

Proceedings of

# 2<sup>ND</sup> EUROPEAN ORGANIC CHEMISTRY CONGRESS

March 02-03, 2017

Amsterdam, Netherlands

**Conference Series - America**

2360 Corporate Circle., Suite 400, Henderson, NV 89074-7722, USA

P: +702-508-5200, F: +1-650-618-1417

**Conference Series - UK**

57 Ullswater Avenue, West End, Southampton, Hampshire

United Kingdom, SO18 3QS

Toll Free: +1-800-216-6499

## Meeting Place 2

conference**series**.com 09:00-09:25

## Opening Ceremony

## Keynote Forum

- 09:25-09:30 Introduction
- 09:30-09:55 Title: Fascinating boron-nitrogen-containing heteroaromatic compounds- Electronic structure analysis  
Anna Chrostowska, Université de Pau et des Pays de l'Adour, France
- 09:55-10:20 Title: Peptidyl derivatives of diaryl 1-aminoalkylphosphonates as a new potential antibacterial and antiviral agents  
Józef Oleksyszyn, Wrocław University of Technology, Poland
- 10:20-10:45 Title: Studies in natural product synthesis: Elevenol, lodopyridone and isoquinocyclinone  
Ulrich Koert, Philipps University, Germany
- 10:45-11:10 Title: Studies on Angolan medicinal plants  
Dina Mendonça, University of Beira Interior, Portugal

## Networking and Refreshment Break 11:10-11:25 @ Perfection

Sessions: Organometallic Compounds | Bioorganic Chemistry | Carbohydrates and Phenols | Stereochemistry  
| Green and Environmental Chemistry | Natural Product Chemistry

Session Chair: Binne Zwanenburg, Radboud University Nijmegen, Netherlands

Session Co-chair: Brendan A Burkett, Technology and Research (A\*STAR), Singapore

## Session Introduction

- 11:25-11:45 Title: Concise routes to fusedazole heterocycles and their application in the synthesis of potential drug candidates  
Neelakandha S Mani, Janssen Pharma R&D, USA
- 11:45-12:05 Title: Homogeneous N-H activation of ammonia by iridium and rhodium organometallic complexes  
Miguel Ángel Casado, University of Zaragoza, Spain
- 12:05-12:25 Title: Focusing on practical aspects of synthetic carbohydrate chemistry: Opportunities for simplification and innovation  
Alfonso Iadonisi, University Federico II, Italy
- 12:25-12:45 Title: One-pot synthesis of nucleotides and conjugates  
Béatrice Roy, Université de Montpellier, France
- 12:45-13:05 Title: News organometallic methodologies towards thioglycosides  
Samir Messoudi, Université Paris-Sud, France

## Lunch Break 13:05-14:05 @ Restaurant The Gallery

- 14:05-14:25 Title: Influence of additives on the properties of ceramics from electrofusion corundum  
Zaw Ye Maw Oo, D Mendeleev University of Chemical Technology of Russia, Russia
- 14:25-14:45 Title: Allylic substitutions of secondary allylic esters: Allylic picolinates with organocopper reagents and allylic phosphates with Ar<sub>2</sub>CH anions  
Yuichi Kobayashi, Tokyo Institute of Technology, Japan
- 14:45-15:05 Title: Determination of bioactive sexual ingredients from *panicum maximum* species and efficacy of the extract  
Ochieng O Anthony, Sumait University, Tanzania

15:05-15:25 **Title: A mild Cu(I)-catalyzed oxidative aromatization of indolines to indoles**

**Mark McLaughlin**, Merck & Co., USA

15:25-15:45 **Title: Ecofriendly synthesis of carbohydrate-derived heterocycles with potential antiproliferative activity**

**Verónica Luque-Agudo**, University of Extremadura, Spain

#### Networking and Refreshment Break 15:45-16:00 @ Perfection

16:00-16:20 **Title: Nazarov cyclization mediated by a chiral sulfoxide: Lewis acid induced switch of torquoselectivity**

**Xavier J Salom-Roig**, Université de Montpellier, France

16:20-16:40 **Title: Challenges in process development of active pharmaceutical ingredients in view of green chemistry**

**Kaptan Singh**, Sun Pharma, India

16:40-17:00 **Title: Coherent-synchronized reaction of oxidation of pyridine "green oxidants" - H<sub>2</sub>O<sub>2</sub> and N<sub>2</sub>O**

**Tofik M Nagiev**, Nagiev Institute of Catalysis and Inorganic Chemistry, Azerbaijan

17:00-17:20 **Title: Characteristic of polycyclic aromatic hydrocarbons (PAHs) in urban air Jakarta**

**Miftahudin**, University of Indonesia, Indonesia

17:20-17:40 **Title: Human and ecologically-friendly organic light-emitting diode**

**Jwo-Huei Jou**, National Tsing Hua University, Taiwan

#### Panel Discussion

Day 2 March 03, 2017

### Meeting Place 2

#### Keynote Forum

09:30-09:55 **Title: 1000 wastefree solid-state syntheses from 2 mmol to industrial scale and processes with 100% yield in 26 reaction types**

