

4 - 6 of September 2013
Pharmacy Faculty of the Lisbon University



1º Simpósio
Luso-Brasileiro de
Química Orgânica

	4 September	5 September	6 September
9:00-9:40	Opening Ceremony (9:30 - 9:50)	PL2 Darren Dixon (U. Oxford)	PL5 Karl Gademann (U. Basel)
9:40-10:00		SLB-IOC3 Amélia Pilar (FC-UL)	SLB-IOC6 Maria J. U. Ferreira (FF-UL)
10:00-10:15	PL1 C.-J. Li (McGill Uni.) 9:50-10:30	OC3 M. Manuel Marques (FCT-UNL)	IOC11 Ana Costa (U. Algarve)
10:15-10:30		IOC8 Rui Pinto (FF-UC)	IOC12 Lázló E. Kiss (Bial)
10:30-11:00	Coffee break And poster session 1	Coffee break And poster session 2	Coffee break And poster session 2
11:00-11:40	SLB-PL1 Carlos Correia (UNICAM)	PL3 Jeffrey W. Bode (ETH Zurich)	SLB-PL4 Rui Moreira (FF-UL)
11:40-12:00	SLB-IOC1 Teresa Melo (FCT-UC)	SLB-IOC4 Nuno Maulide (MPI)	SLB-IOC7 Paula Gomes (FC-UP)
12:00-12:15	IOC1 Paula Branco (FCT-UNL)	IOC9 M. Rita Ventura (ITQB-UNL)	OC5 José Soares (FF-UP)
12:15-12:30	IOC2 Mariette M. Pereira (FCT-UC)	IOC10 Ricardo Mendonça (Hovione)	IOC13 A. Antunes (IST-UTL)
12:30-14:00	Lunch	Lunch	Lunch
14:00-14:40	SLB-PL2 Antonio Luiz Braga (UFC)	PL4 Benjamin List (MPI)	PL6 Dean Toste (Uni. California)
14:40-15:00	SLB-IOC2 M. M. M. Raposo (U. Minho)	SLB-IOC5 Antonio C. B. Burtoloso (USP)	SLB-IOC8 Pierre M. Esteves (UFRJ)
15:00-15:15	IOC3 M. C. Barreto (U. Azores)	OC4 João Tomé (U. Aveiro)	IOC14 Anthony Burke (U. Évora)
15:20-15:30	FCA1 A. Fernandes (FC-UP)	FCA9 L. Klein-Junior (FF-UFRGS)	FCA13 A. Phillips (FCT-UNL)
15:30-15:40	FCA2 N. Lourenço (IST-UTL)	FCA10 L. Lourenço (U. Aveiro)	FCA14 C. Kanta (MPI)
15:40-15:50	FCA3 T. Dias (U. Minho)	FCA11 P. Cal (FF-UL)	FCA15 N. Pereira (FCT-UC)
15:50-16:00	FCA4 S. Lucas (FF-UL)	FCA12 J. Nunes (UCL-UK)	FCA16 N. Candeias (TUT-FI)
16:00-16:30	Coffee break And poster session 1	Coffee break	Closing Ceremony <i>Organic Chemistry A world of opportunities within the CPLP community</i>
16:30-16:45	IOC4 Diana Pinto (U. Aveiro)		
16:45-17:00	IOC5 Paulo Coelho (UTAD)		
17:00-17:15	IOC6 João P. Telo (IST-UTL)	Portuguese Young Organic Chemistry Award and SLB-PL3 José Cavaleiro Univ. Aveiro	
17:15-17:30	OC1 M. João Queiroz (U. Minho)		
17:30-17:45	IOC7 Dália Barbosa (Atral-Cipan)	Venue at Laboratorio Chimico	
17:45-18:00	OC2 Ana C. Fernandes (IST-UTL)		
18:00-18:30	SPQ - Organic Chemistry Division Meeting		
	Reception	Conference Dinner Museu da Cerveja	

Wednesday, September 4, 2013

Session 1 | Chairman: Rui Moreira, Carlos Correia | Room A

9.30-9.50 **Opening Ceremony**

9.50-10.30 **PL1 | Chao-Jun Li** (McGill University, Canada)
Exploration of New Chemical Reactivities for Synthetic Efficiency

