe, Renata Santos, Zsolt Lenkei, Ana Maria Sebastião	14:27	C70 RESISTANCE EXERCISE IN AN ANIMAL MODEL OF MAMMARY CANCER TREATED WITH DOXORUBICIN: HEMATOLOGICAL RESULTS <u>Lara Anjos</u> , Sandra D. Santos, Juliana Anjos, Inês Aires, Inês Garcias, Catarina Azevedo, Daniel Gonçalves-Moreira, Rita Ferreira, J. A. Duarte, Paula A. Oliveira, Ana I. Faustino-Rocha
14:40	C61 DESIGNER CATHINONES N-ETHYLHEXEDRONE AND N-ETHYLPENTYLONE INDUCE AGE-DEPENDENT PROFILE OF MOTOR CHANGES <u>Pedro Benjamim</u> , Maria Lourenço, Catarina Gamito, Pedro Florindo, Rui Moreira, Dora Brites, Álvaro Lopes, Nuno Silva, Cristina de Mello-Sampayo	14:40	C71 THE INTRACELLULAR ION CHANNEL TMBIM4 CONTRIBUTES TO CANCER CELL SURVIVAL BY MODULATING THE TRANSULFURATION PATHWAY <u>Marta Martins</u> , Nuno Almeida, Marisa Nicolai, Giorgia Del Favero, Ana S. Fernandes, Nuno Saraiva
14:52	C62 GLYPROMATE CONJUGATES FOR APPLICATION IN NEURODEGENERATIVE DISEASES <u>Sara C. Silva-Reis</u> , Ivo E. Sampaio-Dias, Xavier C. Correia, Hugo F. Costa-Almeida, Vera M. Costa, Daniela Correia da Silva, David M. Pereira, Xerardo García-Mera, and José E. Rodríguez-Borges	14:52	C72 A NOVEL IN-SILICO PLATFORM FOR THE DISCOVERY OF SMALL MOLECULE INHIBITORS OF THE ERCC1-XPF COMPLEX <u>Rita Manguinhas</u> , Patricia A. Serra, Nuno Gil, Rafael Rosell, Rita C. Guedes, Nuno G. Oliveira
15:04	C63 NEURONAL VULNERABILITY IN HUNTINGTON'S DISEASE: TACKLING STRIATAL METABOLISM, STRESS RESPONSES AND PROTEOSTASIS <u>Liliana M. Almeida</u> , <u>Vasco Martins</u> , Lurdes Silva, Brígida R. Pinho, Jorge M. A. Oliveira	15:04	C73 TUNNELING NANOTUBES AS PHARMACOLOGICAL TARGETS OF TUBULIN TARGETING DRUGS <u>Patrícia Nogueira</u> , Eliška Sáňková, Dany Silva, Fernando Fernandez-Llimós, Jorge Gonçalves, Paula Fresco

15:16 C64 | DOSING THE TRIP: ASSESSING THE DOSE-DEPENDENCY OF ACUTE AND LONG-TERM PSILOCYBIN EFFECTS ON RESTING-STATE FUNCTIONAL CONNECTIVITY
Miguel Farinha-Ferreira, Jean-Charles Mariani, Samuel Diebolt, Louis Barthe, Thomas Deffieux, Mickael Tanter, Renata Santos, Ana Maria Sebastião, Zsolt Lenkei

15:28 C65 | MAPPING TRKB-ICD EXTRACELLULARLY: ALZHEIMER'S DISEASE COHORT VALIDATION OF BDNF RECEPTOR FRAGMENT IN HUMAN CEREBROSPINAL FLUID AND CARGO SORTING IN EXTRACELLULAR VESICLES
Tiago Costa-Coelho, João Fonseca-Gomes, Gonçalo Garcia, Mafalda Ferreira-Manso, Catarina B. Ferreira, Carolina de Almeida-Borlido, Juzoh Umemori, Eero Castrén, Ana M. Sebastião, Alexandre de Mendonça, Dora Brites, Maria José Diógenes

15:40 C66 | DOXORUBICIN-INDUCED NEUROTOXICITY AFFECTS DISSIMILARLY THE HIPPOCAMPAL FORMATION SUBREGIONS IN ADULT MICE: A CHEMOBRAIN STUDY
Ana Dias-Carvalho, Mariana Ferreira Ana Reis-Mendes, Maria de Lourdes Bastos, Rita Ferreira, Eduarda Fernandes, Susana Isabel Sá, João Paulo Capela, Félix Carvalho, Vera Marisa Costa

15:52 C67 | THE HIDDEN A7 NICOTINIC-OPERATED PERISYNAPTIC SCHWANN CELL-MEDIATED ACETYLCHOLINE RELEASE BRAKE IN MYASTHENIA GRAVIS
José Bernardo Noronha-Matos, Carlos Sousa-Soares, Liliana Carvalho, Magda Moutinho, Paulo Correia-de-Sá

16:04 C68 | FACE AND PREDICTIVE VALIDITY OF ZEBRAFISH MODELS OF SPORADIC AMYOTROPHIC LATERAL SCLEROSIS
Nuno A. S. Oliveira, Sabrina Oliveira, Brígida R. Pinho, Jorge M. A. Oliveira

