



17th BMOS

BRAZILIAN MEETING ON ORGANIC SYNTHESIS

21-24/10/2018 | Gran Hotel Stella Maris Resort | Salvador, Bahia, Brazil

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Gran Hotel Stella Maris Resort

Salvador, Bahia, Brazil

17th Brazilian Meeting Organic Synthesis

Programme

Sunday, 21th October 2018

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| 15:00-18:00 | Conference Registration |
| 18:00-19:00 | Dinner |
| 19:00-19:30 | Opening Ceremony |
| 19:30-20:30 | Opening Conference - Prof. Erick Carreira (ETH - Zurich, Switzerland) Recent Developments in Strategies and Tactics Towards Complex Molecules |
| 21:00-22:00 | Welcome Cocktail |

Monday, 22th October 2018

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| 09:00-09:05 | Meeting Welcome |
| 09:05-10:05 | Invited Speaker - Ronaldo Aloise Pilli (Unicamp, Brazil) Synthesis and Structural Elucidation of Natural Dihydropyranones |
| 10:05-10:35 | Invited Lecture - Alcindo Aparecido dos Santos (USP, Brazil) Selenium and Tellurium Giving Light to Analytes |
| 10:35-11:20 | Invited Lecture - Gonçalo Bernardes (Cambridge University, UK) Chemical Physiology of Antibody Conjugates and Natural Products |
| 11:20-12:05 | Invited Lecture - Till Opatz (University Mainz, Germany) A Passion for Nitrogen – Amine Functionalization, Sustainable Chemistry, and Bioactive Natural Products |
| 12:05-14:00 | Lunch |
| 14:00-15:00 | Invited Speaker - Jean-Pierre Vors (Bayer, France) Tetrazolyloximes: New Standard in Oomycetes Control |
| 15:00-15:30 | Invited Lecture - Márcio Contrucci S. de Mattos (UFRJ, Brazil) New Insights into Trihaloisocyanuric Acids Chemistry |
| 15:45-16:25 | Flash Presentations Session 1 |
| 15:45-15:55 | Gonzalo Carrau (UR, Uruguay) - Chemoenzymatic Approach to Hygromycin A Synthesis |
| 15:55-16:05 | Jaqueline Carneiro (UFPR, Brazil) - Synthesis of New Porphyrins Containing <i>meso</i> -Epoxyethylaryl Cationic Groups |
| 16:05-16:15 | Iva Souza (UFBA, Brazil) - Synthesis of Indolizidinones Through Reaction of Cyclic Enaminone with Coumarin-3-Carboxylic Acid Derivatives |
| 16:15-16:25 | Rebecca Charlton (Durham, UK) - Identifying and Utilizing New Antileishmanial Drug Targets |
| 16:25-16:45 | Coffee Break |
| 16:45-17:45 | Invited Speaker - Paolo Melchiorre (Institute of Catalonia, Spain) - Enhancing the Potential of Organocatalysis with Light |
| 17:45-18:00 | BMOS Prize |
| 18:00-19:30 | Dinner |
| 19:30-21:30 | Poster Session 1 |

Tuesday, 23th October 2018

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| 09:00-09:05 | Meeting Welcome |
| 09:05-09:35 | Invited Lecture - Fernanda Andréia Rosa (UEM, Brazil) β -Enamino Diketone: a Powerful Precursor for the Synthesis of Polyfunctionalized Aza-Heterocycles |
| 09:35-10:05 | Invited Lecture - Luiz Cláudio A. Barbosa (UFMG, Brazil) Synthesis and Bioactivities of Small Butenolides |
| 10:05-10:25 | Young Investigator Distinction – Prize Ceremony |
| 10:25-10:40 | Andrew L. Lawrence (University of Edinburgh, UK) Biomimetic Natural Product Synthesis |
| 10:40-10:55 | Diogo S. Lüdtkke (UFRGS, Brazil) Stereoselective Carbon-Carbon Bond Formation Using Organozinc Reagents |
| 10:55-11:10 | Giovanni W. Amarante (UFJF, Brazil) Recent Approaches for Construction of C-C and C-X (N, O and S) Bonds: Azlactone Synthetic Challenges and Methylsulfenylation of Electrophilic Carbons |
| 11:10-11:25 | Stephen P. Thomas (University of Edinburgh, UK) Simplifying Earth-Abundant Metal Catalysis |
| 11:25-12:25 | Key Note Speech Jonathan Clayden (Bristol University, UK) Exploiting Molecular Conformation |
| 12:25-15:00 | BMOS Barbecue |
| 15:00- | Free Afternoon |

Wednesday, 24th October 2018

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| 09:00-09:05 | Meeting Welcome |
| 09:05-10:05 | Invited Speaker - Antônio C. B. Burtoloso (USP - São Carlos, Brazil) Alpha Carbonyl Functionalization from Sulfur Ylides and Diazo Compounds |
| 10:05-10:45 | Flash Presentations Session 2 |
| 10:05-10:15 | Jorge Luiz de O. Domingos (UERJ, Brazil) - Studies Towards the Enantioselective Synthesis of 3-Hydroxyisoflavanones and Derivatives with Potential Estrogenic Action |
| 10:15-10:25 | Vitor Alcântara Fernandes da Silva (UFSCar, Brazil) - Asymmetric Synthesis of Highly Substituted Tetrahydroquinolines by Merging Organocatalysis with Multicomponent Reactions |
| 10:25-10:35 | Hugo Santos (UNICAMP, Brazil) - 5-Vinyl-1,2,4-Oxadiazoles as a New Acrylate Mimic: a Novel Morita-Baylis-Hillman Reaction with Isatins |
| 10:35-10:45 | Renan Zorzatto (Strathclyde, UK) - Novel Iridium(III) Complexes Bearing Chelating NHC-Phosphine Ligands as Catalysts for C-H Functionalisation Processes |
| 10:45-11:45 | Invited Speaker - Rodrigo B. Andrade (Temple University, USA) Synthesis of Bioactive Indole Alkaloids |
| 11:45-13:30 | Lunch |
| 13:30-15:30 | Poster Session 2 |
| 15:30-16:30 | Invited Speaker - Arlene Gonçalves Correa (UFSCar, Brazil) Greener Organocatalytic Synthesis of Heterocyclic Compounds |
| 16:30-16:50 | Coffee Break |
| 16:50-17:50 | Invited Speaker - Tyler McQuade (Virginia University, USA) Medicines for All: Developing Low Cost Process Routes Using New Methods and Technology |
| 17:50-18:20 | Invited Lecture - Cíntia Duarte de Freitas Milagre (UNESP, Brazil) Biocatalysis: New Opportunities and Challenges for a More Sustainable Synthesis |
| 18:20-19:20 | Closing Conference - Christofer Vanderwal (UC - Irvine, USA) Strategies for the Synthesis of Complex Bioactive Terpenoids |
| 19:20-19:40 | Closing Ceremony |