10.30-11.00 **Coffee break and poster session 1**

Session 2 | Chairman: António Luiz Braga, Ana M. Lobo | Room A

11.00-11.40 **SLB-PL1 | Carlos Roque Duarte Correia** (University of Campinas, Brazil)
Enantioselective Heck Reactions with Aryldiazonium Salts. Challenges and Synthetic Opportunities

11.40-12.00 **SLB-IOC1 | Teresa M. V. D. Pinho e Melo** (FCT, University of Coimbra, Portugal)
Heterocycles via Pericyclic Reactions of Aza- and Diazafulvenium Methides

12.00-12.15 **IOC1 | Paula S. Branco** (FCT, New University of Lisbon, Portugal)
A Recyclable Ferrite-Pd Magnetic Nanocatalyst for the Buschwald-Hartwig reaction

12.15-12.30 **IOC2 | Mariette M. Pereira** (University of Coimbra, Portugal)
Developments in Enantioselective Immobilized BINOL-based Tandem Reactions

12.30-14.00 **Lunch**

Session 3 | Chairman: M. Fernanda Proença, Paulo Coelho | Room A

14.00-14.40 **SLB-PL2 | Antonio Luiz Braga** (Federal University of Santa Catarina, Brazil)
Synthesis of [Se,N]-Small Molecules: Chiral Ligands and Potentially Bioactive Compounds

14.40-15.00 **SLB-IOC2 | M. Manuela M. Raposo** (University of Minho, Portugal)
2,4,5-Tri(hetero)arylimidazoles: Design, Synthesis and Characterization as Novel TPA Chromophores and Optical Chemosensors

15.00-15.15 **IOC3 | Maria do Carmo Barreto** (University of Azores, Portugal)
Biological activities of oxygen and nitrogen heterocyclic compounds

Session 4 | Chairman: Teresa Melo, M. M. Raposo (Room A) | Mariette M. Pereira, M. João Queiroz (Room B)

15.20-15.30

Room A

FCA1 | A. Fernandes (FC, University of Porto, Portugal)
Chemical structure and stability of microencapsulated anthocyanins

Room B

FCB5 | C. Dias (FC, University of Lisbon, Portugal)
New antimicrobial structures with anti-ageing potential: an efficient synthesis towards 2-deoxy glycosides and their thio analogues

15.30-15.40

FCA2 | Nuno M. T. Lourenço (Instituto Superior Técnico, Portugal)
Enzymatic Resolution of Secondary Alcohols in Miniemulsion Media

FCB6 | Eduarda M. P. Silva (University of Aveiro, Portugal)
Synthesis of N-substituted 1,2-dihydropyridines by 6π -electrocyclisation of (E,E)-cinnamylidene acetophenones

15.40-15.50

FCA3 | Tatiana A. Dias (University of Minho, Portugal)
The acid-catalysed reaction of 2-hydroxychalcones with carbon acids

FCB7 | Hélio Faustino (University of Santiago de Compostela, Spain)
Gold (I) catalyzed intermolecular cycloadditions of allenamides: a simple route to small and medium sized carbocycles

15.50-16.00

FCA4 | Susana D. Lucas (FF, University of Lisbon)
Hit-to-Lead Optimization of kojic Acid Derivatives toward COPD Drug Discovery

FCB8 | Supaporn Niyomchon (Max-Planck-Institut für Kohlenforschung, Germany)
Regio- and Enantioselective Cyclobutene Allylations