15:16 C74 | METASTATIC HORMONE-SENSITIVE PROSTATE CANCER – OUTCOMES OF DOCETAXEL PLUS ANDROGEN-DEPRIVATION THERAPY AS FIRST-LINE TREATMENT IN A PORTUGUESE CENTER
Manuel Lopes, Ana Rita Piedade, Miguel Nobre Eliseu, Edgar Tavares da Silva, Belmiro Parada, Arnaldo Figueiredo

15:28 C75 | CHEMOPREVENTION OF ULTRAVIOLET RADIATION-INDUCED SKIN DAMAGE THROUGH REACTIVATION OF MUTANT P53
Carla Carvalho, Joana B. Loureiro, Matilde Barros, Tiago Ferreira, Adelina Quaresma, Paula A. Oliveira, Teresa M. V. D. Pinho e Melo, Lucília Saraiva

15:40 C76 | IMPAIRMENT OF MIGRATION AND INVASION OF NON-SMALL CELL LUNG CANCER CELLS BY MnTnBuOE-2-PyP⁵⁺ ALONE AND COMBINED WITH CISPLATIN
Rita B. Soares, Rita Manguinhas, João G. Costa, Ana S. Fernandes, Nuno Saraiva, Nuno Gil, Rafael Rosell, Sérgio P. Camões, Ines Batinic-Haberle, Ivan Spasojevic, Matilde Castro, Joana P. Miranda, Paula Guedes de Pinho, Nuno G. Oliveira

15:52 C77 | MODERATE INTENSITY TREADMILL EXERCISE INFLUENCES THE IMMUNE SYSTEM AND PROSTATE SIGNALOME IN A RAT MODEL OF PROSTATE CANCER
Elisabete Nascimento-Gonçalves, Fernanda Seixas, Carlos Palmeira, Gabriela Martins, Carolina Fonseca, José Alberto Duarte, Ana I. Faustino-Rocha, Bruno Colaço, Maria João Pires, Maria João Neuparth, Daniel Moreira-Gonçalves, Margarida Fardilha, Magda C Henriques, Daniela Patrício, Steven Pelech, Rita Ferreira, Paula A. Oliveira

16:04 C78 | NOVEL HORMONAL AGENTS FOR METASTATIC CASTRATION-RESISTANT PROSTATE CANCER: COMPARING OUTCOMES. A SINGLE-CENTER RETROSPECTIVE STUDY
Roberto Saldanha Jarimba, Miguel Nobre Eliseu, João Pedroso Lima, Vasco Quaresma, Pedro Moreira, Pedro Coelho Nunes, Belmiro Parada, Arnaldo José Figueiredo

16:30 – 16:50 | Coffee-Break

16:50 – 17:45 | INDUSTRY SPONSORED SESSION – PMI (Christelle Haziza, PhD)

Tobacco harm reduction and non-combustible alternatives

Chairs: Nuno Oliveira | Flávio Reis | Carlos Fontes-Ribeiro

SANTA CLARA Room

17:45 – 19:30 | Oral COMMUNICATIONS – Sessions 11 and 12

SANTA CLARA Room

INÊS DE CASTRO Room

Session 11: NEUROPHARMACOLOGY III	Session 12: RENAL & GASTROINTESTINAL PHARMACOLOGY
Chairs: Rodrigo Cunha Maria Augusta Vieira	Chairs: Sofia A. Pereira Manuela Morato
17:45 C79 ADENOSINE A_{2A} RECEPTORS MODULATE ASTROCYTIC HEMICHANNELS ACTIVITY IN THE HIPPOCAMPUS IN NON-PATHOLOGICAL AND ALZHEIMER'S DISEASE- LIKE CONDITIONS <i>Daniela Madeira, Joana Domingues, Cátia R. Lopes, Paula M Canas, Rodrigo A. Cunha, Paula Agostinho</i>	17:45 C87 HISTOMORPHOMETRIC MODIFICATIONS IN THE ILEUM AND COLON OF TYPE 1 AND TYPE 2 DIABETES MELLITUS RAT MODELS <i>Marisa Esteves-Monteiro, Mariana Ferreira-Duarte, Patrícia Dias-Pereira, Paulo Matafome, Sara Oliveira, Manuela Morato, Margarida Duarte-Araújo</i>
17:57 C80 PRO-INFLAMMATORY CUES TOWARDS REMYELINATION: NOVELTY EFFECTS OF A BLUEBERRY LEAVES-BASED NUTRACEUTICAL <i>Carolina Ferreira, Inês Preguiça, André Alves, Sara Nunes, Pedro Vieira, Ângela de Jesus, Jani Almeida, Vera Alves, Carlos Fontes-Ribeiro, Flávio Reis, Sofia Viana</i>	17:57 C88 TRIMETHYLAMINE INCREASES INTESTINAL FATTY ACID ABSORPTION <i>Catarina Rodrigues, Shámila Ismael, Inês Barreiros-Mota, Inês Castela, Maria João Almeida, Gilberto Santos, Jacinta Serpa, Conceição Calhau, Júlio César Rocha, Ana Faria, João R. Araújo</i>
18:10 C81 INVESTIGATING THE MITOCHONDRIAL PYRUVATE CARRIER AS A THERAPEUTIC TARGET IN HUNTINGTON'S DISEASE <i>Ângela Oliveira, Liliana M. Almeida, Brígida R. Pinho, Jorge M. A. Oliveira</i>	18:10 C89 DRUG-RESISTANT DIABETIC AND NON-DIABETIC IMPOTENT MEN MAY BENEFIT FROM DIFFERENTLY TARGETING P2Y₁ AND P2Y₁₂ RECEPTORS <i>Natália Sousa, Diogo Silva, Miguel Faria, José-Maria Lafuente-de-Carvalho, Paulo Correia-de-Sá</i>
18:22 C82 EFFECTS OF CHRONIC CAFFEINE CONSUMPTION ON SYNAPTIC FUNCTION AND ADENOSINE MODULATION <i>Cátia R. Lopes, Andreia Oliveira, Ingrid Gaspar, Matilde S. Rodrigues, Joana Santos, Eszter Szabó, Henrique B. Silva, Ângelo R. Tomé, Paula M. Canas, Paula Agostinho, Rui A. Carvalho, Rodrigo A.</i>	18:22 C90 HIGH-DOSE OF LIRAGLUTIDE PROMOTES INSULIN RESISTANCE AND GLOMERULAR COLLAGEN DEPOSITION IN SPONTANEOUS HYPERTENSIVE FEMALE RATS <i>Tonon FF, Batista TJ, Ronchi SN, Couto M, Peixoto P, Escouto L, Minassa VS, Pimpão BA, Pereira SA, Bissoli NS, Melo Jr AF</i>

