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Tentative Program

4th European Chemistry Congress

May 11-13, 2017 Barcelona, Spain

Theme: "Exploring recent advances in chemistry, related fields and applications"



For Available Speaker Slots

eurochemistry@conferenceseries.net

Conference Secretariat

Conference Series LLC 2360 Corporate Circle, Suite 400 Henderson, NV 89074-7722, USA

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http://chemistry.conferenceseries.com/europe/

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
		09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
Evening Sessions	11.00-12.40	5 Speakers (20 Mins Each)	
	Lunch Break 12.40-13.30		
	13.30-15.30	6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	5 Speakers (20 Mins Each)	

19 Speakers for Day 1

Day 2

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25		
Evening Sessi	13.25-15.05	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)

40 Speakers on Day 2

Day 3

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	e/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25		
	13.25-15.05	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Evening Sessions	Poster Sessions		
	e/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Closing Cermony		

40 Speakers on Day 3

NOTE: Program Shedule is subject to change with final allotment of the speaker slots

For more Details PS: http://chemistry.conferenceseries.com/europe/

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Note: Workshops and Symposia slots are available. To book slot for Workshop and Symposium send us the proposal.

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Poster Competition: http://chemistry.conferenceseries.com/europe/poster-competition.php

Glimpses of Chemisty Conferences









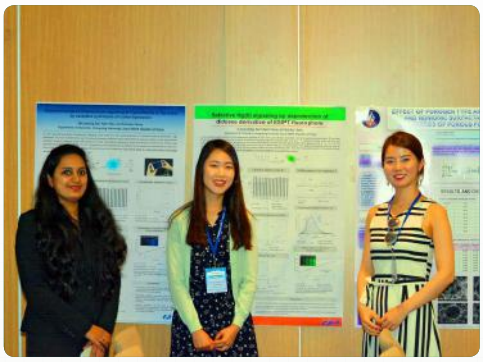





Glimpses of Chemisty Conferences

























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Columbus Monument



La Rambla



Magic Fountain of Montjuïc



Montjuïc



Palau de la Música Catalana



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Scientific Program

European Chemistry Congress

June 16-18, 2016 Rome, Italy



Hosting Organization: Conference Series LLC

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Scientific Program

Day 1 June 16, 2016

Registrations

Olimpica 1 & 2

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Opening Ceremony

Keynote Forum

Title: Biomacromolecule poly[3-(3,4-dihydroxyphenyl)glyceric acid] with potential therapeutic effect

Vakhtang V Barbakadze, Tbilisi State Medical University, Georgia

Title: Carbohydrate microarrays for study of glycan associated biological events

Injae Shin, Yonsei University, Korea

Track 1: Fundamentals of Organic Chemistry
Track 2: Inorganic Chemistry
Track 3: Analytical Chemistry

Session Introduction

Session Chair: Ionel I Mangalagiu, "Al.I.Cuza" University of Iasi, Romania

Session Co-chair: Maia Merlani, Tbilisi State Medical University, Georgia

Title: An innovative method for the extraction and quantification of curcuminoids from a complex matrix
Jarintzi Yared Rico Ruiz, Euro-Nutec Premix SA de CV, Mexico

Title: Conjugates of hyaluronic acid with tyramine - synthesis and application
Radovan Buffa, Contipro Pharma, Czech Republic

Title: Diketopyrrolopyrroles - the journey from ferrari pigments to fluorescent functional dyes
Daniel T Gryko, Polish Academy of Sciences, Poland

Coffee Break@ Foyer

Title: Non-coulombic ionic crystals with non-alternate arrangement of complex cations and inorganic anions
Takumi Konno, Osaka University, Japan

Title: Toward molecular designing on graphene-based materials for catalytic applications
Sungjin Park, Inha University, South Korea

Title: Tailor-made synthesis of multilayered trimetallocyclophanes via transannula π-π Interactions
Ok-Sang Jung, Pusan National University, Korea

Title: Supramolecular catalysis within confined environment of metal-organic architectures
Chunying Duan, Dalian University of Technology, P R China

Title: Quantification of valproic acid in human plasma using high performance liquid chromatography-photodiode array
Yahdiana Harahap, Universitas Indonesia, Indonesia

Title: Validation guidelines of hydralazine hydrochloride spectrophotometric method
Laila A Al-Shatti, The Public Authority for Applied Education and Training, Kuwait

Group Photos

Lunch Break@ Restaurant

Title: Synthesis of ultramarine pigment from the mudstone of kutingkeng formation and the improvement of its refractory properties
S L Chen, National Cheng-Kung University, Taiwan

Title: New podants with azaheterocycles skeleton as smart versatile building blocks for multiple tasks
Ionel I Mangalagiu, "Al.I.Cuza" University of Iasi, Romania

Title: Analysis of *Botulinum* Neurotoxin A (BoNT/A) in pharmaceutical products using MALDI-TOF and LC-MS/MS
Yiu-chung Wong, Hong Kong Government Laboratory, Hong Kong
Title: Synthesis of natural biologically active poly[3-(3,4-dihydroxyphenyl)-glyceric acid] analogues
Maia Merlani, Tbilisi State Medical University, Georgia
Title: Preparation and synthetic application of 1-Azoniabicyclo[n.1.0]alkanes
Hyun-Joon Ha, Hankuk University of Foreign Studies, Korea
Title: Sulfur based metal complexes for synthesis of semiconductor nanoparticles
Makwena Justice Moloto, Vaal University of Technology, South Africa
Title: Functionalization of Keggin type nickel substituted phosphotungstate by immidazole: Synthesis, characterization and catalytic activity
Anjali Patel, The M S University of Baroda, India

Coffee Break@ Foyer

Track 4: Green Chemistry: Green chemical principles
Track 5: Medical Biochemistry

Session Introduction

Session Chair: Janis Gravitis, Latvian State Institute of Wood Chemistry, Latvia
Session Co-chair: M Paula Robalo, Instituto Politécnico de Lisboa, Portugal, Portugal

Title: Protein-specific approach to osteopontin purification from *Chlamydomonas reinhardtii*
Zivko Nikolov, Texas A&M University College Station, USA
Title: Green forest and agricultural waste bio-refinery techniques and breakthrough materials
Janis Gravitis, Latvian State Institute of Wood Chemistry, Latvia
Title: Photocatalytic H2-production by homogeneous and heterogeneous advanced materials
Peter Brüggeller, University of Innsbruck, Austria
Title: New conceptual diary liodonium salts for metal-free arylation of carboxylic acids and other coupling reactions
Toshifumi Dohi, Ritsumeikan University, Japan
Title: Loss mechanism in the open circuit voltage of polymer solar cells
Zhicai He, South China University of Technology, P R China
Title: Preparation and swelling capacity of superabsorbent polymer composites based on attapulgite clay
El-Refaie Kenawy, Tanta University, Egypt
Title: Laccases: biocatalysts towards new heterocyclic cores
M Paula Robalo, Instituto Politécnico de Lisboa, Portugal
Title: Effect of Quercetin and Apigenin on LDL receptor gene (LDLR) and Hydroxy-methyl glutrate reductase gene (*Hmgcr*) in a cholesterol attenuating trial.
Marwa E Kenawy, Tanta University, Egypt

Day 2 June 17, 2016

Olimpica 1 & 2

Keynote Forum

Title: Selectivity control of Au-catalyzed oxidation of glycerol in water
Bo-Qing Xu, Tsinghua University, China

Title: Functions of nucleic acids with non-canonical structures
Naoki Sugimoto, Konan University, Japan

Title: Pyrrolo[3,2-b]pyrroles-new electron-rich functional π-electron system
Daniel T Gryko, Polish Academy of Sciences, Poland

Coffee Break @ Foyer

Poster Presentations @

ECPP001	**Title: Unnatural fluoro-oxindole alkaloids produced by *Uncaria guianensis* plantlets**
	Adriana A Lopes, Universidade de Ribeirão Preto, Brazil

ECPP002	**Title: Spectrophotometric investigation of early lanthanide(III) porphyrin complexes**
	Melitta Patrícia Kiss, University of Pannonia, Hungary
ECPP003	**Title: Photoinduced heterogenous catalysis with TiO_2 and kaolinite**
	Orsolya Fónagy, University of Pannonia, Hungary
ECPP004	**Title: Photocatalytic decomposition of a nonionic detergent**
	Hegedűs Péter, University of Pannonia, Hungary
ECPP005	**Title: Patented method-based evaluation of the toxicity of some uncoupling dinitrophenol-like compounds**
	Marius Zaharia, Alexandru Ioan Cuza University, Romania
ECPP006	**Title: Synthesis, antiproliferative activity and molecular docking of new colchicine derivatives**
	Adam Huczynski, Adam Mickiewicz University, Poland
ECPP007	**Title: Antimycobacterial activity and QSAR studies of 2*H*-chromene and coumarin based hydrazones**
	Violina T Angelova, Medical University of Sofia, Bulgaria
ECPP008	**Title: Selective and stoichiometric fatty acids sensing with a polydiacetylene liposome**
	Chang Wook Song, Pohang University of Science and Technology, Republic of Korea
ECPP009	**Title: Novel two-photon dyes: Minimal autofluorescence in tissue imaging**
	Juryang Bae, Pohang University of Science and Technology, Republic of Korea
ECPP010	**Title: Lysosomal zinc ions imaging with two-photon fluorescent probe**
	Hyeonjin Park, Pohang University of Science and Technology, Republic of Korea
ECPP011	**Title: How to enhance fluorescence and two-photon properties of typical dipolar dyes in aqueous media?**
	Hyerim Kim, Pohang University of Science and Technology, Republic of Korea
ECPP012	**Title: Ionic conductivity on cyano-bridged bimetal assemblies**
	Kosuke Nakagawa, The University of Tokyo, Japan
ECPP013	**Title: A fluorenyl-based metal-organic framework with photocatalytic property**
	Rong-Xin Yuan, Changshu Institute of Technology, P.R.China
ECPP014	**Title: Palladium nanoparticles supported on four different materials as efficient catalysts for suzuki cross-coupling reactions**
	Bilgehan Guzel, University of Cukurova, Turkey
ECPP015	**Title: Synthesis of $ScCO_2$ soluble perfluorinated chiral shiff-base ligand and its metal complexes**
	Burcu Darendeli, University of Cukurova, Turkey
ECPP016	**Title: Synthesis and enzyme inhibition study of dihydrofurocumarin and dihydrofuropyrane compunds**
	Asli Ustalar, Kocaeli University, Turkey
ECPP017	**Title: Signaling of Hg(II) ions by reaction-based probes based on depro-tection of dithiane**
	In Jung Chang, Chung-Ang University, Republic of Korea
ECPP018	**Title: Smartphone-based fluorescence signaling of hypochlorite in tap water by oxidative hydrolysis of sulfonhydrazone**
	Min Jeoung Cho, Chung-Ang University, Republic of Korea
ECPP019	**Title: Dual signaling of the water content of biofuel-relevant ethanol and butanol by pyranines**
	Yun-uk Jung, Chung-Ang University, Republic of Korea
ECPP020	**Title: Photophysical properties of boron trifluoride complexes based on 2(2',4'-dihydroxyphenyl) benzothiazole and benzimidazole**
	Sang Hun Lee, Chung-Ang University, Republic of Korea
ECPP021	**Title: Phytochemical screening and antitumor effect of ethanol extract of Egyptian wild plants**
	Thoria Diab, Tanta University, Egypt
ECPP022	**Title: Calcineurin levels and activity in breast cancer: Relation to apoptosis**
	Abeer Abdel Hamid Ahmed Khamis, Tanta University, Egypt
ECPP023	**Title: Protection and functionalization of magnetic iron oxide nanoparticles with phthalic acid for the efficient removal of reactive black 5 from aqueous solutions**
	Gehan M Nabil, Alexandria University, Egypt