16.00-16.30 **Coffee break and poster session 1**

Session 5 | Chairman: Vitor Freitas, Paula Branco | Room A

- 16.30-16.45 IOC4 | Diana C. G. A. Pinto** (University of Aveiro, Portugal)
New syntheses of potential biologically active xanthenes and benzoxanthenes
- 16.45-17.00 IOC5 | Paulo J. Coelho** (University of Trás-os-Montes e Alto Douro, Portugal)
Synthesis of 1-vinylidene-naphthofurans: A thermally reversible photochromic system that colours only when adsorbed on silica gel
- 17.00-17.15 IOC6 | João P. Telo** (Instituto Superior Técnico, Portugal)
Electronic Communication in Linear Oligo(azobenzene) Radical Anions
- 17.15-17.30 OC1 | Maria João R. P. Queiroz** (University of Minho, Portugal)
New strategies for the synthesis of 2-(hetero)arylthieno[2,3-b] or [3,2-b]pyridine scaffolds from 2,3-dihalopyridines
- 17.30-17.45 IOC7 | Dália Barbosa** (AtralCipan, Portugal)
Isolation and Identification of Impurities in Tetracycline Derivatives
- 17.45-18.00 OC2 | Ana C. Fernandes** (Instituto Superior Técnico, Portugal)
Synthesis, Characterization and Cytotoxic Activity of Cyclopentadienyl Ruthenium(II) Complexes with Carbohydrate Derived Ligands
- 18.00-18.30 SPQ Organic Chemistry Division Meeting**

Thursday, September 5, 2013

Session 6 | Chairman: José Cavaleiro, João Tomé | Room A

- 9.00-9.40 PL2 | Darren J. Dixon** (University of Oxford, UK)
Enantioselective Cooperative Catalysis and Complexity Building Reaction Cascades in Library and Natural Product Synthesis
- 9.40-10.00 SLB-IOC3 | Amélia P. Rauter** (FC, University of Lisbon, Portugal)
Sugar-based surfactants as selective antimicrobial agents: a multidisciplinary approach
- 10.00-10.15 OC3 | M. Manuel B. Marques** (FCT, New University of Lisbon, Portugal)
Pd-catalysed amination on a soluble polymer support: a sustainable version of homogeneous C-N cross-coupling reaction
- 10.15-10.30 IOC8 | Rui M. A. Pinto** (FCT, University of Coimbra, Portugal)
New Chemical Processes with Bismuth(III) Salts: Applications of Bismuth(III) Reagents and Catalysts to Steroid and Terpenoid Chemistry
- 10.30-11.00 Coffee break and poster session 2**

Session 7 | Chairman: Antonio C. B. Burtoloso, Amélia Pilar | Room A

- 11.00-11.40 PL3 | Jeffrey W. Bode** (ETH-Zürich, Switzerland)
Chemical Protein Synthesis with the KAHA Ligation
- 11.40-12.00 SLB-IOC4 | Nuno Maulide** (Max-Planck-Institut für Kohlenforschung, Germany)
Sulfur reloaded: New S(IV)-mediated transformations
- 12.00-12.15 IOC9 | M. Rita Ventura** (ITQB, New University of Lisbon, Portugal)
Study and Modulation of Inter-species Quorum Sensing by AI-2 Analogues
- 12.15-12.30 IOC10 | Ricardo Mendonça** (Hovione FarmaCiencia SA, Portugal)
Development of a practical and efficient synthesis of an Active Pharmaceutical Ingredient

12.30-14.00 Lunch

Session 8 | Chairman: André L. Meleiro Porto, Nuno Maulide | Room A

- 14.00-14.40 PL4 | Benjamin List** (Max-Planck-Institut für Kohlenforschung, Germany)
Asymmetric Counteranion Directed Catalysis (ACDC): A General Approach to Enantioselective Synthesis
- 14.40-15.00 SLB-IOC5 | Antonio C. B. Burtoloso** (University of São Paulo, Brazil)
 α,β -Unsaturated Diazoketones as Useful Platforms in the Synthesis of Pyrrolidine, Piperidine and Indolizidine Alkaloids
- 15.00-15.15 OC4 | João P. C. Tomé** (University of Aveiro, Portugal)
Photoactive molecules by design

Session 9 | Chairman: M. Rita Ventura, João P. Telo (Room A) | M. Manuel Marques, Ricardo Mendonça (Room B)

15.20-15.30

Room A

FCA9 | Luiz C. Klein-Júnior (FF, Federal University of Rio Grande do Sul, Brazil)
Two new monoterpene indole alkaloids from *Psychotria umbellata* Vell.