Cunha, Ana Patrícia Simões, João Pedro Lopes, Samira G. Ferreira

18:34 C83 | IMPACT OF RESTRAINT STRESS ON THE DENSITY OF AQUAPORIN 4 AND KIR4.1: PUTATIVE MODULATION BY ADENOSINE A_{2A} RECEPTORS

Margarida Nabais, Liliana Dias, Rodrigo A. Cunha, Paula Agostinho

18:46 C84 | SITAGLIPTIN AND REMYELINATION: AN EXPERIMENTAL STUDY USING THE CUPRIZONE-INDUCED MOUSE MODEL OF MULTIPLE SCLEROSIS

Filipe Palavra, Carolina Ferreira, Gonçalo Ferreira, Sofia Viana, Flávio Reis

18:58 C85 | MICROGLIA IN BRAIN REGIONS TARGETED BY HYPO- AND HYPERFUNCTIONAL DOPAMINERGIC NEURONS IN SCHIZOPHRENIA PRESENT DIVERGENT MORPHOLOGIC PHENOTYPES AT ADOLESCENCE

Ana C. Rodrigues-Neves, Bárbara Coimbra, Rita Gaspar, Verónica Domingues, Carina Soares-Cunha Patrícia Patrício, Luísa Pinto5, João Bessa, Ana J Rodrigues, António F Ambrósio, Catarina A. Gomes

19:10 C86 | PROFILING STRESS RESPONSES IN A HUNTINGTON'S DISEASE CELLULAR MODEL FOR PHARMACOLOGICAL STUDIES

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

18:34 C91 | HYDROXYTYROSOL (OHTYR) REVERTS RENAL ARYL HYDROCARBON RECEPTOR (AHR) CANONICAL ACTIVATION INDUCED BY CHRONIC INTERMITTENT HYPOXIA

António B. Pimpão, M. João Correia, Elsa Mecha, Antonio Melo Junior, Teresa Serra, Catarina O. Sequeira, Maria R. Bronze, Emília C. Monteiro, Sofia A. Pereira

18:46 C92 | HETEROGENEITY IN STUDIES OF RENIN-ANGIOTENSIN SYSTEM BLOCKERS IN INFLAMMATORY BOWEL DISEASE: A SYSTEMATIC REVIEW

Mariana Ferreira-Duarte, Fernanda S. Tonin, Margarida Duarte-Araújo, Fernando Fernandez-Llimos, Manuela Morato

18:58 C93 | AGEING DIFFERENTLY AFFECTS β_3 -ADRENOCEPTOR RESPONSES IN THE UROTHELIUM AND CHOLINERGIC NERVES OF THE RAT BLADDER

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

19:10 C94 | URINARY ALDOSTERONE/CREATININE RATIO – A NOVEL BIOMARKER OF CHRONIC KIDNEY DISEASE IN DOGS AND CATS?