ECPP024	**Title: A new polymeric membrane Fe (III) Ion-selective sensor based on Fe (III)-Morin (3, 5, 7, 2', 4'-Pentahydroxyflavone) Schiff Base**
	Tugba Ozer, Yildiz Technical University, Turkey
ECPP025	**Title: A novel iron(II) selective membrane electrode based on 2-cyanomethyl n-methyl-n-phenyl dithiocarbamate and its applications**
	Tugba Ozer, Yildiz Technical University, Turkey
ECPP026	**Title: Computer simulation of the molecules of thermotropic substituted biphenyls**
	Abulyaissova L K, Buketov State University of Karagandy, Kazakhstan
ECPP027	**Title: Comparative study of corrosion of iron in cyanide and thiourea media in hydrometallurgical processes**
	Hugo Romero, Universidad Técnica de Machala, Ecuador
ECPP028	**Title: Adsorption kinetics, isotherms and thermodynamic studies for Hg2+ adsorption from aqueous medium using alizarin red-S loaded amberlite IRA-400 resin**
	Mu Naushad, King Saud University, Saudi Arabia
ECPP029	**Title: In situ preparation of nitrogen enriched hierarchically nanoporous carbon from polybenzoxazine precursor for CO_2 capture and storage**
	Nicharat Manmuanpom, Chulalongkorn University, Bangkok
ECPP030	**Title: Direct voltammetric determination of redox-active iron in carbon nanotubes**
	Wei Zhe Teo, Nanyang Technological University, Singapore

Speaker Presentations to be continued

Track 6: Physical Chemistry
Track 9: Nuclear chemistry

Session Introduction

Session Chair: Piotr Cysewski, Nicolaus Copernicus University in Toruń, Poland

Session Co-chair: Ken Cham-Fai Leung, The Hong Kong Baptist University, Hong Kong

Title: Impacts of conformational geometries in fluorinated hydrocarbons
Tim Brandenburg, Helmholtz Zentrum Berlin, Germany
Title: Decarboxylative fluorination of carboxylic acids with heterogeneous catalysts
Giulia Tarantino, Cardiff University, UK
Title: Conceptual design of a nano-leaf for artificial photosynthesis
Jacinto Sá, Uppsala University, Sweden
Title: Fabrication and characterization of Pd-Ni porous membrane for hydrogen separation
Sun Hee Choi, Korea Institute of Science and Technology, South Korea
Title: Anti-inflammatory and wound healing activities of *Hemisgraphis alternata*
Joo Kheng Goh, Monash University Malaysia, Malaysia

Lunch Break@ Restaurant

Title: RNA self-assembly and RNA bio-nanotechnology
Luc Jaeger, University of California, USA
Title: Extraction and characterization of collagen from the white jellyfish (*Lobonema smithi Mayer.*)
Ubon Rerk-am, Thailand Institute of Scientific and Technological Research, Thailand
Title: Interfacial assembly and theranostic applications of organic-inorganic hybrid nanomaterials
Ken Cham-Fai Leung, The Hong Kong Baptist University, Hong Kong
Title: An efficient coformers selection for co-crystals screening of active pharmaceutical ingredients
Piotr Cysewski, Nicolaus Copernicus University in Toruń, Poland

Track 7: Biological Chemistry
Track 8: Environmental Chemistry
Track 10: Theoretical Chemistry

Session Introduction

Session Chair: Yanli Wang, National Center for Biotechnology Information, USA

Session Co-chair: Min Jae Lee, Seoul National University, Korea

Title: Data mining drug, chemical probe and their biological activity in PubChem
Yanli Wang, National Center for Biotechnology Information, USA
Title: NMR Molecular Replacement, NMR^2
Julien Orts, Swiss Federal Institute of Technology, Switzerland
Title: Opening the core particle gate of mammalian proteasomes to enhance their degradatory activity
Min Jae Lee, Seoul National University, Korea

Coffee Break @ Foyer

Poster Presentations @ 15:20-16:00

ECPP031	**Title: Promotion of sorghum hybrids bran grown in southern italy for PHB ecological production by Sphingomonas cynarae**
	Roberta Romano, University of Salento, Italy
ECPP032	**Title: Synthesis of NiO nanoparticles for new nanocomposite materials**
	Sevil Çetinkaya, Kirikkale University, Turkey
ECPP033	**Title: Antioxidant activity of wild garlic extract (*Allium ursinum*) obtained by subcritical water extraction**
	Alena Tomsik, University of Novi Sad, Serbia
ECPP034	**Title: Preparation of biological active steroids**
	Sevinc Ilkar Erdagi, Kocaeli University, Turkey
ECPP035	**Title: Synthesis of 4-amino-N-4-pyridin-1,8-naphthalimide, a new ligand for complexes and metalorganic frameworks**
	Ulisses Fiorin Angelo, University of São Paulo, Brazil
ECPP036	**Title: In vivo anti-wrinkle and anti-melasma activities of peptides isolated from Pigeon pea (*Cajanus cajan L. Millsp*)**
	Tuanta Sematong, Thailand Institute of Scientific and Technological Research, Thailand
ECPP037	**Title: Effect of porogen type and cationic, anionic and nonionic surfactant ratio on the properties of porous polymer supports**
	Vesile Şima Ünnü, Kirikkale University, Turkey
ECPP038	**Title: Polyaniline–Ionic liquid mixtures and their application in dye-sensitized solar cells**
	Sang Jun Lee, Kwangwoon University, Korea
ECPP039	**Title: Air annealing technique to improve photoelectric properties of pristine graphene**
	Dapeng Wei, Chinese Academy of Sciences, China
ECPP040	**Title: Development of lateral-flow immunoassay for the diagnosis of laryngopharyngeal reflux disease**
	Jiyoon Kwon, Kwangwoon University, Korea
ECPP041	**Title: Characteristics of the different S=O, S-O, N---H, O---H and Na---O bonds into the powerful laxative sodium picosulphate drug and their effects on the properties**
	Silvia Antonia Brandan, Institute of Inorganic Chemistry, Argentina
ECPP042	**Title: Multiresidue analysis of selected pharmaceutical compouds in poultry manure by gas chromatography–mass spectrometry**
	Ramón Aznar, Spanish National Institute for Agricultural and Food Research and Technology, Spain
ECPP043	**Title: Study on the micro pulsed electro-chemical machining of invar alloy according to electrolyte variables**
	Seong-Hyun Kim, Inha University, Republic of Korea
ECPP044	**Title: Antimicrobial activity of collagen/silver doped hydroxyapatite composites against gram-pozitive and gram-negative bacteria**
	A M Prodan, Carol Davila University of Medicine and Pharmacy, Romania
ECPP045	**Title: Antimicrobial activity of collagen/silver doped hydroxyapatite composites against gram-pozitive and gram-negative bacteria**
	C L Popa, National Institute of Materials Physics, Romania

ECPP046	**Title: The Nitrogen Cycle in air, soil and water**
	Reza Pashaei, University of Siena, Italy
ECPP047	**Title: Tunable magnetic property and millimeter wave absorption property of ε-Fe_2O_3 by metal substutution**
	Asuka Namai, The University of Tokyo, Japan
ECPP048	**Title: Anticonvulsant activity of newly synthesized benzoylhydrazones with 2*H*-chromene and coumarin moieties in ICR mice**
	Valentin Karabelyov, Medical University of Sofia, Bulgaria
ECPP049	**Title: Perpendicularly-oriented microdomain ordering of lamella-forming PS-*b*-PMMA thin film observed by tuning film thickness**
	Wooseop Lee, Yonsei University, Republic of Korea
ECPP050	**Title: Phase transition behavior of asymmetric polystyrene-b-poly(2-vinylpyridine) thin films under strong interfacial Interactions : A stable hexagonally modulated layer (HML) structure**
	Sungmin Park, Yonsei University, Republic of Korea
ECPP051	**Title: Interaction between the hydroxyl functionalized PS and dPS in dry brush system**
	Seongjun Jo, Yonsei University, Republic of Korea
ECPP052	**Title: Synthesis and characterization of new quaternary niobium selenites**
	Bongsu Kim, Chung-Ang University, Republic of Korea
ECPP053	**Title: Polar noncentrosymmetric $ZnMoSb_2O_7$ and nonpolar centrosymmetric $CdMoSb_4O_{10}$: d_{10} transition metal size effect influencing the stoichiometry and the centricity**
	Hongil Jo, Chung-Ang University, Korea
ECPP054	**Title: Effective removal of rare earth metals using surface-active agent**
	Dzhevaga Natalia Vladimirovna, National Mineral Resources University, Russia
ECPP055	**Title: Thermodynamic characteristics of sorption extraction of anionic complexes of erbium with trilon B on weakly basic anionite**
	Ponomareva Mariya, National Mineral Resources University, Russia
ECPP056	**Title: The interaction of 1-nitro- and 1-bromo-1-nitro-3,3,3-trifluoro(chloro)propenes with phenylazide**
	Alena Kuzhaeva, National Mineral Resources University, Russia
ECPP057	**Title: Modern glassy phosphate fertilizers**
	Kirill Karapetian, National mineral resources university, Russia

