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Scientific Program

3RD WORLD CHEMISTRY CONFERENCE

&

World Congress on

BIOTHERAPEUTICS & BIOANALYTICAL TECHNIQUES

September 11-12, 2017 Dallas, USA



Conference Series - America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA

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08:30-09:15 Registrations

Dallas

conferenceseries.com 09:15-09:25 **Opening Ceremony**

Keynote Forum

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

09:30-10:00 **Title: Conformational plasticity of the GPCR activating parathyroid hormone**
Jochen Balbach, Martin-Luther-University Halle-Wittenberg, Germany

10:00-10:30 **Title: Arsenic in the wiśniówka acid mine drainage area (Poland): Combining hydro geochemistry with mineral microanalysis**
Zdzisław M Migaszewski, Jan Kochanowski University, Poland

10:30-11:00 **Title: Fit–for-purpose immunogenicity assessment for theraputic antibodies in non-clinical studies**
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 **Title: Higher order derivative voltammetry for reversible and irreversible electrode processes under spherical diffusion**
Iason Rusodimos, Georgia State University, USA

11:45-12:10 **Title: Accumulation of rare earth elements in plants native to the acid mine drainage area (Poland) and its potential application**
Agnieszka Gałuszka, Jan Kochanowski University, Poland

12:10-12:35 **Title: Inconsistencies in theoretical analysis of Archimedes principle**
Ajay Sharma, Fundamental Physics Society, India

12:35-13:00 **Title: Production of oil and wax blends from fast pyrolysis of plastic wastes using a fluidized bed reactor**
Hanseul Kim, University of Science and Technology, Korea

Panel Discussion

Lunch Break 13:00-13:50 @ Atrium

13:50-14:15 **Title: Interface-Controlled resistive switching behavior of molybdenum oxide semiconductor**
Chih-Chieh Hsu, National Yunlin University of Science and Technology, Taiwan

14:15-14:40 **Title: Synthesis of tin oxide thin films by using a sol-gel process with non-toxic solvents and its application to memristors**
Po-Yang Chuang, National Yunlin University of Science and Technology, Taiwan

14:40-15:05 **Title: Reversible encapsulation of silver nanoparticles into the helix of amylose (water soluble starch)**
Elham Shafik Aazam, King Abdulaziz University, KSA

15:05-15:30 **Title: Alkaline hydrothermal treatment of the waste produced in the semi-dry flue gas desulfurization system**
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 Čársky,** 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 NdCl3•3L (L = triethyl phosphate (TEP) or tris(2-ethylhexyl) phosphate (TEHP) for ring opening polymerization of ε-Caprolactone** **Yixin Ren,** The University of Texas, USA
13:00-13:25	**Title: Treatment of the emerging pollutant 17α-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 NdCl3•4TEP for polymerization of diene monomers** **Yixin Ren,** The University of Texas, USA
	Panel Discussion
	Award & Closing Ceremony