Susana Flores, Manuela Morato, Margarida Duarte-Araújo

20:30 | MEETING DINNER

TERTÚLIA D'EVENTOS Restaurant

Friday,
February 3rd



8:30 | REGISTRATION Open

9:00 – 10:30 | Oral COMMUNICATIONS – Sessions 13 and 14

SANTA CLARA Room

INÊS DE CASTRO Room

Session 13:
CLINICAL
PHARMACOLOGY II

Session 14:
ENDOCRINE & METABOLIC
PHARMACOLOGY II

Chairs: Manuel Nunes Gaspar |
Francisco Batel-Marques

Chairs:
Sílvia V. Conde | Maria P. Guarino

- 9:00 C95 | TEMPORAL CHANGES IN PRESCRIPTION TRENDS OF DISEASE MODIFYING DRUGS OF PATIENTS ADMITTED TO AN ADVANCED HEART FAILURE UNIT
Diogo de Almeida Fernandes, Natália António, Carolina Lourenço, Cátia Ferreira, Rui Baptista, Susana Costa, Fátima Franco, Lino Gonçalves
- 9:12 C96 | EXPERIENCE OF 7 MONTHS OF AN ACTIVE PHARMACOVIGILANCE PROJECT IN A PORTUGUESE TERTIARY HOSPITAL
Miguel Torre Souto, Diogo José M. Lopes, Filipa Borges-Carneiro, Paula Moreira, Isabel Silva, Gonçalo Cordeiro, Andreia Dias, André Valois, Luís Figueira, Fernando Magro, Marta Reina-Couto
- 9:24 C97 | THERAPEUTIC RECONCILIATION IN THE UROLOGY AND RENAL TRANSPLANTATION DEPARTMENT OF COIMBRA UNIVERSITY HOSPITAL
Renato Rodrigues, João Pedroso Lima, Belmiro Parada, Arnaldo Figueiredo

- 9:00 C102 | ROLE OF PRO-INFLAMMATORY CYTOKINES IN THE DYSFUNCTION OF CAROTID BODY IN METABOLIC DISEASES
Gonçalo M. Melo, Joana F. Sacramento, Kryspin Andrzejewski, Fátima O. Martins, Katarzyna Kaczyńska, Sílvia V. Conde
- 9:12 C103 | NEUROMETABOLIC AND BEHAVIORAL ALTERATIONS IN THE ADOLESCENT OFFSPRING UPON MATERNAL GLYCATION
Andreia Amaro, Mariana Sá-Rocha, Diana Sousa, Marcos F. Júnior, Cátia Barra, Tamaeh Monteiro, Flávio Reis, Rodrigo Mello-Gomes, Filipa I. Baptista, Paulo Matafome
- 9:24 C104 | METABOLIC IMPACT OF LONG-TERM BLUEBERRY JUICE SUPPLEMENTATION ON A DIET-INDUCED RAT MODEL OF PREDIABETES
Gonçalo Ferreira, Pedro Vieira, André Alves, Sara Nunes, Inês Preguiça, Beatriz Ormonde, Solange Semião, Tânia Martins-Marques, Cláudia Pereira, Henrique Girão, Pedro Gomes, Sofia Viana, Flávio Reis

9:36 C98 | OPIOIDS RELATED ADVERSE DRUG REACTIONS IN THE ELDERLY: A 10-YEAR REVIEW OF REPORTS TO THE PORTUGUESE NATIONAL PHARMACOVIGILANCE SYSTEM

Luísa Prada, João Fernandes, Daniel Caldeira, Márcia Silva, Ricardo M. Fernandes

9:48 C99 | IMPACT OF COVID-19 PANDEMICS ON ANTIDEPRESSANT CONSUMPTION IN CENTRAL PORTUGAL: INTERRUPTED TIME SERIES

Luciana G. Negrão, Catarina Coelho, M. Margarida Castel-Branco, Fernando Fernandez-Llimos, Isabel V. Figueiredo

10:00 C100 | BLOOD DERIVATIVES: WHAT DO WE KNOW ABOUT THEM? A 20-YEAR REVIEW OF REPORTS TO THE PORTUGUESE NATIONAL PHARMACOVIGILANCE SYSTEM.

João Fernandes, Luísa Prada, Sandra Queiroz, Catarina Santos, Márcia Silva

10:12 C101 | THE VALUE OF A CLINICAL PHARMACOLOGY UNIT TO A PHARMACY AND THERAPEUTICS COMMITTEE

Filipa Borges-Carneiro, Miguel Torre Souto, Diogo José M. Lopes, Andreia Dias, Gonçalo Cordeiro, Isabel Silva, Paula Moreira, Marta Reina-Couto, Luís Figueira, Fernando Magro

9:36 C105 | ROLE OF CAROTID BODY ON THE GLP-1 EFFECTS ON COUNTER-REGULATORY RESPONSES

Adriana M. Capucho, Dinis Sampaio-Pires Fátima O. Martins, Joana F. Sacramento, Gonçalo M. Melo, Sílvia V. Conde

9:48 C106 | OBESOGENIC ENVIRONMENTS EXPOSURE DURING PERINATAL DEVELOPMENT MODULATES ENERGY BALANCE IN THE ADIPOSE TISSUE OF NEWBORNS

Diana Sousa, Mariana Sá-Rocha, Andreia Amaro, Marcos Ferreira Junior, Susana Pereira, Flávio Reis, Cátia Barra, Rodrigo Mello-Gomes, Paulo Oliveira, Paulo Matafome