Speaker Presentations to be continued

Title: Arsenic speciation studies in *Oriza sativa* L. grown in wahalkada, Sri Lanka
Samanthika R Hettiarachchi, The Open University of Sri Lanka, Sri Lanka
Title: Effect of preanalytical techniques and variables on plasma ammonia determination
Ibraheem M Al-Qurashi, Taif University, Saudi Arabia
Title: Bioavailability and concentration of selected heavy metals from soils at the Ecton mining area with long-mining history of Cu, Pb, and Zn, Derbyshire, UK
Zahid O Alibrahim, Wolverhampton University, United Kingdom
Title: Ion-imprinted thermoresponsive fluorescent hydrogel for removal and determination of uranyl ion
Elif Gökçe Atçakan, Istanbul Technical University, Turkey
Title: Electrophilic phosphinidene complex affords novel organophosphorus compounds
Arif Ali Khan, Guru Gobind Singh Indraprastha University, India
Title: Synthesis of composite materials for chromatographic column separations
Amjad Mumtaz Khan, Aligarh Muslim University, India
Title: Regulation of electron transfer in nitric oxide synthase by conformational dynamics
Changjian Feng, University of New Mexico, USA

Title: Aggregation-free gold nanoparticles in ordered mesoporous carbons: towards highly active and stable heterogeneous catalysts for selective oxidation of alcohols and selective reduction of nitroarenes
Ying Wan, Shanghai Normal University, China

Day 3 June 18, 2016

Olimpica 1 & 2

Track 11: Medicinal Chemistry
Track 12: Materials Chemistry

Session Introduction

Session Chair: Brian W Dymock, University of Singapore, Singapore

Session Co-chair: Marc Le Borgne, Université Lyon, France

Title: Ruthenium organometallic compounds as promising anti-metastatic drugs for breast cancer chemotherapy
M Helena Garcia, Universidade de Lisboa, Portugal
Title: Polymer-metal conjugates: Versatile scaffolds for the synthesis of new antitumor drugs
Andreia Valente, Universidade de Lisboa, Portugal
Title: Novel functional materials based on cyanido-bridged metal assemblies and metal oxides
Shin-ichi Ohkoshi, The University of Tokyo, Japan
Title: The medicinal chemist's toolbox: how to use it to develop small molecule CK2 inhibitors
Marc Le Borgne, Université Lyon, France

Coffee Break@ Foyer

Title: Designed bispecific molecules selectively inhibiting both JAK2 and HDAC at low nanomolar concentrations
Brian W Dymock, University of Singapore, Singapore
Title: *In silico* screening of *Aloysia citrodora* Palau. leaf essential oil for anticholinesterase inhibitors
Sawsan Abuhamdah, The University of Jordan, Jordan
Title: Design of active and durable catalysts with non-precious materials for oxygen reduction and evolution reactions: First principles prediction and experimental validation
Byungchan Han, Yonsei University, Korea
Title: The effect of doping NiMgAl catalysts with lanthanum on the dry reforming of methane
Samer Aouad, University of Balamand, Lebanon
Title: S-Nitrosothiol-modified silica/polymer hybrid nanofibers as a nitric oxide storage/delivery scaffold
Soo Ji Son, Kwangwoon University, Korea

Lunch Break@ Restaurant

Track 13: Petro Chemistry
Track 14: Multi-disciplinary Chemistry

Session Introduction

Session Chair: Jean-Bernard Regnouf-de-Vains, Universite de Lorraine, France

Session Co-chair: Rukan Can Seyfeli, Gazi University, Turkey

Title: Study of intermolecular and intramolecular vibrations in heterocyclic aromatic hydrocarbons
Patricia Guevara Level, Université de Pau et des Pays de l'Adour, France
Title: From discrete to supported antibacterial calixarenes: toward bacteriophilic materials
Jean-Bernard Regnouf-de-Vains, Universite de Lorraine, France
Title: First-principles calculation of ε-Fe_2O_3 with a huge coercive field
Marie Yoshikiyo, The University of Tokyo, Japan
Title: *Thymus* and *Origanum* species growing in Turkey: Their phytochemical and biological activity properties
Ufuk Özgen, Karadeniz Technical University, Turkey
Title: Bentonite-Treatment of Bentonite with Na_2CO_3 and MgO
Rukan Can Seyfeli, Gazi University, Turkey
Title: The benefit of supplementing with Iron and vitamin B12 singly and in combination on haemoglobin among 6 to 9 years old rural primary school children in Kilifi County, Kenya?
Priscilla Monyangi Nyakundi, Kenya Medical Research Institute, Kenya

Title: Exploring DNA interaction and anticancer activity of ruthenium (II) mononuclear complexes and their luminescent properties

S Satyanarayana, Osmania University, India

Coffee Break: @ Foyer

Title: Determination of skin softeners, skin shiners and phytoconstituents from eugenol oil extracted from clove buds of clove trees found in zanzibar

Ochieng Anthony, Sumait University, Tanzania

Title: Quantitative analysis of multi-component alkane mixture with fourier transform infrared spectrometer based on TR-LSSVM-PSO

Feng Zhang, Xi'an Jiaotong University, China

Title: An attractor-repulsor molecular design prinicple for the exploration of supramolecular steric hindrance (SSH) effects

Linghai Xie, Nanjing University of Posts & Telecommunications, China

Title: Arithmetic progression way in calibration STD curve

Hisham H A Mohammedkhair, University of Khartoum, Sudan

Award Ceremony



Bookmark your dates

4th European Chemistry Congress

May 11-13, 2017 Barcelona, Spain

Website: www.chemistry.conferenceseries.com/europe

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Scientific Program

6th International Conference and Exhibition on

Analytical & Bioanalytical Techniques

September 01-03, 2015 Valencia, Spain



OMICS International Conferences:

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Registrations

Valentia A

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Opening Ceremony

Keynote Forum

Introduction

Florence Geneste
University of Rennes, France

Aly Moussa
Anses Lyon Laboratory, France

Network and Refreshment Break@ Foyer

Track 1: Novel Approaches to Analytical and Bioanalytical Methods
Track 2: Analytical Methodology

Session Chair: Tudor Arvinte, University of Geneva, Switzerland
Session Co-Chair: Radim Vespalec, Academy of Sciences of the Czech Republic, Czech Republic

Session Introduction

Title: Precise analysis of elements in silica powders by LA-ICP-MS
Istvan Halasz, PQ Corporation, USA
Title: Analytical tasks stemming from therapeutical prospects of electron deficient boron cluster compounds
Radim Vespalec, Academy of Sciences of the Czech Republic, Czech Republic
Workshop on Importance of analytical methods to understand the complexity and diversity of protein aggregation
Tudor Arvinte, University of Geneva, Switzerland
Title: New analytical methods to measure protein aggregates in biopharmaceuticals
Tudor Arvinte, University of Geneva, Switzerland
Title: R&D of electrochemical sensors & instruments in ELMAT & SKLEAC
Li Niu, Chinese Academy of Sciences, China

Group Photo

Lunch@ Aqua Restaurant

Title: Electrochemical preparation and characterization of gold nanoparticles graphite electrode: Application to myricetin antioxidant analysis
Guan Huat Tan, University of Malaya, Malaysia
Title: Electrochemical DNA biosensors and their potential applications to nanobiotechnology
Seda Nur Topkaya, Ege University School of Pharmacy, Turkey
Title: Determination of amlodipine in human plasma by liquid chromatography-tandem mass spectrometry and its application to pharmacokinetics & bioequivalence studies
Syed N Alvi, King Faisal Specialist Hospital & Research Center, Saudi Arabia

Track 3: Bioanalytical Methodology
Track 4: Analytical Techniques in Pharmacogenomics
Track 5: NMR and Analysis of Small Organic Molecules

Session Chair: Vitor H Pomin, Federal University of Rio de Janeiro, Brazil
Session Co-Chair: Khondaker Miraz Rahman, Kings College of London and Transcriptogen Limited, UK

Title: Targeting transcription factors with DNA interactive small molecules
Khondaker Miraz Rahman, Kings college of London and Transcriptogen Limited, UK
Title: The biological activity of streptomycin and related molecules are associated with the presence of 2 functional guanidine groups
Aly Moussa, Anses Lyon Laboratory, France

Network and Refreshment Break@ Foyer

Title: Comparison of the performance of amines and ionic liquids as additives in RPLC for the analysis of basic compounds
María José Ruiz-Ángel, University of Valencia, Spain
Title: NMR quantification in the verification of compounds: Simple to complex mixtures
Joshua M Hicks,Catalent Pharma Solutions, USA

Title: Determination of activated methyl cycle metabolites and glutathione in cabbage upon sulfate deprivation and copper toxicity
Mei-Hwei Tseng, University of Taipei, Taiwan
Title:Advances in structural biology of glycosaminoglycans by 15N-NMR spectroscopy
Vitor H Pomin, Federal University of Rio de Janeiro, Brazil

Panel Discussion

Day 2 September 02, 2015

Valentia A

Keynote Forum

Eduard Rogatsky
Yeshiva University, USA
Zsuzsanna Kuklenyik
Centers for Disease Control and Prevention, USA