**Gerd Kaupp**, University of Oldenburg, Germany

09:55-10:20 **Title: Asymmetric methallylation of ketones catalyzed by a highly active organocatalyst 3, 3'-F<sub>2</sub>-BINOL and its application in synthesis of 11-β-HSD inhibitor**

**Yongda Zhang**, Boehringer Ingelheim Pharmaceuticals, Inc., USA

10:20-10:45 **Title: Synthesis of methane-linked bis-heterocycles containing the 1, 5-disubstituted-tetrazole moiety via Ugi-azide based methodologies**

**Rocío Gámez-Montaño**, Universidad de Guanajuato, México

10:45-11:10 **Title: Explorations in the uncharted world of 1, 4, 2-oxathiazole chemistry**

**Brendan A Burkett**, Technology and Research (A\*STAR), Singapore

#### Networking and Refreshment Break 11:10-11:25 @ Perfection

**Sessions: Elementary Concepts of Organic Chemistry | Analytical Techniques in Organic Chemistry | Carboxylic Acid and its Derivatives | Polymers and Monomers | Bio-Chemistry and Agricultural Chemistry**

**Session Chair: Béatrice Roy**, Université de Montpellier, France

**Session Co-Chair: Xavier J Salom-Roig**, Université de Montpellier, France

#### Session Introduction

11:25-11:45 **Title: Challenges and opportunities in process research: The development of Cu and Zn catalyzed asymmetric propargylations**

**Daniel R Fandrick**, Boehringer-Ingelheim Pharmaceuticals Inc., USA

11:45-12:05 **Title: Palladium tandem catalyzed 1, 5-sulfonyl migration/ suzuki-miyaura cross coupling reactions**

**Fatih Sirindil**, University of Strasbourg, France

12:05-12:25 **Title: Comprehensive transformation of alcohols catalyzed by N-halo organic compounds under green reaction conditions**

**Njomza Ajvazi**, International Postgraduate School Stefan, Slovenia

12:25-12:45 **Title: Chiral octahedral complexes as catalysts for enantioselective organic synthesis**  
Anil Kumar, Shri Mata Vaishno Devi University, India

12:45-13:05 **Title: Catalysis with high density molecular monolayers for organic transformation**  
Kenji Hara, Tokyo University of Technology, Japan

Lunch Break 13:05-14:05 @ Restaurant The Gallery

Poster Presentations 14:05-15:00 @ Perfection

Poster Judge: Neelakandha S Mani, Janssen Pharma R&D, USA

EOC-01 **Title: Improved AdoMet analogs serve as nucleic acids labels**  
Milda Nainyte, Vilnius University, Lithuania

EOC-02 **Title: Multivalent recognition of GlcNAc derivatives- WGA interaction by SPR and fluorospectroscopic methods**  
Amrita Kumari, Saitama University, Japan

EOC-03 **Title: Synthesis of aminocyclopetitol analogues via CSI-mediated stereoselective amination**  
Han Pyo Son, Sungkyunkwan University, South Korea

EOC-04 **Title: *Syzygium samarangense* as a great successor to acid-base indicator in 21<sup>st</sup> century**  
Soh Ann Ching, Pusat Tingkatan 6 SMK Johor Jaya 1, Malaysia

EOC-05 **Title: Highly active hierarchical porous nanocrystalline ZSM-5 catalyst for the environmentally friendly synthesis of acetoveratrone**  
Suzan A Khayyat, King Abdulaziz University, KSA

EOC-06 **Title: Synthesis and biological evaluation of hybrid acridine-HSP90 ligand conjugates as telomerase inhibitors**  
Rima Dakheelallah H Alharthy, King Abdulaziz University, KSA

15:00-15:20 **Title: Recent development in the synthesis and synthetic applications of functionalized allylic compounds**  
Farhat Rezgui, University of Tunis El Manar, Tunisia

15:20-15:40 **Title: Strigolactones, new plant hormones with a rich future true challenges for organic chemists**  
Binne Zwanenburg, Radboud University Nijmegen, Netherlands

15:40-16:00 **Title: Addition of pyrazoles to crotonaldehyde in the presence of water**  
Hasmik Khachatryan, Institute of Organic Chemistry, Scientific Technological Center Organic and Pharmaceutical Chemistry NAS RA, Armenia

Networking and Refreshment Break 16:00-16:15 @ Perfection

16:15-16:35 **Title: (E)-and (Z)-Stereodefined parallel syntheses of multi-substituted  $\alpha$ ,  $\beta$ -unsaturated esters: Application to short step syntheses of both (E)-and (Z)-Zimelidines and Tamoxifens**  
Hidefumi Nakatsuji, Kwasei Gakuen University, Japan

16:35-16:55 **Title: Synthesis of polysubstituted nicotines and azafluorenones**  
Haruyasu Asahara, Kochi University of Technology, Japan

16:55-17:15 **Title: *Allium cepa*.L as acid-base indicator**  
Koo Thai Hau, Form 6 Centre of SMK Taman Johor Jaya 1, Malaysia

17:15-17:35 **Title: Determination of relationship between pH and acid loading in gas treatment plant (amine unit)**

Hogr O Pirdawood, Gas Treatment Plant (GTP) Laboratory and Water Treatment Unit (RO System), Iraq

Panel Discussion

Award & Closing Ceremony