10:00 C107 | DYSMETABOLISM IN HUMANS AND RATS IS ASSOCIATED WITH CHANGES IN ADENOSINE SIGNALING IN WHITE AND BROWN ADIPOSE TISSUE

José Ponce de Leão, Fátima O. Martins, Daniela Rosendo-Silva, Bernardete F. Melo, Solange F. Farreca, Adriana M. Capucho, Joana F. Sacramento, Paulo Matafome, Sílvia V. Conde

10:30 – 11:00 | Coffee-Break

11:00-13:00 | Oral COMMUNICATIONS – Sessions 15 and 16

SANTA CLARA Room

Session 15: NEUROPHARMACOLOGY IV	
<i>Chairs:</i> Ana Paula Silva João Malva	
11:00	<p>C108 STRESS CONDITIONS AFFECT THE ACTIVITY OF THE GLYMPHATIC SYSTEM: INVOLVEMENT OF ADENOSNE A_{2A} RECEPTORS</p> <p><u>Liliana Dias</u>, Paula Canas, Rodrigo A. Cunha, Paula Agostinho</p>
11:12	<p>C109 METHYLAZOXYMETHANOL ACETATE, A TOXIN USED TO MODEL SCHIZOPHRENIA, AFFECTS MICROGLIA PROLIFERATION IN VITRO</p> <p><u>Jéssica Monteiro</u>, A. Catarina Rodrigues-Neves, A. Francisco Ambrósio, Catarina A. Gomes</p>
11:24	<p>C110 CHRONIC BLOCKADE OF ADENOSINE A_{2A} RECEPTORS REVERT PREFRONTAL CORTEX SYNAPTIC PLASTICITY DEFICITS INDUCED BY BINGE-LIKE EXPOSURE TO ETHANOL IN ADOLESCENT FEMALE RATS</p> <p><u>Madalena Piteira</u>, Sarah Viana, Joana Santos, João P. Lopes, Cátia R. Lopes, Pedro Valada, Joana Silva, Ângelo R. Tomé, Bruno G. Pinheiro, Cristiane S.F. Maia, Rodrigo A. Cunha, Samira G. Ferreira</p>
11:36	<p>C111 TRKB-FL RECEPTOR: A VIRTUAL-AIDED DESIGN OF SMALL COMPOUNDS TO PREVENT ITS CLEAVAGE</p> <p><u>Sara Inteiro-Oliveira</u>, Lia Barreira-Fernandes, Tiago Costa-Coelho, Mafalda Ferreira-Manso, Ana M. Sebastião, Francisco J. Enguita, Maria José Diógenes</p>
11:48	<p>C112 DEVELOPMENT OF A CURCUMIN DERIVATIVE: IMPACT ON NEUROINFLAMMATION AND β-AMYLOID PLAQUES IN ALZHEIMER'S DISEASE CELLULAR MODELS</p> <p><u>Beatriz Rodrigues</u>, Eduarda Ventura, Patrícia Moreira, Joana Bicker, Armanda Santos, Teresa Cruz, Maria Paula Robalo, Ana Silva, Sónia Silva</p>

INÊS DE CASTRO Room

Session 16: CANCER PHARMACOLOGY III	
<i>Chairs:</i> Rosa Fernandes Paula Fresco	
11:00	<p>C118 ANIMAL MODEL OF BREAST CANCER INDUCED BY N-METHYL-M-NITROSOUREA (MNU): CYTOGENETIC CHARACTERIZATION</p> <p><u>Abigaël Valada</u>, Maria Miranda, Jessica Silva, Tiago Azevedo, Lara Anjos, Fernanda Seixas, Manuela Matos, Rosário Pinto-Leite, Paula A. Oliveira</p>
11:12	<p>C119 β- ADRENERGIC ACTIVATION INDUCES LIPID DROPLET ACCUMULATION IN HUMAN MCF-7 BREAST CANCER CELLS</p> <p><u>Dany Silva</u>, Katarzyna Kacprzak, Clara Quintas, Jorge Gonçalves, Paula Fresco</p>
11:24	<p>C120 3-(1,2,3-TRIAZOL-4-YL)-β-CARBOLINES AND 3-(1H-TETRAZOL-5-YL)-β-CARBOLINES: SYNTHESIS AND EVALUATION AS ANTICANCER AGENTS</p> <p><u>João L. P. Ribeiro</u>, Joana B. Loureiro, Susana M. M. Lopes, Lucília Saraiva, Teresa M. V. D. Pinho e Melo</p>
11:36	<p>C121 IMMUNE CHECKPOINT INHIBITORS AND CARDIAC EVENTS – A PHARMACOVIGILANCE DATABASE ANALYSIS</p> <p><u>Catarina Santos</u>, João Fernandes, Luísa Prada, Rita Avó-Baião, Márcia Silva</p>
11:48	<p>C122 ANTITUMORAL ACTIVITY OF GREEN AND ROASTED COFFEE EXTRACTS</p> <p><u>Nelson Andrade</u>, Juliana Peixoto, Cláudia Silva, Susana Machado, Anabela Costa, Beatriz Oliveira, Fátima Martel, Rita Alves</p>

