

PROGRAMME

Sunday, November 28, 2010

Faculty of Pharmacy, Health Sciences Campus, Univ. Coimbra

16.00 h

Registration

17.00 h

Opening Ceremony

SESSION 1 – Chairperson: Catarina Oliveira

17.15 h

PL 1 – Bluepharma Lecture

21st CENTURY CANCER DRUG DISCOVERY BY SELECTIVE GENE TARGETING

Stephen Neidle, School of Pharmacy, Univ. London, UK

18.00 h

OC 1 - ANTICANCER PROFILE AND G-QUADRUPLEX STABILIZATION OF INDOLOQUINOLINE DERIVATIVES

Alexandra Paulo, iMed.UL, Fac. Farmácia, Univ. Lisboa, Portugal

18.15 h

OC 2 - STEROLS AS ANTICANCER AGENTS: SYNTHESIS, BIOLOGICAL EVALUATION AND SAR ANALYSIS

João Carvalho, CEF, Fac. Farmácia, Univ. Coimbra, Portugal

18.30 h

OC 3 - SYNTHESIS OF PRENYLATED DERIVATIVES OF BAICALEIN AS INTERESTING APOPTOSIS INDUCERS

Marta Neves, CEQUIMED-UP, Fac. Farmácia, Univ. Porto, Portugal

18.45 h

OC 4 - INTRACELLULAR LOCALIZATION, BIODISTRIBUTION, PHARMACOKINETICS AND PHOTODYNAMIC EFFICACY OF NEW PHOTOSENSITIZERS FOR PDT OF CANCER

Sérgio Simões, Fac. Farmácia, Univ. Coimbra and Bluepharma, Portugal

19.15 h

Welcome Reception

Monday, November 29

Hotel Vila Galé, Coimbra

SESSION 2 – Chairperson: Artur Silva

9.00 h

PL 2 - INHIBITORS OF DIPEPTIDYL PEPTIDASES: FROM DRUG DISCOVERY TO THE CLINIC

Koen Augustyns, Lab. Medicinal Chemistry, Univ. Antwerp, Belgium

9.45 h

OC 5 - SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF PURINE DERIVATIVES

Júlia Turela, CEBIMED, Univ. Fernando Pessoa, Lisboa, Portugal

10.00 h

OC 6 - MASS SPECTROMETRIC CHARACTERIZATION OF HEMOGLOBIN ADDUCTS FROM THE ANTI-HIV DRUG NEVIRAPINE FORMED *IN VIVO*

Ana Godinho, Centro de Química Estrutural, Instituto Superior Técnico, Lisboa, Portugal

10.15 h

OC 7 - POLYSULFATED XANTHONES: NEW FAMILY OF ANTICOAGULANT MOLECULES

Emília Sousa, CEQUIMED-UP, Fac. Farmácia, Univ. Porto, Portugal

10.30 h

Coffee Break

SESSION 3 – Chairperson: Madalena Pinto

11.00 h

IL 1 - EPIGENETIC THERAPY AND NUCLEAR PROTEOME ALTERATIONS

Francisco Amado, QOPNA, Dep. Química, Univ. Aveiro, Portugal

11.30 h

OC 8 - NOVEL ANTITUMOR DNA ALKYLATING AGENTS: SYNTHESIS AND BIOLOGICAL EVALUATION OF HYDROXYMETHYL-1*H*,3*H*-PYRROLO[1,2-*c*]THIAZOLES