Network and Refreshments Break@ Foyer

Track 6: Advances in Chromatography and Mass Spectrometry

Session Chair: Eduard Rogatsky, Yeshiva University, USA
Session Co-Chair: Wayne Grant Carter, University of Nottingham, England

Session Introduction

Title: Development and implementation of metabolomics platform: Considerations for successful discovery and validation of biomarkers
Alla Kloss, Sanofi, USA
Title: Hyper-multicolor high-content cellular assay based on quantum dot nanoprobe
Joon Myong Song, Seoul National University, South Korea
Title:Use of "Omics" technologies for mechanistic understandings of toxicological events
Toshinori Yamamoto,RaQualia Pharma Inc., Japan
Title: Analytical possibilities of ultra-high resolution mass spectrometry
Evgeny Nikolaev, Skolkovo Institute of Science and Technology (Skoltech), Russia
Title: The effect of anticoagulant types in analyzing levofloxacin in human plasma by high performance liquid chromatography-photodiode array
Yahdiana Harahap, Universities Indonesia, Indonesia
Title: Enantiomeric separation of biologically active 2-Pyrazolines on Lux Cellulose-2 and Lux Amylose-2: A comparative study
Mohammed Farrag El-Behairy, National Research Centre, Egypt

Lunch@ Aqua Restaurant

Title: Identification and quantification of proteins participating in apoA-1 and apoB-100 mediated cholesterol transport by field-flow fractionation and LC-MS/MS analysis
Zsuzsanna Kuklenyik, Centers for Disease Control and Prevention, USA
Title: Development of new stigmatic imaging mass spectrometer and its application to metal cation distribution in fish
Jun Aoki, Osaka University, Japan

Track 7: Analytical Techniques in Immuno Chemistry
Track 8: Environmental Analytical Aspects

Session Chair: Makhapa Makhafola, Mintek, South Africa
Session Co-Chair: Vitor H Pomin, Federal University of Rio de Janeiro, Brazil

Title: Gas chromatography with flame ionization detection of 1,4-dioxane in palm-based fatty alcohol ethoxylates
Bonnie Tay-Jones Yen Ping, Malaysian Palm Oil Board, Malaysia
Title: Speciation of trace arsenic compounds in drinking water with counter-flow electrokinetic supercharging
Doo Soo Chung, Seoul National University, Korea
Title: Application of passive sampling techniques as an usable tool in the field of environmental quality monitoring
Jacek Namieśnik, Gdansk University of Technology, Poland

Network and Refreshments Break@ Foyer

Title: Detection of cyproconazole using silver affinity electrochemical separation electrospray ionization mass spectrometry
Jana Jaklová,Scientist, Academy of Sciences of the Czech Republic,Czech Republic
Title: Overview of Mintek's research and development
Makhapa Makhafola, Mintek, South Africa
Title: An auto self-cleaning filter for on-line analyzers
Yuhui (Henry) Zhao, Epcor Water Canada, Canada

Title: Application of novel analytical techniques and data analysis tools for comprehensive metabolomics analysis of complex biological mixtures

Vladimir Shulaev, University of North Texas, USA

Panel Discussion

Day 3 September 03, 2015

Valentia A

Poster Sessions @ Foyer

Track 9: Applications of Analytical and Bio analytical Methods
Track 10: Diagnostic Assays and Test Kits
Track11: New Instrumentation and Equipment

Session Chair: Yeun-Jun Chung, The Catholic University of Korea, Korea

Session Co-Chair: Lihan Tan, Bioprocessing Technology Institute, Singapore

Session Introduction

Title: Cosmetic ingredients: From the cosmetic to the human body and the environment

Alberto Chisvert, University of Valencia, Spain

Title: Design of hybrid monolithic materials modified with nanoparticles: Application to the separation of small solutes and bio-macromolecules

José Manuel Herrero-Martínez, University of Valencia, Spain

Network and Refreshments Break @ Foyer

Title: Assessment of cytotoxic and endocrine potential of selected xenobiotics commonly present in food products

Katarzyna Owczarek, Gdańsk University of Technology, Poland

Title: Assessment of toxic effect and endocrine potential of food packages extracts

Natalia Szczepańska, Gdańsk University of Technology, Poland

Title: Recent progress of deep UV LED

Cyril Pernot, NIKKISO CO., LTD, Japan

Title:Measurement of histones in mammalian cell culture harvest

Lihan Tan, Bioprocessing Technology Institute, Singapore

Title: Immunoassays in drug development – Comparing and contrasting different platforms

Kabir Hussain, MedImmune, UK

Title:Uncertainty profile; a global strategy for validation and estimation of uncertainty: Application to a high-performance thin-layer chromatographic method

Yassine Hameda Benchekroun, Sidi Mohamed Ben Abdallah University, Morocco

Lunch @ Aqua Restaurant

Title: C18-bound partially sub-1µm porous silica monolith particles as low cost HPLC-stationary phase of excellent chromatographic performance and fast HPLC analysis

Faiz Ali, Inha University, South Korea

Title: Labs, cells and organs on a chip

Albert Van Den Berg, BIOS/Lab on a Chip group, The Netherlands

Title: Comprehensive overview of biophysical studies of lipoprotein stability

Shobini Jayaraman, Boston University School of Medicine, USA

Poster Presentations

AA01 **Determination of amlodipine in human plasma by liquid chromatography–tandem mass spectrometry and its application to pharmacokinetic & bioequivalence studies**
Syed N Alvi, King Faisal Specialist Hospital & Research Center, Saudi Arabia

AA02 **In situ suspended aggregate micro-extraction: A new sample preparation approach for the enrichment of organic compounds in aqueous solutions**
Alberto Chisvert, University of Valencia, Spain

AA03 **Determination of N-nitroso-diethanolamine in cosmetic products by reversed-phase dispersive liquid-liquid micro-extraction followed by liquid chromatography**
Alberto Chisvert, University of Valencia, Spain

AA04 **Fast determination of bronopol in cosmetic products by vortex-assisted emulsification extraction combined with liquid chromatography**
Alberto Chisvert, University of Valencia, Spain

AA05 **Determination of N-nitroso-diethanolamine in cosmetic products by reversed-phase dispersive liquid-liquid micro-extraction followed by liquid chromatography**
Alberto Chisvert, University of Valencia, Spain

AA06 **Validated determination of escitalopram by capillary zone electrophoresis in pharmaceutical preparations**
Arın Gül Dal, Anadolu University, Turkey

AA07 **Thermal denaturation and aggregation of bovine serum albumin**
Borzova Vera Alexandrovna, Russian Academy of Sciences, Russia

AA08 **Quantitative dried blood spot analyses: An aid to medicine optimization for heart disease patients**
Dennis Bernieh, De Montfort University, UK

AA09 **Multi-residual determination of developmental neurotoxic compounds in human milk**
Eliska Cechova, Masaryk University, Czech Republic

AA10 **Layered double hydroxide membranes as phosphate sensitive electrodes**
Martin Emeka Enemchukwu, University of South Africa, South Africa

AA11 **Hapten synthesis and immunoassay development for fluopyram analysis in food samples**
Eric Ceballos-Alcantarilla, Universitat de València, Spain

AA12 **Comparison of gradients of organic solvent in micellar liquid chromatography using the surfactants sodium dodecyl sulphate and Brij-35**
Ester Peris-García, University of Valencia, Spain

AA13 **DNA-functionalized electrochemical biosensor based on poly-(pyridine dicarboxylic acid) coated glassy carbon electrode for the study of anticancer drug gemcitabine**
Gozde Aydogdu Tıg, Ankara University, Turkey

AA14 **Hapten synthesis and monoclonal antibody-based immunoassays for cyprodinil residue analysis in food**
Guillermo Quiñones Reyes, Universitat de València, Spain

AA15 **Determination of arsenic by atomic spectroscopy by its volatile hydride generated electrochemically**
Hugo Romero, Technical University of Machala, Ecuador

AA16 **An NMR-based metabolomic approach to seek reliable markers for different botanical origins of mono-floral Italian honey**
Jalal Uddin, University of Padova, Italy

AA17 **Development and applications of desorption atmospheric pressure photoionization-mass spectrometry**
Jan Rejšek, Institute of Organic Chemistry and Biochemistry, Czech Republic

AA18 **Rapid instrumental detection and quantification of counterfeit pharmaceutical tablet formulations: Is ATR-FTIR an option?**
John Ogwu, De Montfort University, UK

AA19 **Analysis of cork taint responsible compounds in wine cellar atmosphere, wine and cork by dispersive liquid-liquid microextraction and gas chromatography-mass spectrometry**
M Hernández-Córdoba, University of Murcia, Spain

AA20 **Degradation kinetics of Aliskiren hemifumarate under stress conditions and its determination in tablets by stability indicating HPLC method**
Maha Said Ahmed Abd El-Tawab, Cairo University, Egypt

AA21 **Validation of a green chromatographic method for the analysis of β-blockers that uses a surfactant aqueous solution as mobile phase**
María José Ruiz-Ángel, University of Valencia, Spain

AA22 **Determination of alkylphenols in cleaning products using ultrasound assisted extraction and dispersive liquid-liquid microextraction with liquid chromatography-diode array-tandem mass spectrometry**
M Pastor, University of Murcia, Spain

AA23 **Analysis of biological material: Determination of neurotoxic pesticides and their metabolites in tissues and body fluids**
Marta Seifertova, Masaryk University, Czech Republic

AA24 **UPLC-MS/MS method for the determination of Vilazodone in human plasma: Application to a pharmacokinetic study**
Marwa Fouad, Cairo University, Egypt

AA25 **Improved MALDI mass spectrometry by EW-controlled sample preparation**
Olena Kudina, University of Twente, The Netherlands

AA26 **Comparison of three modes of fluorescence spectrometry to determine the enantiomeric composition of fluoxetine in tablets by multivariate calibration methods**
Roman Polacek, Slovak University of Technology, Slovakia

AA27 **Evolution of an analytical strategy aimed at the determination of sialic acid in group B Streptococcus polysaccharide**
Sanna Coccone S, Glaxo Smith Kline, Italy

AA28 **Purification of bioactive peptides from whey with HPLC**
Seda Kusoglu, Uskudar University, Turkey