12:00 C113 | CHARACTERIZATION OF THE ENDOCANNABINOID SYSTEM IN THE SOD1(G93A) MICE MODEL THROUGHOUT DISEASE PROGRESSION

Mariana Pinto Coelho, Sara Costa-Pinto, Ana M. Sebastião, Sandra H. Vaz

12:12 C114 | IMPAIRMENT OF MITOCHONDRIA-ASSOCIATED MEMBRANES (MAMs) IN BIPOLAR DISORDER

Ana Catarina Pereira, Ana Patrícia Marques, Rosa Resende, Laura Serrano, Mariana Batista, António Macedo, Cláudia Pais, Joana B. Melo, Nuno Madeira, Maria Teresa Cruz, Cláudia Cavadas, Cláudia Pereira

12:24 C115 | THE DIFFERENT β -ADRENOCEPTORS MAY PLAY DISTINCT ROLES IN THE ESTABLISHMENT AND PERSISTENCE OF POST-TRAUMATIC STRESS DISORDER SYMPTOMS AND SIGNS IN A MOUSE MODEL

Rafaela Seixas, Raquel Martinho, Ana Oliveira, Paula Serrão, Mónica Moreira-Rodrigues

12:36 C116 | ADENOSINE A_3 RECEPTOR MEDIATED INHIBITION OF GABA UPTAKE

Anwesha Ghosh, Nádia Rei, Dilip K. Tosh, Tatiana P. Morais, Sandra H. Vaz, Kenneth A. Jacobson, Joaquim A. Ribeiro, Ana M. Sebastião

12:48 C117 | ALTERATIONS IN THE ER-MITOCHONDRIA CONTACTS AFFECT LIPID METABOLISM IN AN ALZHEIMER'S DISEASE IN VITRO MODEL

Tânia Fernandes, Rosa Resende, Maria Teresa Cruz, Rosário Domingues, Cláudia Pereira, Paula Moreira

12:00 C123 | A POLYPHENOLIC COMPOUND AS AN AQUAPORIN-3 INHIBITOR WITH POTENTIAL ANTICANCER ACTIVITY

Inês Paccetti-Alves, Jéssica Marques, Catarina Pimpão, Inês V. da Silva, Marta S. P. Batista, Bruno L. Victor, Graça Soveral

12:12 C124 | CHEMOPREVENTIVE EFFECT OF A *SANTOLINA CHAMAECYPARISSUS* EXTRACT: DATA FROM AN ANIMAL MODEL OF BREAST CANCER

Tiago Azevedo, Jessica Silva, Abigaël Valada, Lara Anjos, Tânia Moura, Rafaela Ferreira, Marlene Santos, Maria João Pires, Maria João Neuparth, Francisco Peixoto, Felisbina Queiroga, Fernanda Seixas, Tiane Finimundy, Lillian Barros, Manuela Matos, Paula A. Oliveira

12:24 C125 | TARGETING PANCREATIC CANCER WITH A BRCA1 INDUCER AGENT

Juliana Calheiros, João Morais, Filipa Barbosa, Silva Mulhovo, Vincenzo Corbo, Maria José U. Ferreira, Lucília Saraiva

12:36 C126 | β -ADRENERGIC MODULATION OF LIPID DROPLETS DYNAMICS IN BREAST CANCER CELLS WITH DIFFERENT TUMORIGENIC PROFILES

Dany Silva, Victória Bombarda-Rocha, Katarzyna Kacprzak, Clara Quintas, Jorge Gonçalves, Paula Fresco