M. Isabel Soares, Dep. Química, Fac. Ciências e Tecnologia, Univ. Coimbra, Portugal

11.45 h

OC 9 - SYNTHESIS OF NEW CYCLIC RGD PEPTIDES BY CLICK CHEMISTRY

Helena Vilaça, Centro de Química, Univ. Minho, Braga, Portugal

12.00 h

OC 10 - HETEROCYCLIC COMPOUNDS AS MODELS FOR NOVEL ANTITUMOR COMPOUNDS

Diana Pinto, QOPNA, Dep. Química, Univ. Aveiro, Portugal

12.15 h

OC 11 - DESIGN, SYNTHESIS, EVALUATION AND STRUTURE-ACTIVITY RELATIONSHIP OF NEW XANTHONIC PGLYCOPROTEIN INHIBITORS

Andreia Palmeira, CEQUIMED-UP, Fac. Farmácia, Univ. Porto, Portugal

12.30 h

OC 12 - RATIONAL DESIGN, SYNTHESIS AND SCREENING OF NOVEL COX-2 SELECTIVE INHIBITORS

M. Manuel Marques, REQUIMTE, Dep. Química, Fac. Ciências e Tecnologia, Univ. Nova Lisboa, Portugal

12.45 h

Lunch

13.30 h

Poster Session 1 - P1 to P60

SESSION 4 – Chairperson: Sebastião Formosinho Simões

14.30 h

PL 3 - STRUCTURE-FUNCTION-DYNAMICS RELATIONSHIPS IN PROTEINS: IMPLICATIONS FOR DRUG DISCOVERY
Giorgio Colombo, ICRM, CNR, Milan, Italy

15.15 h

OC 13 - SOLUBILITY MEETS SPECIFICITY: EVALUATION OF VIRTUAL SCREENING METHODS TOWARDS THE DISCOVERY OF FUNCTIONAL TRANSTHYRETIN AMYLOID INHIBITORS
Carlos Simões, CNC, Univ. Coimbra, Portugal

15.30 h

OC 14 - COMPUTER AIDED DRUG DESIGN: A FRAGMENT-BASED APPROACH
Nuno Micaêlo, Dep. Química, Univ. Minho, Braga, Portugal

15.45 h

OC 15 - DOCKING STUDIES AND MOLECULAR DYNAMICS SIMULATIONS OF Re(I) COMPLEXES COINTAINING L-Arg DERIVATIVES FOR iNOS TARGETING
Irina Moreira, REQUIMTE, Dep. Química, Fac. Ciências e Tecnologia, Univ. Porto, Portugal

16.00 h

OC 16 - CXCR4 HOMOLGY MODELING USING A MULTIPLE CHEMOTYPE LIGAND-GUIDED APPROACH
Marco Neves, CEF, Fac. Farmácia, Univ. Coimbra, Portugal

16.15 h

Coffee Break

SESSION 5 – Chairperson: Ana Maria Lobo

16.45 h

IL 2 - FROM CHEMISTRY TO CLINICAL APPLICATIONS IN THE MOLECULAR IMAGING ERA
Isabel Santos, Inst. Tecnológico e Nuclear, Sacavém, Portugal

17.15 h

OC 17 - A NEW THIOETHER BRIDGE-CYCLIZED α -MSH DERIVATIVE: SYNTHESIS, LABELLING WITH ^{99m}Tc (I) AND BIOLOGICAL EVALUATION
Maurício Morais, Inst. Tecnológico e Nuclear, Sacavém, Portugal

17.30 h

OC 18 - CHEMOMETRICS TOOLS FOR MEDICAL DIAGNOSIS
Tânia Guerreiro Cova, Dep. Química, Fac. Ciências e Tecnologia, Univ. Coimbra, Portugal

17.45 h

IL 3 - STEM CELLS: HIGH-THROUGHPUT CELLULAR MICROARRAY PLATFORMS AND APPLICATIONS IN DRUG DISCOVERY
Tiago Fernandes, IBB, Instituto Superior Técnico, Lisboa, Portugal

18.15 h

Meeting of the Medicinal Chemistry Group (SPQ)

19.30 h

Social Dinner

Tuesday, November 30

Hotel Vila Galé, Coimbra

SESSION 6 – Chairperson: Rui Moreira

9.00 h

PL 4 - SYNTHETIC ENDOPEROXIDE ANTIMALARIAL; IDENTIFICATION OF A DRUG DEVELOPMENT CANDIDATE AND BACK-UP MOLECULES WITH SUPERIOR PROPERTIES TO THE ARTEMISININS AND OZ277