AA29 **Simultaneous capillary zone electrophoretic determination of hydrochlorothiazide and certain angiotensin-II receptor antagonists in pharmaceutical preparations**
Sema Koyutürk , Anadolu University, Turkey

AA30 **Maximization of the chromatographic information in green tea fingerprinting**
Tamara Alvarez-Segura, University of Valencia, Spain

AA31 **RP-HPLC method for the simultaneous determination of Carbamazepine and Nilotinib: Application to interaction studies**
Zeynep Aydomuş, Istanbul University, Turkey

AA32 **Development and validation of fast LC-MS/MS method for the determination of folic acid in human plasma**
Aref Zayed, Jordan University of Science and Technology, Jordan

AA33 **Stuffer-free multiplex ligation-dependent probe amplification technology for identifying the copy number variation markers associated with the risk of SLE**
Yeun-Jun Chung, The Catholic University of Korea, Korea

AA34 **Validated liquid chromatographic method for simultaneous determination of metformin, pioglitazone, sitagliptin, repaglinide, glibenclamide and gliclazide: Application for counterfeit drug analysis**
Asmaa A El-Zaher, Cairo University, Egypt

AA35 **Evaluation of the effect of maternal smoking on steroid hormone levels in placenta using metabolomic approach**
Alicja Kotłowska, Department of Food Sciences, Faculty of Pharmacy, Medical University of Gdańsk

AA36 **Total proteins change in reconstituted freeze-dried reference materials used in clinical chemistry**
Bára Vinklárková,Masaryk University, Czech Republic

AA37 **Analysis of monoclonal antibodies and antibody-drug-conjugates using new hydrophobic interaction chromatography (HIC) columns**
Robert van Ling, Thermo Fisher Scientific, The Netherlands

AA38 **Determination of Vitamin B12 in Sea Buckthorn (Hippophaes rhamnoides)**
Michail Nakos, Institute of Technical Chemistry - Leibniz Universität Hannover , Germany

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Day 1 August 25, 2014

Registrations

Independence A

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Opening Ceremony

Keynote Forum

Introduction

Tatsuya Nabeshima
University of Tsukuba, Japan

Ingrid Mergelsberg
Merck Co., Inc., USA

Mark Hayward
Active Ingredient Technologies, USA

Coffee Break @ Foyer

Steven J Langford
Monash University, Australia

Moinuddin Sarker
AEE-CT Chapter, USA

Lothar Brecker
University of Vienna, Austria

Track 1: Basic Principles and New Trends in Green Chemistry
Track 3: Green Synthesis
Track 10: Analytical Methodologies
Track 11: Sustainability and Environmental Safety

Session Introduction

Session Chair: Lothar Brecker, University of Vienna, Austria
Session Co-Chair: Bingbing Li, Central Michigan University, USA

Title: Methods and systems for converting plastic to fuel
Moinuddin Sarker, AEE-CT Chapter, USA
Title: Plasma chemistry for suitability and environmental safety
Hai-Feng Ji, Drexel University, USA

Lunch Break @ Benjamins

Title: Keratin waste: A valuable resource for pharmaceutical and forensic applications
Ramiz Boulos, Flinders University, Australia
Title: Electronic states and photocatalytic activities of TiO_2 modified with metal nanoparticles studied by far-ultraviolet spectroscopy
Ichiro Tanabe, Kwansei Gakuin University, Japan
Title: *In-situ* NMR and STD NMR to study mechanisms of enzyme catalyzed reactions to optimize use of enzymes in organic synthesis
Lothar Brecker, University of Vienna, Austria
Title: Reduction of solvent usage in HPLC during column re-equilibration after gradient elution in Reversed- Phase Liquid Chromatography
Joe P Foley, Drexel University, USA
Title: Fluorescent dipyrrin-typical-element complexes responding to external stimuli
Tatsuya Nabeshima, University of Tsukuba, Japan
Title: Recent structure relationship studies (SAR) on natural occurring sulfonium salts as potent α-glucosidase inhibitors
Weijia Xie, China Pharmaceutical University, China

Title: Nanostructured biodegradable polymeric materials through a green chemical approach
Bingbing Li, Central Michigan University, USA

Coffee Break @ Foyer

Title: Supercapacitive swing adsorption of carbon dioxide
Kai Landskron, Lehigh University, USA
Title: Mechanism-based molecular design of chemicals with low carcinogenicity potential
David Y Lai, US Environmental Protection Agency, USA
Title: Application of aquatic plant phytoremediation as green technology treatment of lead in polluted water
Nadia Badr, Alexandria University, Egypt
Title: Chemical depolymerization of lignin in Ionic liquids
Kei Saito, Monash University, Australia
Title: Infiltration of green chemistry concept in chemistry experiment teaching
Hua Yan, Logistic Engineering University, China
Title: The use of thermal release technique with atomic absorption detection for the study of mercury transformation in contaminated environment
Olga V Shuvaeva, Siberian Branch of Russian Academy of Science, Russia

Panel Discussions

Cocktails sponsored by **Journal of Environmental Analytical Chemistry @ Foyer**

Day 2 August 26, 2014

Independence A

Track 2: Green Chemistry-Chemical Applications
Track 4: Green Chemistry-Catalyst Compatibility
Track 7: Benefits of Green Chemistry
Track 9: Industrial Applications of Green Chemistry

Session Chair: Jon D Stewart, University of Florida, USA
Session Co-Chair: Abel E Navarro, Borough of Manhattan Community College, USA

09:00-10:00 Workshop on **"Progress in Chemistry for Suitability & Environmental Safety"**
Haifeng Frank Ji, Drexel University, USA

Title: Green chemistry in a changing landscape - Isn't green chemistry simply good chemistry?
Steven J Langford, Monash University, Australia
Title: Developing flavoprotein alkene reductases into synthetically useful catalysts for asymmetric reductions
Jon D Stewart, University of Florida, USA

Coffee Break @ Foyer

Title: Inverse molecular design of green catalysts for biomass conversion
Dequan Xiao, University of New Haven, USA
Title: Efficient catalyst reuse by dissolution in non-conventional media
Carlos A M Afonso, University of Lisbon, Portugal
Title: Improving the adsorptive properties of biomaterials for the removal of heavy metals
Abel E Navarro, Borough of Manhattan Community College, USA
Title: Minimally competent lewis acids for the synthesis of glycosides
Robin Polt, The University of Arizona, USA
Title: Arylation of Weakly Acidic C–H's
Patrick J Walsh, University of Pennsylvania, USA

12:35-13:30 Workshop on **"Toward the Inverse Molecular Design of Green Catalysts"**
Dequan Xiao, University of New Haven, USA

Lunch Break @ Benjamins

Title: An extremely stable and highly active periodic mesoporous lewis acid silica for mukaiyama-aldol reaction in water
Fang Zhang, Shanghai Normal University, China
Title: Bi-functional catalyst for conversion of 2-*methylfuran* as an waste biomass derived chemical to biodiesel
Hattrick-Simpers, University of South Carolina, USA
Title: Catalysis, atom economy and green toxicology: Tools for sustainable chemistry and drug discovery
Nicholas Gathergood, Dublin City University, Ireland
Title: Recreational water sources and health hazard (contamination of recreational water sources to pathogenic *Acanthamoeba* in Iran)
Maryam Niyyati, Shahid beheshti university of medical sciences, Iran
Title: Recent findings on anti-tumoral and antioxidant triterpene saponins from some Cameroonian medicinal plants
Tapondjou A Leon, University of Dschang, Cameroon

Coffee Break @ Foyer

Panel Discussion

16:05-17:00 Poster Presentations @ Foyer
18:30-19:30 Cocktails Sponsored by **Journal of Organic Chemistry @ Foyer**

Day 3 August 27, 2014

Independence A

Track 5: Green Chemical Solvents
Track 6: Aromatic and Non-Aromatic Green Chemistry
Track 8: Organic Synthesis in Different States
Track 12: Green Chemistry and Engineering

Session Introduction

Session Chair: John A Glaser, US Environmental Protection Agency, USA
Session Co-Chair: Shipra Roy, Sarojini Naidu Government Girls PG College, India

09:00-10:00 Workshop on **"Insight from Computer Modelling for Drug Discovery"**
Ramiz A Boulos, Flinders University, Australia

Title: Finding the innovation in green chemistry/engineering
John A Glaser, US Environmental Protection Agency, USA
Title: Green chemistry at merck - A development chemist's perspective
Ingrid Mergelsberg, Merck Co., Inc., USA

Coffee Break @ Foyer

Title: Development of sisal fiber reinforced cement composites as substitute of asbestos cement composites- A green chemical approach
Shipra Roy, Sarojini Naidu Government Girls PG College, India
Title: New separations strategies with an emphasis on recycling chemistry for high value rare earth elements
Eric J Schelter, University of Pennsylvania, USA
Title: Green chemistry innovation in the synthesis of medicines
Rakeshwar Bandichhor, Dr. Reddy's Laboratories, India
Title: Recent advances in heteropoly acids-catalyzed organic reactions in water
Majid M Heravi, Alzahra University, Iran
Title: Novel organic transformations in aqueous media
J S Yadav, Indian Institute of Chemical Technology, India
Title: Green processes to diisocyanates and polyurethane-urea elastomers via carbonate raw materials: New NPR and NIR processes
Shenghong A Dai, National Chung-Hsin University, Taiwan
Title: Polymer-supported siloxane transfer agents: A green chemistry approach toward cross-coupling reactions
Minh H Nguyen, University of Pennsylvania, USA
Title: Determination of organochlorine pesticides in water samplesand decomposition kinetics of Chlorpyrifos using advanced oxidation process
Muhammad Ismail, University of Peshawar, Pakistan