13:00 – 14:15 | Lunch

14:15 – 16:30 | Oral COMMUNICATIONS – Sessions 17 and 18

SANTA CLARA Room

INÊS DE CASTRO Room

Session 17: TOXICOLOGY II		Session 18: CELLULAR & MOLECULAR THERAPIES II	
Chairs: Félix Carvalho Fernando Remião		Chairs: Hélder Mota-Filipe Jorge Gonçalves	
14:15	C127 POISONING PROFILE IN PORTUGAL BETWEEN 2019-2021 <i>André RTS Araujo, Eugenia Gallardo, Fátima Rato</i>	14:15	C136 CEREBELLAR NEURONAL PROGENITORS FOR CEREBELLAR TRANSPLANTATION IN MACHADO-JOSEPH DISEASE <i>Daniel Henriques, Ricardo Moreira, Pedro Perdigão, Agnete Kirkeby, Luís Pereira de Almeida, Liliana Mendonça</i>
14:27	C128 SELF-POISONING WITH NITRITE. TOXICOLOGICAL ANALYSIS FROM A FORENSIC AUTOPSY AND IN VITRO INVESTIGATION OF CYTOTOXICITY. <i>Sara Pinheiro, Helena Carmo, Sara Costa, Luís Coelho, Rui Rangel, Félix Carvalho</i>	14:27	C137 PLASMA-DERIVED EXTRACELLULAR VESICLES FROM MACHADO-JOSEPH DISEASE/SPINOCEREBELLAR ATAXIA TYPE 3 ATAXIC PATIENTS ARE ENRICHED IN MITOCHONDRIAL, NUCLEAR AND NUCLEOLAR SMALL RNA SPECIES <i>Patrick Silva, Maria M. Pinto, Laetitia Gaspar, Joana Ribeiro, Inês Cunha, Cristina Januário, Tânia Marques, Margarida Gama-Carvalho, ESMI Consortium, Luís Pereira de Almeida, Magda M. Santana</i>
14:40	C129 EVALUATION OF THE SHORT-TERM AND LONG-TERM CARDIOTOXICITY OF DOXORUBICIN: THE PUTATIVE ROLE OF INFLAMMATION <i>Ana Reis-Mendes, Mariana Ferreira, Ana Padrão, José Alberto Duarte, Margarida Duarte-Araújo, Fernando Remião, Félix Carvalho, Emília Sousa, Maria Lourdes Bastos, Vera Marisa Costa</i>	14:40	C138 PHOTOSENSITIZERS CONJUGATED WITH CARBOHYDRATES FOR TARGETING FIBROSIS IN AGE-RELATED MACULAR DEGENERATION <i>Sandra Beirão, Andreia Melo, João P. C. Tomé, Rosa Fernandes</i>
14:52	C130 <i>IN SILICO</i> SCREENING OF SHORT-CHAIN PERFLUOROALKYL SUBSTANCES (PFAS) FOR ENDOCRINE DISRUPTION POTENTIAL <i>Ana Capitão, Silvia Sousa, Alexandrina Ferreira Mendes</i>	14:52	C139 THE MITOCHONDRIOTROPIC ANTIOXIDANT BASED ON CAFFEIC ACID ANTIOXICIN₆ LOWERS MITOCHONDRIAL METABOLISM WHILE UPREGULATING GLYCOLYSIS IN HUMAN HEPG2 CELLS <i>Ricardo Amorim, Carina Magalhães, Sofia Benfeito, Ludgero C. Tavares, Inês Baldeiras, John G. Jones, Fernanda Borges, Paulo J. Oliveira, José Teixeira</i>
15:04	C131 TOXICOLOGICAL ACTIVITY OF AN AQUEOUS EXTRACT OF <i>PTERIDIUM AQUILINUM</i> IN MICE GENETICALLY MODIFIED FOR HPV16	15:04	C140 PHARMACOLOGICAL MODULATION OF MIGRATION AND NEURONAL DIFFERENTIATION OF IPSC-DERIVED NEUROEPITHELIAL STEM CELLS

Beatriz Medeiros-Fonseca, Luís Félix, Carlos Venâncio, Rui Medeiros, Rui M. Gil da Costa, Paula Oliveira

15:16 C132 | UNRAVELLING THE EFFECT OF METHYLMERCURY EXPOSURE IN SVZ-DERIVED NEURAL STEM/PROGENITOR CELL CULTURES

Élisa Fonseca, João B. Moreira, Joana M. Mateus, Sara Xapelli, Reinaldo Oriá, Carlos Fontes-Ribeiro, João Malva

15:28 C133 | CYTOTOXICITY ASSESSMENT OF INNOVATIVE TOPICAL NANODELIVERY SYSTEMS FOR ATOPIC DERMATITIS

Rossana Roque, Cíntia Almeida, Ana Sofia Fernandes, Catarina Rosado, Catarina Pereira-Leite, Nuno Saraiva

15:40 C134 | INCREASED NEURONAL DIFFERENTIATION OF NG108-15 CELLS INDUCED BY THE SYNTHETIC CANNABINOID AMB-FUBINACA IS ACCOMPANIED BY DISRUPTED MITOCHONDRIAL FUNCTION

Rui Filipe Malheiro, Helena Carmo, Félix Carvalho, João Pedro Silva

15:52 C135 | TOXIC HAZARDS WARNED BY OTHERS: HEDGEHOGS (*ERINACEUS EUROPAEUS*) AS BIOINDICATORS OF HEAVY METAL(LOID)S POLLUTION

Catarina Jota Baptista, Fernanda Seixas, José M. Gonzalo-Orden, Carla Patinha, Pedro Pato, Eduardo Ferreira da Silva, María Casero, Erica Brazio, Ricardo Brandão, Daniela Costa, Teresa Letra Mateus, Paula A. Oliveira

Ricardo Moreira, Daniel Henriques, Clévio Nóbrega, Luís Pereira de Almeida, Liliana Mendonça

15:16 C141 | INVESTIGATING THE CLOCK COMPONENTS AND CIRCADIAN ACTIVITY IN THE YAC-MJD MOUSE MODEL

Rodrigo F.N. Ribeiro, Dina Pereira, Tiago Reis, Sara Lopes, Marisa Ferreira-Marques, Rita Fernandes, Laetitia S. Gaspar, João Peça, Maria Manuel Silva, Luís Pereira de Almeida, Cláudia Cavadas

15:28 C142 | THE ROLE OF FIBROBLAST-DERIVED MICROVESICLES IN THE INDUCTION OF EPITHELIAL-MESENCHYMAL TRANSITION: IMPLICATIONS FOR AGE-RELATED MACULAR DEGENERATION

