

# *Scientific Program*

## 3<sup>RD</sup> WORLD CHEMISTRY CONFERENCE

## & World Congress on BIOTHERAPEUTICS & BIOANALYTICAL TECHNIQUES

September 11-12, 2017    Dallas, USA



**Conference Series LLC Ltd**

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Dallas

conference series LLC Ltd 09:15-09:25

# Opening Ceremony

## Keynote Forum

09:25-09:30	<b>Introduction</b>
09:30-10:00	<b>Title: Conformational plasticity of the GPCR activating parathyroid hormone</b> Jochen Balbach, Martin-Luther-University Halle-Wittenberg, Germany
10:00-10:30	<b>Title: Arsenic in the wiśniówka acid mine drainage area (Poland): Combining hydro geochemistry with mineral microanalysis</b> Zdzisław M Migaszewski, Jan Kochanowski University, Poland
10:30-11:00	<b>Title: Fit-for-purpose immunogenicity assessment for therapeutic antibodies in non-clinical studies</b> Jianyong Wang, Genentech, USA

## Panel Discussion

Networking Break 11:00-11:20 @ Atrium

## Group Photo

### Sessions:

Medicinal Chemistry | Clinical Chemistry | Forensic Chemistry | Natural Chemistry | Electrochemistry | Geochemistry | Oncolytic Virotherapy | Immunopharmacotherapy | Analytical Biotherapeutics

Session Chair: Zdzisław M Migaszewski, Jan Kochanowski University, Poland

Session Co-chair: Jochen Balbach, Martin-Luther-University Halle-Wittenberg, Germany

## Session Introduction

11:20-11:45	<b>Title: Higher order derivative voltammetry for reversible and irreversible electrode processes under spherical diffusion</b> Iason Rusodimos, Georgia State University, USA
11:45-12:10	<b>Title: Accumulation of rare earth elements in plants native to the acid mine drainage area (Poland) and its potential application</b> Agnieszka Gałuszka, Jan Kochanowski University, Poland
12:10-12:35	<b>Title: Inconsistencies in theoretical analysis of Archimedes principle</b> Ajay Sharma, Fundamental Physics Society, India
12:35-13:00	<b>Title: Production of oil and wax blends from fast pyrolysis of plastic wastes using a fluidized bed reactor</b> Hanseul Kim, University of Science and Technology, Korea

## Panel Discussion

Lunch Break 13:00-13:50 @ Atrium

13:50-14:15	<b>Title: Interface-Controlled resistive switching behavior of molybdenum oxide semiconductor</b> Chih-Chieh Hsu, National Yunlin University of Science and Technology, Taiwan
14:15-14:40	<b>Title: Synthesis of tin oxide thin films by using a sol-gel process with non-toxic solvents and its application to memristors</b> Po-Yang Chuang, National Yunlin University of Science and Technology, Taiwan
14:40-15:05	<b>Title: Reversible encapsulation of silver nanoparticles into the helix of amylose (water soluble starch)</b> Elham Shafik Aazam, King Abdulaziz University, KSA
15:05-15:30	<b>Title: Alkaline hydrothermal treatment of the waste produced in the semi-dry flue gas desulfurization system</b> Lucas C Grosche, IPEN - Nuclear and Energy Research Institute, Brazil

15:30-15:55 **Title: Combining immunoassay and LC/MS to characterize stability of antibody therapeutics *In Vivo***  
**Jianyong Wang**, Genentech, USA

**Panel Discussion**

**Networking Break 15:55-16:15 @ Atrium**

16:15-16:40 **Title: Fungal-mediated structural transformation of contraceptive drugs, drospirenone and etonogestrel into new metabolites**

**Elias Baydoun**, American University of Beirut, Lebanon

16:40-17:05 **Title: Small molecules approach for conversion into the neuronal lineage**

**Roya Rafiee**, University of Florida, USA

17:05-17:30 **Title: The improved antifibrotic effect of combination between Interferon and *Sonchus oleraceus* extract on thioacetamide-induced liver fibrosis in male rats**

**Montasser Altorgoman**, Alexandria University, Egypt

17:30-17:55 **Title: Theory in service of nanochemistry induced by electron impact**

**Petr Čásky**, J. Heyrovský Institute of Physical Chemistry, Czech Republic

**Panel Discussion**

**Day 2 September 12, 2017**

**Dallas**

**Keynote Forum**

09:25-09:30 **Introduction**

09:30-10:00 **Title: The influence of chirality on polymers: From optical switches to vapor sensing**