Lunch Break @ Benjamins

Panel Discussions

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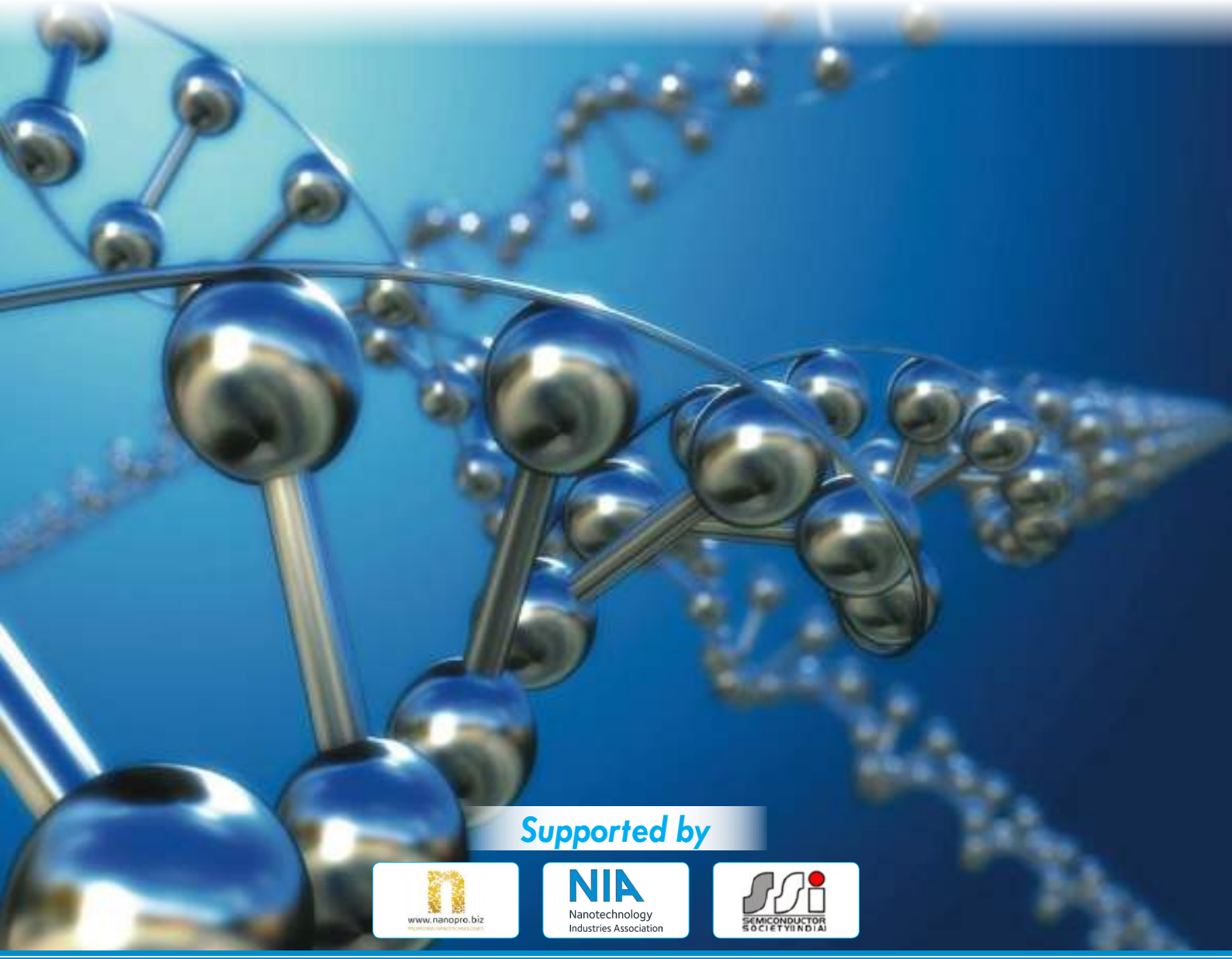
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October 06, 2013

Registrations

Day 1 October 07, 2013

Registrations

Salon A

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Opening Ceremony

Keynote Forum

Introduction

Isaac C. Sanchez
University of Texas, USA

Arumugam Manthiram
University of Texas at Austin, USA

Dongyang Li
University of Alberta, Canada

Coffee Break @ Event Center

Aris Christou
of Maryland, USA

Zhifeng Ren
University of Houston, USA

Federico Rosei
University of Quebec, Canada

Track 1: Materials Science and Engineering (Session 1)

Session Chair: Xiao Wang Zheou, Sandia National Laboratories, USA

Session Co-Chair: Frederique Gadot, University of South Paris, France

Session Introduction

Title: Big data is the future of material science
Alex V. Vasenkov, Multiscale Solutions Inc., USA

Title: Analytical bond-order potential for aluminum
Xiao Wang Zhou, Sandia National Laboratories, USA

Group Photo @ Salon A

Lunch Break @ Event Center

Title: Effect of bio field treatment on the physical and thermal characteristics of silicon, Tin and lead powders
Shrikant Patil, Trivedi foundation, USA

Title: Metamaterials and their applications for astrophysical and medical domains
Frederique GADOT, University of South Paris, France

Title: Atomistic simulations of initial yield mechanism in ultrafine-grained metals
Tomohito Tsuru, Japan Atomic Energy Agency, Japan

Title: Understanding materials based on the electron work function
Dongyang Li, University of Alberta, Canada

Title: Physical characterization and microstructure evaluation of titanium dioxide semiconductor discs processed with binders
Shahida Begum, Universiti Tenaga Nasional, Malaysia

Title: Potential of microwave processed cordierite based glass-ceramic glazes for next generation floor tiles
Sumana Ghosh, Central Glass and Ceramic Research Institute, (CSIR), India

Coffee Break @ Event Center

Title: Mechanical behavior of pure aluminum processed by constrained groove pressing
Shantharaja M, Bangalore University, India

Title: Evaluation of material and mechanical properties of mullite bonded porous SiC ceramics prepared by an infiltration technique and conventional powder processing routes
Nijhuma Kayal, Central Glass and Ceramic Research Institute, (CSIR), India

Title: Characterization study of functionally graded metal ceramic composites fabricated by layer processing technique
Kumar R, M S Ramaiah Institute of Technology, India

Title: Enhanced performance of zinc oxide arrester by simple modification in processing and design
Shahida Begum, Universiti Tenaga Nasional, Malaysia

Title: Comparative Study of microstructure & mechanical properties of plain wire rod and TMT wire rod manufactured at Bhilai Steel Plant (BSP), India
Aparna Lohiya, Kansas State University, USA

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Fiji

Track 1: Materials Science and Engineering (Session 2)

Session Chair: Anand Chokkalingam, The University of Queensland, Australia

Session Co-Chair: Kholmurad Khasnov, M. V. Lomonosov Moscow State University, Russia

Session Introduction

Title: The effect of binder and pressure on the preparation of recycled soda lime silica glass composite bodies
Adele Dzikwi Garkida, Ahmadu Bello University, Nigeria

Title: Production of new conjugated polymer through maillard reaction between Durian Seed Gum (DSG) and Whey Protein Isolate (WPI)
Hamed Mirhosseini, University Putra Malaysia, Malaysia

Group Photo @ Salon A

Lunch Break @ Event Center

Title: Phenomena of interaction of external field and synthesis of new materials
Kholmurad Khasanov, M. V. Lomonosov Moscow State University, Russia

Title: Flow ability characteristics, functional properties and rheological properties of a natural carbohydrate-protein biopolymer
Bahareh Tabatabaee Amid, University Putra Malaysia, Malaysia

Title: Novel nanoporous superacids with ordered porous structure for fFine chemical synthesis
Chokkalingam Anand, The University of Queensland, Australia

Title: Computing macroscopic mechanical properties of heterogeneous composites
Hyunsun Lee, Hawaii Pacific University, USA

Title: Magnetoelectric and dielectric properties of $PbZr_{0.52}Ti_{0.48}O_3$-$Co_{0.6}Zn_{0.4}Mn_{0.3}Fe_{1.7}O_4$- $PbZr_{0.52}Ti_{0.48}O_3$ trilayer composites
Arti Gupta, University of Delhi, India

Track 3: Energy Materials

Session Chair: Satish K. Nune, Pacific Northwest National Laboratory, USA

Session Co-Chair: Takao Mori, National Institute for Materials Science (NIMS), Japan

Session Introduction

Title: Hierarchical nanoporous carbon architectures for super capacitor applications
Satish K. Nune, Pacific Northwest National Laboratory, USA

Coffee Break @ Event Center

Title: Developing high temperature thermoelectric materials through control of atomic and grain structure
Takao Mori, National Institute for Materials Science (NIMS), Japan

Title: Development and characterization of poly(arylene ether sulphone)based polymer electrolyte membranes for direct methanol fuel cell applications
Erde Can, Yeditepe University, Turkey

Title: Seeing small: Enabling new discoveries in energy materials through advanced transmission electron microscopy
Paulo J. Ferreira, University of Texas at Austin, USA

Title: A simple thermal plasma method to produce pure graphene flake structures
Ramona Pristavita, McGill University, Canada

Title: Beyond li-ion - A case for magnesium battery systems
Nikhilendra Singh, Toyota Research Institute of North America, USA

Title: Evolution of the flux combination for pelletization of high alumina iron ore fines
T. K. Sandeep Kumar, Lulea University of Technology, Sweden

Cocktails Sponsored by **Journal of Material Sciences & Engineering @ Event Center**

Tahiti

Track 4: Mining and Metallurgy
Track 5: Surface Science and Engineering

Session Chair: Raymundo Ordonez Olivares, University of Pittsburgh, USA

Session Co-Chair: Viswanathan S. Saji, Korea University, Republic of Korea

Session Introduction

Title: Strategic metals in the United States civil war
Charles D. Ross, Longwood University, USA

Title: Annealing behavior of titanium bearing HSLA steel through electron back scattering diffraction
R. Ordonez, University of Pittsburgh, USA

Group Photo @ Salon A

Lunch Break @ Event Center

Title: Electrochemical reduction of Eu (III) for the recovery of Eu from rare earth materials solution using turbulent-induced cell
Kyeong Woo Chung, Korea Institute of Geoscience and Mineral Resources, Korea

Title: Corrosion control and nanomaterials
Viswanathan S. Saji, Korea University, Republic of Korea

Title: High-wavelength, low-energy photochemical surface engineering
Jason R. Tavares, Polytechnique Montreal, Canada