Maria Pires, Beatriz Martins, Paulo Santos, António Francisco Ambrósio, Rosa Fernandes

15:40 C143 | MESENCHYMAL STROMAL CELLS ALLEVIATE AUTOPHAGY AND MITOCHONDRIA DYNAMICS ALTERATIONS IN MACHADO-JOSEPH DISEASE MODELS

António Da Silva, Inês Barros, Diana Lobo, Daniela Gonzaga, Luís Pereira de Almeida, Catarina Oliveira Miranda

15:52 C144 | ANTISENSE OLIGONUCLEOTIDE EXON-SKIPPING AS A THERAPEUTIC APPROACH FOR A RARE DISEASE

Mariana Gonçalves, Liliana Matos, Juliana I. Santos, Maria Francisca Coutinho, Maria João Prata, Maria João Pires, Paula Oliveira, Maryam Omidig, Sandra Pohl, Sandra Alves

16:15 – 16:45 | Coffee-Break

16:45 – 17:45 | Oral COMMUNICATIONS – Sessions 19 and 20

SANTA CLARA Room

**Session 19:
CARDIOVASCULAR
PHARMACOLOGY**

**Chairs:
Laura Oliveira | Teresa Sousa**

INÊS DE CASTRO Room

**Session 20:
TEACHING PHARMACOLOGY &
REGULATORY AFFAIRS**

**Chairs:
Ana Sebastião | Margarida Araújo**

16:45 C145 | A METABOLOMIC APPROACH REVEALS THAT HYDROXYTYROSOL IMPACTS TRYPTOPHAN METABOLISM IN A RAT MODEL OF HYPERTENSION ASSOCIATED TO OBSTRUTIVE SLEEP APNEA

M. João Correia, António B. Pimpão, Elsa Mecha, M Rita Ventura, Beatriz Martins, Teresa Serra, Cátia Sousa, Rosário Bronze, Emília C. Monteiro, Sofia A. Pereira, [Judit Morello](#)

16:57 C146 | EVALUATION OF PLASMA MIR-146A IN DOGS WITH MYXOMATOUS MITRAL VALVE DISEASE

[Ana Reis-Ferreira](#), Luís Lima Lobo, Joana Neto-Mendes, Joana Santos-Gomes, Carmen Brás-Silva, Ana Patrícia Fontes-Sousa

17:10 C147 | GAP JUNCTIONAL COMMUNICATION FAILURE, ATP RELEASE AND CARDIAC FIBROSIS ARE LINKED TO LATERALIZATION OF CONNEXIN-43 IN CARDIOMYOCYTES OF CHILDREN WITH ENDOMYOCARDIAL FIBROSIS

[Paulo Correia-de-Sá](#), Paula Teixeira, Fátima Ferreirinha, Ana Olga Mocumbi

17:22 C148 | CARDIAC METABOLISM, PROTEOLYSIS AND REGENERATION ARE DISTURBED BY MITOXANTRONE IN OLD CD-1 MICE

[Sofia Reis Brandão](#), Ana Reis-Mendes, Maria João Neuparth, Félix Carvalho, Rita Ferreira, Vera Marisa Costa

17:34 C149 | 1,8-CINEOLE IMPROVES RIGHT VENTRICLE DYSFUNCTION AND REDUCES PULMONARY VASCULAR REMODELING ASSOCIATED WITH PULMONARY ARTERIAL HYPERTENSION

[Mónica Zuzarte](#), Jorge Alves-Silva, Carla Marques, Sofia Viana, Rui Baptista, Flávio Reis, Lúgia Salgueiro, Henrique Girão

16:45 C150 | CORE CONCEPTS IN PHARMACOKINETICS FOR THE INTEGRATED MASTER'S DEGREE IN MEDICINE: A MULTIDISCIPLINARY APPROACH

[Sofia A. Pereira](#), Judit Morello, Luísa Teixeira-Santos, Teresa Monteiro, Emília C. Monteiro

16:57 C151 | TRAINING CLINICAL TRIAL TEAMS OF THE FUTURE: OPEN ONLINE CONSCIOUS PROGRAMS

[Joana R. Batuca](#), Jitka Rychlickova, Viktória Nagy, Frances Shiely, Zora Cechova, Katerina Nebeska, Stephane Mouly, Gábor L. Kovács, Annamária Németh, Tiago Oliveira, Marco Painho, Sara Maia, Emília C. Monteiro, on behalf of the Erasmus+ consortium CONSCIOUS II

17:10 C152 | APPLICATION OF THE REGULATION (EU) 2019/6: COMPANY ANIMALS

[Rafaela M. Nogueira](#), José M. Gonzalo-Orden, Paula A. Oliveira

17:22 C153 | DIGITAL PLATFORM TO SUPPORT PHARMACOTHERAPY TEACHING IN THE INTEGRATED MASTER IN VETERINARY MEDICINE: APPLICATION OF REGULATION 2019/6

[Paula A. Oliveira](#), Carlos Vaz

18:00 – 18:15 | CLOSING SESSION

SANTA CLARA Room