Paul O'Neill, Dep. Chemistry, Univ. Liverpool, UK

9.45 h

OC 19 - ARTEMISININ-BASED HYBRID COMPOUNDS TARGETING LIVER AND BLOOD STAGES OF MALARIA PARASITES

Francisca Lopes, iMed.UL, Fac. Farmácia, Univ. Lisboa, Portugal

10.00 h

OC 20 - NEW PEPTIDIC CYSTEINE PROTEASE INHIBITORS

Nuna Araújo, CCMAR, Dep. Química e Farmácia, Univ. Algarve, Faro, Portugal

10.15 h

OC 21 - STUDIES TOWARDS THE MECHANISM OF ANTIMALARIAL ACTION OF CRYPTOLEPINE C-11 DIAMINO DERIVATIVES

João Lavrado, iMed.UL, Fac. Farmácia, Univ. Lisboa, Portugal

10.30 h

Coffee Break - Exhibition

SESSION 7 – Chairperson: Ana Maria Campos

11.00 h

IL 4 - THE INTEGRATION OF *IN SILICO* AND ISOTHERMAL TITRATION CALORIMETRY METHODS FOR TRYPANOCIDAL AGENTS DISCOVERY

Carlos Montanari, NEQUIMED-PN, Univ. São Paulo, Brazil

11.30 h

OC 22 - COMPUTATIONAL SCREENING OVER THE YEAST bc₁ COMPLEX

Daniel Santos, iMed.UL, Fac. Farmácia, Univ. Lisboa, Portugal

11.45 h

OC 23 - PRIMACENES: ON THE WAY TO NOVEL ORGANOMETALLIC ANTIMALARIALS

Paula Gomes, CIQUP, Dep. Química e Bioquímica, Fac. Ciências e Tecnologia, Univ. Porto, Portugal

12.00 h

OC 24 - ALKANOYL AND AROYL DERIVATIVES OF A CUCURBITANE-TYPE TITERPENOID FROM MOMORDICA BALSAMINA WITH STRONG ANTIMALARIAL ACTIVITY

Cátia Ramalheite, iMed.UL, Fac. Farmácia, Univ. Lisboa, Portugal

12.15 h

IL 5 - SUBSTITUTED PURINES AS NEW ANTITUBERCULAR COMPOUNDS

M. Alice Carvalho, Dep. Química, Univ. Minho, Braga, Portugal

12.45 h

Lunch

13.30 h

Poster Session 2 - - P61 to P119

SESSION 8 – Chairperson: Patrício Soares da Silva

14.30 h

IL 6 - DEVELOPMENT OF CHEMICAL PROBES FOR THE STUDY OF G PROTEIN-COUPLED RECEPTORS
Mar Martín-Fontecha, Dep. Química Orgânica, Univ. Complutense de Madrid, Spain

15.00 h

OC 25 - SYNTHESIS OF NOVEL CHROMENE-BASED SCAFFOLDS FOR ADENOSINE RECEPTORS
Marta Costa, Dep. Química, Univ. Minho, Braga, Portugal

15.15 h

OC 26 - ROLE OF ENDOTHELIAL CELLS ON SURVIVAL OF MATURE NEURONS. IMPLICATIONS FOR THE ETIOPATHOGENESIS OF ALZHEIMER'S DISEASE
Ana Plácido, CNC e Fac. Medicina, Univ. Coimbra, Portugal

15.30 h

OC 27 - VINYL SULFONES AS CASPASE-3 INHIBITORS. A STRUCTURE-ACTIVITY STUDY
Maria M. Santos, iMed.UL, Fac. Farmácia, Univ. Lisboa, Portugal

15.45 h

PL 5 - Bial Lecture

NEW MOLECULAR TARGETS FOR DRUG DISCOVERY IN CNS: LINKING THE TARGET TO THE DISEASE(S)
Heinz Beck, Dep. Epileptology, Univ. Bonn Medical Center, Bonn, Germany

16.30 h

Closing Ceremony