Title: Catalyst surface design by molecular imprinting of oxide-supported ru complex catalyst for regioselective epoxidation
Satoshi Muratsugu, Institute for Molecular Science, Japan

Title: Creation of an environmental atlas for a quarry cluster
Sampath Kumar M.C, B.M.S College of engineering, India

Title: Recovery of valuable metals from spent SCR catalysts for de-NOx by soda roasting
Jin-Young Lee, Korea Institute of Geoscience & Mineral Resources, Korea

Coffee Break @ Event Center

Title: Optimization of coating parameters on coating morphology of basalt short fiber for preparation of Al/Ba salt metal matrix composites
S. Paul Vizhian, Bangalore University, India

Title: The hydrophobic to hydrophilic transition of graphene in the presence of H_2O molecules
Zhimin Ao, The University of Technology, Australia

Title: Effect of thermal treatment and rolling on mechanical properties and corrosion resistance of aluminum- hematite composite
C. N. Chandrappa, M S Ramaiah Institute of Technology, India

Title: Effect of particle size on mechanical properties of SiC particle-reinforced aluminium alloy composites
M. C. Krishnamurthy, BMS Evening College of Engineering, India

Title: Cutting force and surface roughness analysis using gray based taguchi method for turning operation
Umesh C. K, Bangalore University, India

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Day 2 October 08, 2013

Salon A

Track 2: Nanomaterials and Nanocomposites (Session 1 A)

Session Chair: Kytai T. Nguyen, University of Texas at Arlington, USA

Session Co-Chair: Ramesh K. Agarwal, Washington University in St. Louis, USA

Session Introduction

Title: Dual-imaging enable nanoparticles for diagnosis and therapy of prostate cancer
Kytai T. Nguyen, University of Texas at Arlington, USA
Title: Controlling the interfacial properties of carbon nanotubes
Kirk J. Ziegler, University of Florida, USA
Title: CFD Simulations of transport of atmospheric aerosols and nanoparticles in models of human respiratory system
Ramesh K. Agarwal, Washington University in St. Louis, USA
Title: Controlling interphase formations in polymer/nano-carbon composite fibers for improving mechanical performance
M. L. Minus, Northeastern University, USA
Title: Cutting edge developments in the analysis of protein colloids in amyloid fiber formation
Jonathan R. Anson, Florida Institute of Technology, USA
Title: Nanostructured composites for controlled drug delivery and stem cell functions
Huinan Liu, University of California at Riverside, USA

Coffee Break & Poster Presentations @ Event Center

Title: Precision manipulation, assembling, and actuation of nanoentities by electric tweezers
Donglei (Emma) Fan, The University of Texas at Austin, USA
Title: Site-targeting nanotherapeutics for micro vascular normalization
Kaustabh Ghosh, University of California, USA
Title: Properties and fabrication of functional oxide nanoparticles for future electronic devices
Keigo Suzuki, Murata Manufacturing Co.Ltd., Japan
Title: Smart nanostructured implants for regenerative nanomedicine
N. Benkirane-Jessel, French National Institute of Health and Medical Research, France

Lunch Break @ Event Center

Track 2: Nanomaterials and Nanocomposites (Session 1 B)

Session Chair: Farid Menaa, Fluorotronics Inc., USA

Session Co-Chair: Abdel Hadi Kassiba, University of Maine, France

Session Introduction

Title: Nanostructures for control of nansocale light-matter interaction
Ganapathi Subramania, Sandia National Laboratories, USA
Title: Popping up graphene oxide for capacitive applications
Lianxi Zheng, Nanyang Technological University, Singapore
Title: Functional nanocomposites based on silicon carbide nanoparticles: Selected insights on electronic and optical features
Abdel Hadi Kassiba, University of Maine, France
Title: Characterization and application of nanoalumina prepared by different routes
Nelcy D. S. Mohallem, Universidade Federal de Minas Gerais, Brazil
Title: Flame retardant nanocomposites for engineering application
R. Suresh, R V College of Engineering, India
Title: Preparation and wear characterisation of zirconium nano particle reinforced with Al356.1 aluminium alloy matrix
Chittappa H. C, Bangalore University, India
Title: Chiral quantum dots
Y. K. Gun'ko, Trinity College of Dublin, Ireland
Title: Graphene & derivatives: The G point in regenerative medicine?
Farid Menaa, Fluorotronics Inc., USA

Coffee Break @ Event Center

Title: Thermal stability and mechanical properties of nanostructured coatings for innovative applications in the oil and gas industry
F. Musharavati, Qatar University, Qatar
Title: Catalytic reactions on Pt nanoclusters. Size and coverage effects in CO oxidation and methanol decomposition
Sergey Dobrin, University of Toronto, Canada
Title: Graphite reinforced polymer nanocomposites for conducting packaging applications
Sarat K. Swain, Veer Surendra Sai University of Technology, India
Title: Biotemplated semiconductor/metal nanostructures - Their characteristic features and future prospects
Anil Kumar, Indian Institute of Technology Roorkee, India

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Track 2: Nanomaterials and Nanocomposites (Session 2)

Session Chair: Cengiz S. Ozkan, University of California Riverside, USA

Session Co-Chair: Hai- Feng Frank Ji, Drexel University, USA

Session Introduction

Title: Nanoparticles in humans: Experiments, methods and strategies
Lev S. Ruzer, Lawrence Berkeley National Laboratory, USA
Title: Needleless electrospinning of nanofiber nonwovens and highly-twisted nanofiber yarns
Tong Lin, Deakin University, Australia
Title: Self assembled organic and organic-Inorganic nanopillars
Hai-Feng Frank Ji, Drexel University, USA
Title: Van der Waals interaction between nanostructures
Jianmin Tao, Tulane University, USA
Title: Nanostructured materials for advanced energy storage
Cengiz S. Ozkan, University of California Riverside, USA
Title: Synthesis and self-assembly of dielectric nanocubes
Dewei Chu, University of New South Wales, Australia

Coffee Break & Poster Presentations @ Event Center

Title: Aerosols handbook: Measurement, dosimetry, and health effects
Lev S. Ruzer, Lawrence Berkeley National Laboratory, USA
Title: Titanium dioxide based nanostructured polycarbazole reinforced Organic-Inorganic composite material
Mohammad Shakir, Aligarh Muslim University, India
Title: Design of nanoporous cluster-assembled materials
Jon M. Matxain, University of the Basque Country, Spain
Title: Origin of huge coercivity in iron oxide ε-Fe2O3
Marie Yoshikiyo, The University of Tokyo, Japan
Title: Interface engineering of CeO_2 nanostructure based memristors
Adnan Younis, University of New South Wales, Australia

Lunch Break @ Event Center

Track 6: Biomaterials and Tissue Engineering

Session Chair: Narayan Bhattarai, North Carolina A&T State University, USA

Session Co-Chair: Hongjing Dou, Shanghai Jiao Tong University, China

Session Introduction

Title: The Effect of polymer/ceramic scaffold architecture and composition on the growth of MC3T3 osteoblastic cell line
Amy Yousefi, Miami University, USA
Title: Functional electrospun nanofibers for biomedical applications
Narayan Bhattarai, North Carolina A&T State University, USA
Title: *In vitro* and *ex vivo* toxicology of antimicrobial conjugated electrolytes: Interactions with mammalian cells
Heather Canavan, University of New Mexico, USA
Title: Osteoporosis treatment of hybrid biomaterial chitosan- bioactive glass graft: Effects on bone remodeling
Hassane Oudadesse, University of Rennes1, France
Title: Solid-liquid multiphase simulation of protein-surface interaction and protein adsorption on polymer surfaces
P. K. Biswas, Tougaloo College, USA
Title: Revolutionizing metallic biomaterials for biodegradable implants
J. Sankar, North Carolina A&T State University, USA
Title: Electrochemical synthesis and evaluation of platinum-iridium-oxide thin film for biomedical applications
Artin Petrossians, University of Southern California, USA
Title: Hierarchical scaffolds produced by a hybrid solid free form fabrication/thermally-induced phase separation technique
Amy Yousefi, Miami University, USA

Coffee Break @ Event Center

Title: Medical applications of amphiphilic comb type graft copolymer containing inorganic nanoparticles
Derya Burcu Hazer, Mugla Sitki Kocman University, Turkey
Title: Structured PEGs for manipulation of biological macromolecules
Kazushi Kinbara, Tohoku University, Japan
Title: Bulk compounding of PCL-PEO blends for 3D plotting of scaffolds for cardiovascular tissue engineering
K. Ragaert, Ghent University, Belgium
Title: Advancement in tissue engineering scaffold development: Rapid prototyping technology
Md Enamul Hoque, University of Nottingham Malaysia Campus, Malaysia
Title: Enhanced effect of silver nanoparticles on the bioactivity of hydroxyapatite nanocomposite
A. A. Mostafa, University of Rennes 1, France
Title: Facile preparation of multi-scaled quantum dot barcodes and their application in multiplexed hepatitis B detection
Hongjing Dou, Shanghai Jiao Tong University, China
Title: Reprogramming macrophages to combat cancer by engineering polymer surface properties
Kaitlin M. Bratlie, Iowa State University, USA

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Day 3 October 09, 2013

Salon A

Track 7: Materials Chemistry (Organic and inorganic) and Sustainable Chemistry
Track 8: Biophysics & Systems Biology

Session Chair: Shin-ichi Ohkoshi, The University of Tokyo, Japan

Session Co-Chair: Toshio Naito, Ehime University, Japan

Session Introduction

Title: Giant vesicles prepared by nitroxide-mediated photo-controlled/ living radical polymerization-induced self-assembly
Eri Yoshida, Toyohashi University of Technology, Japan
Title: Production of jet and diesel fuel blend stocks from dienes via catalysis
Padmaja Gunda, Pacific Northwest National Laboratory, USA
Title: Novel functionalities on metal complex material and metal oxide-based nanomaterial
Shin-ichi Ohkoshi, The University of Tokyo, Japan
Title: Reversible and simultaneous control of conduction and magnetism in organic materials by UV irradiation
Toshio Naito, Ehime University, Japan
Title: Hepatic and renal toxicity of cadmium in protein malnourished rats
Syed Saleem Husain, Jazan University, KSA