**Bruce M Novak**, The University of Texas, USA

10:00-10:30 **Title: Molecular self-assembly of tissue engineering matrices**

**Laura J Suggs**, The University of Texas, USA

10:30-11:00 **Title: Biomanufacturing of biorhizome-based colchicine**

**Ganapathy Sivakumar**, University of Houston, USA

**Networking Break 11:00-11:20 @ Atrium**

**Sessions:**

**Polymer Chemistry | Quantum Chemistry | Innovative Therapies for Serious Diseases | Chromatographic Techniques | Cancer Biotherapeutics | Advancements in Biotherapeutics**

**Session Chair: Bruce Novak**, The University of Texas, USA

**Session Co-chair: John George Hardy**, Lancaster University, UK

**Session Introduction**

11:20-11:45 **Title: Donor-acceptor polymers for organic photovoltaics**

**Mihaela C Stefan**, The University of Texas, USA

11:45-12:10 **Title: Stimuli-responsive biomaterials for drug delivery and tissue engineering**

**John George Hardy**, Lancaster University, UK

12:10-12:35 **Title: Observation of droplet dissolution in aqueous media using a hydrodynamic trap**

**Melikhan Tanyeri**, University of Chicago, USA

12:35-13:00 **Title: Neodymium-based catalysts  $\text{NdCl}_3 \cdot 3\text{L}$  (L = triethyl phosphate (TEP) or tris(2-ethylhexyl) phosphate (TEHP) for ring opening polymerization of  $\epsilon$ -Caprolactone**

**Yixin Ren**, The University of Texas, USA

13:00-13:25 **Title: Treatment of the emerging pollutant 17 $\alpha$ -ethinylestradiol using sodium persulfate activated by Fe-modified diatomite**

**Celyna K Rackov**, El Centro College, USA

**Panel Discussion**



**Lunch Break 13:25-14:15 @ Atrium**

- 14:15-14:40** Title: Maternal serum cytokines and pregnancy specific beta-1 glycoprotein in normal pregnancies and those complicated by eclampsia in Kaduna state  
**Banda J M**, Kaduna State University, Nigeria
- 14:40-15:05** Title: Isolation and characterization of phytoconstituents and evaluation of anticancer potential of the medicinal plant *Wrightia tinctoria* (Roxb.) R. Br. from South India  
**Beena Jose**, Vimala College, India
- 15:05-15:20** Title: A novel copper-catalyzed C-C bond cleavage of aryl (Heteroaryl) alkyl ketones for C-N bond formation  
**Maryam Sadat Hosseini Zare**, Texas Southern University, USA
- 15:20-15:35** Title: Identification of genes related to the development of *Gloriosa superba* rhizome  
**John Samuel Bass**, University of Houston, USA
- 15:35-15:50** Title: Transcriptome analysis of colchicine producing plant species: *Gloriosa superba* and *Colchicum autumnale*  
**Annette Frenk Oquendo**, University of Houston, USA
- 15:50-16:05** Title: Computational fluid mechanics in biomanufacturing  
**Santhana Krishnan**, University of Houston, USA
- 16:05-16:20** Title: The comparison of soil denitrification potentials in two kinds of planted forests  
**Xuyi Cai**, University of Geosciences at Beijing, China

**Panel Discussion**

**Networking & Refreshment Break 16:20-16:40 @ Atrium**

**Poster Presentations**

**Poster Judge: Jianyong Wang**, Genentech, USA

- CBAP 001** Title: Development and application of rapid microbiology methods in manufacturing and control of biopharmaceuticals  
**Sandra Saiz**, Universitat Pompeu Fabra, Spain
- CBAP 002** Title: Development of stable lyophilized formulation for adenoviral vectors  
**Maria Lluna López**, Universitat Pompeu Fabra, Spain
- CBAP 003** Title: Synthesis and antiprotozoal activity of furanchalcone-quinoline, furanchalcone-chromone and furanchalcone-imidazole hybrids  
**Elisa García**, University of Antioquia, Colombia
- CBAP 004** Title: Neodymium based catalyst  $\text{NdCl}_3 \cdot 4\text{TEP}$  for polymerization of diene monomers  
**Yixin Ren**, The University of Texas, USA

**Panel Discussion**

**Award & Closing Ceremony**