Room B

FCB13 | Ana M. F. Phillips (FCT, New University of Lisbon, Portugal)
Organocatalytic Asymmetric Synthesis of Cyclopropylphosphonates

15.30-15.40

FCA10 | Leandro M. O. Lourenço (University of Aveiro, Portugal)
Synthesis, photophysical and photodynamic activities of amphiphilic phthalocyanine-cyclodextrin conjugates

FCB14 | Chandra Kanta De (Max-Planck-Institut für Kohlenforschung, Germany)
Catalytic Asymmetric Benzidine Rearrangement

15.40-15.50

FCA11 | Pedro M. S. D. Cal (FF, University of Lisbon, Portugal)
Iminoboronates: A New Strategy for Reversible Protein Modification

FCB15 | Nelson A. M. Pereira (University of Coimbra, Portugal)
Novel Synthesis of dipyrrromethanes via hetero-Diels-Alder reaction of azo- and nitrosoalkenes with pyrrole

15.50-16.00

FCA12 | João P. M. Nunes (Department of Chemistry, University College London, UK)
New 2-amino-4-functionalized Cyclopentenones from 2-furaldehyde via a One-pot Method

FCB16 | Nuno R. Candeias (Tampere University of Technology, Finland)
Dirhodium(II) Complexes Derived from Natural Amino Acids as Catalysts in Aqueous Asymmetric Intramolecular C-H insertion of α -Diazo Acetamides

16.00-16.30 Coffee break

Session 10 | Chairman: Artur Silva | Laboratorio Chimico

17.00-19.00 Portuguese Young Organic Chemistry Award

and

SLB-PL3 | José A. S. Cavaleiro (University of Aveiro, Portugal)
Porphyrins and Related Macrocycles: Synthetic Studies and Potential Applications

Friday, September 6, 2013

Session 11 | Chairman: António Rocha Gonsalves, Anthony Burke | Room A

- 9.00-9.40 PL5 | Karl Gademann** (University of Basel, Switzerland)
Addressing the Real Brain Drain: Nerve Regeneration by Synthetic Natural Product
- 9.40-10.00 SLB-IOC6 | Maria J. U. Ferreira** (FF, University of Lisbon, Portugal)
Dual-acting Antimalarial Triterpenoids from an African Medicinal Plant
- 10.00-10.15 IOC11 | Ana M. Rosa da Costa** (University of Algarve, Portugal)
Artificial and natural polymers: from synthesis and chemical modification to biomedical applications
- 10.15-10.30 IOC12 | László E. Kiss** (BIAL, Portugal)
Synthesis and pharmacological evaluation of novel COMT inhibitors

10.30-11.00 Coffee break and poster session 2

Session 12 | Chairman: Pierre Mothé Esteves, Ana Costa | Room A

- 11.00-11.40 SLB-PL4 | Rui Moreira** (FF, University of Lisbon, Portugal)
New Chemical Tools to Study the Biology of Malaria
- 11.40-12.00 SLB-IOC7 | Paula Gomes** (FC, University of Porto, Portugal)
Straightforward organic chemistry against an intricate infectious disease: new chloroquine and quinacrine analogues as dual-stage antimalarial leads
- 12.00-12.15 OC5 | José Soares** (FF, University of Porto, Portugal)
Multidimensional optimization of pyranoxanthenes with potential antitumor activity
- 12.15-12.30 IOC13 | Alexandra M. M. Antunes** (Instituto Superior Técnico, Portugal)
Bioactivation of the anti-HIV drug abacavir to an electrophilic aldehyde: in vitro and in vivo approaches

12.30-14.00 Lunch

Session 13 | Chairman: M. J. U. Ferreira, Paula Gomes | Room A

- 14.00-14.40 PL6 | F. Dean Toste** (University of California, USA)
Enantioselective Catalysis With Cations and Anions
- 14.40-15.00 SLB-IOC8 | Pierre Mothé Esteves** (Federal University of Rio de Janeiro, Brazil)
A Brief Saga into the Electrophilic Aromatic Substitution Mechanisms
- 15.00-15.15 IOC14 | Anthony J. Burke** (University of Évora, Portugal)
Ten Years of Catalytic "Asymmetric" Activity at CQE-UE: The First Decade
- 15.15-15.30 PhD-Award-OC6**
- 15.30-15.40 Awards**
- 15.40-16.00 *Closing Ceremony***
- 16.00-17.30 Organic Chemistry A world of opportunities within the CPLP community**