Coffee Break @ Event Center

Title: The study of rhodium substituted ε-iron oxide nanomagnets exhibiting gigantic coercive field, high frequency millimeter wave absorption
Asuka Namai, University of Tokyo, Japan
Title: Evaluation of effect of different solvents on the oxidation of benzyl alcohol & cyclohexanol using modified clays
N. Suma, Global Academy of Technology, India

Track 9: Optics and Laser Technology
Track 10: Advances in Instrumentation Technology
Track 11: Emerging Areas of Materials Science

Session Chair: Avin Pillay, The Petroleum Institute, UAE

Session Co-Chair: Victor Abrukov, Chuvash State University, Russia

Session Introduction

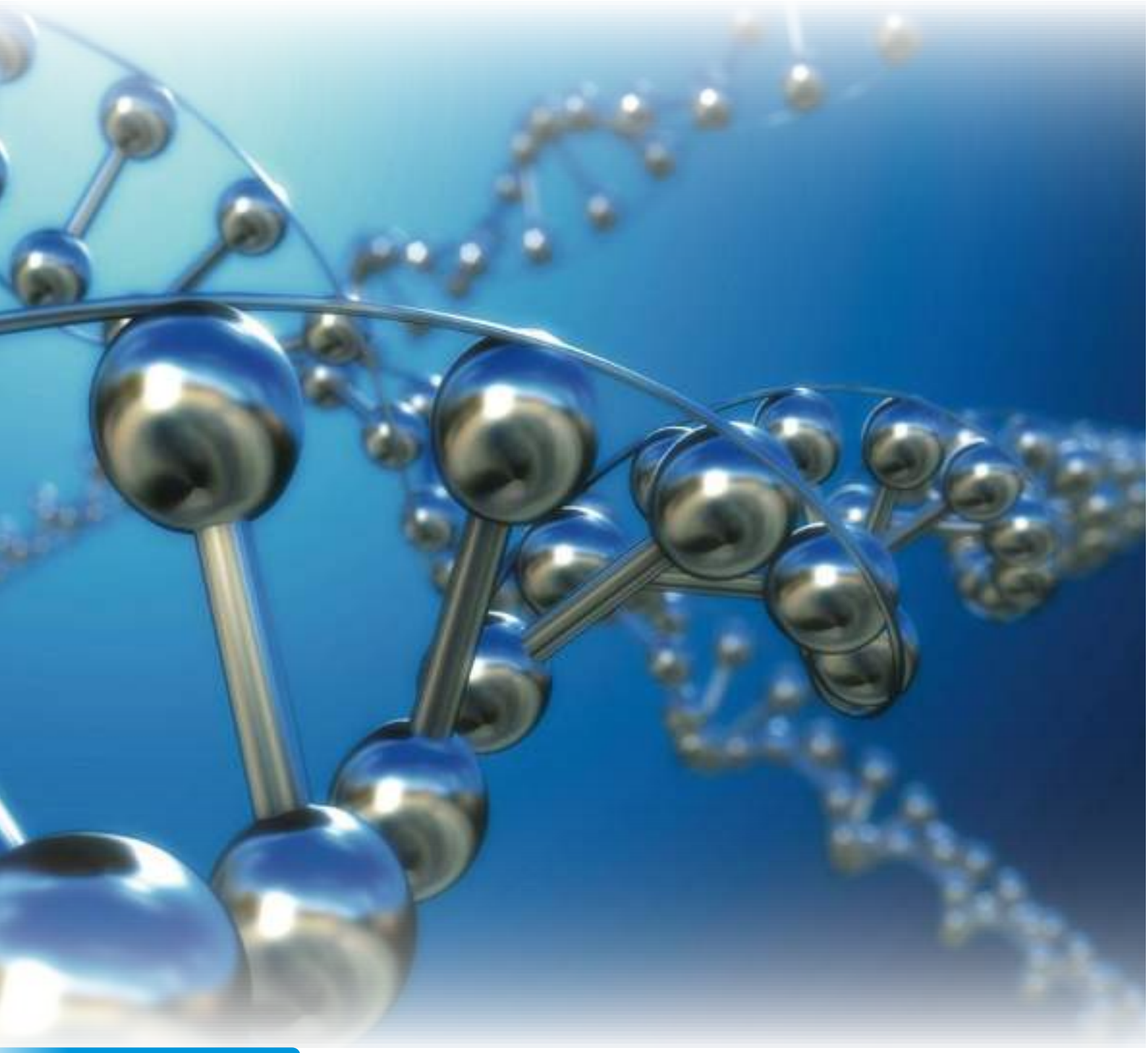
Title: Atomic-level precise artificial atom towards material innovation
Norifusa Satoh, National Institute for Materials Science, Japan
Title: High-speed atomic force microscopy for video imaging of functioning biological molecules
Noriyuki Kodera, Kanazawa University, Japan
Title: Antimicrobial surfaces containing immobilized photosensitizers
Marina Nisnevitch, Ariel University, Israel
Title: PAC Spectroscopy: A technique to characterize materials at an atomic scale
R. Dogra, Beant College of Engineering & Technology, India

Lunch Break @ Event Center

Title: An educational perspective on Materials Science
Souhaila F. Almutawa, Kuwait University, Kuwait
Title: In-homogenous broadening in InP/AlGaInP quantum dot laser structures
Mohammed Saad Al-Ghamdi, King Abdulaziz University, Saudi Arabia
Title: Geometric stabilities, electronic and magnetic properties of stable palladium adsorption on graphene-A first principle study
Md Mahmudur Rahman, Universiti Putra Malaysia, Malaysia
Title: Novel approach for deep-UV depth-profiling studies (ICP-MS) of soft waxes and asphaltenes using liquid nitrogen pre-treatment
Avin Pillay, The Petroleum Institute, UAE

Title: A new material experiment: Data mining for modeling, data mining for presentation
Victor Abrukov, Chuvash State University, Russia
Title: Development of a radial basis function neural network for the recognition of common phases Present in carbon steel metallographs
Sara E. McCaslin, The University of Texas at Tyler, USA

Coffee Break @ Event Center



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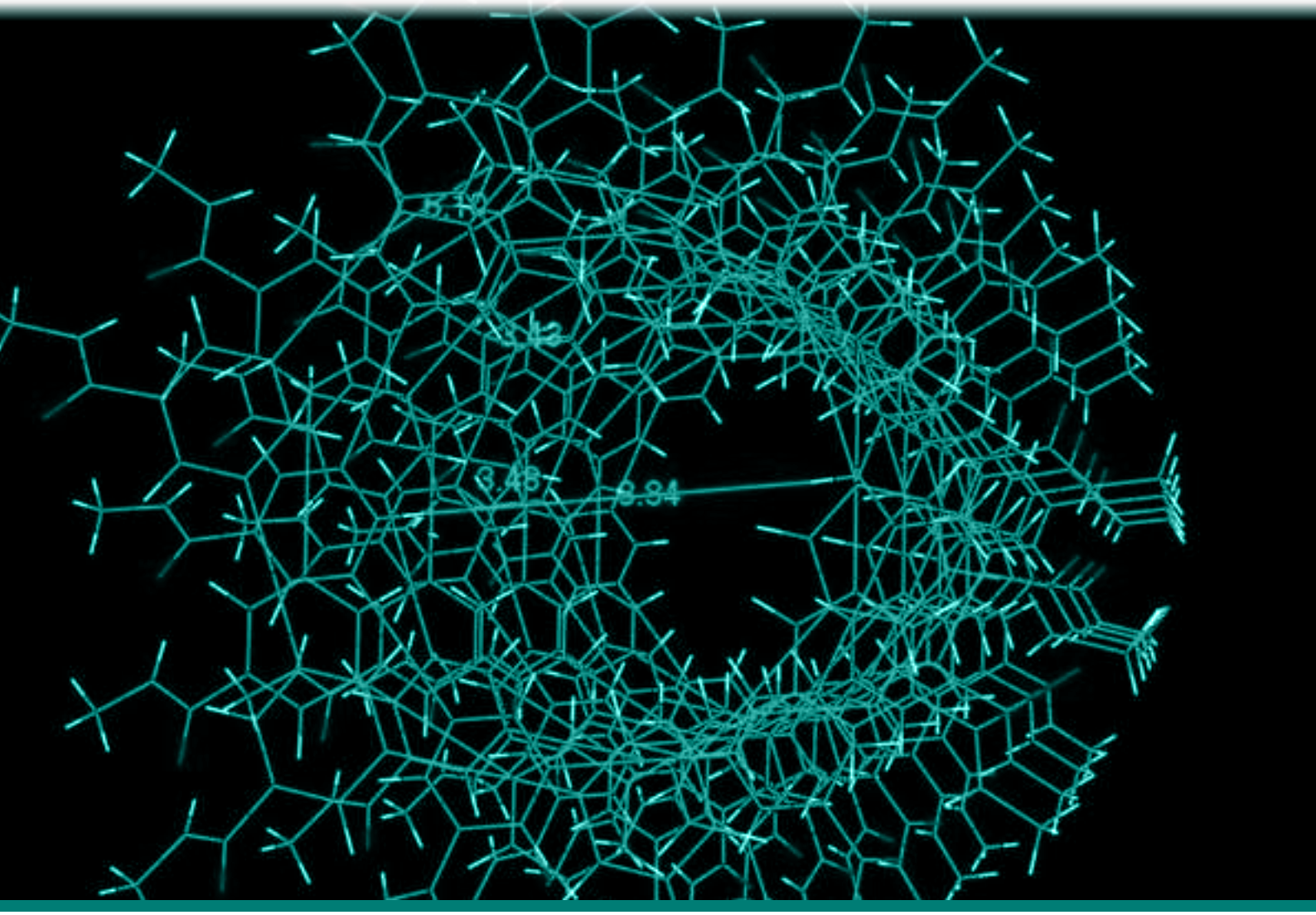
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Registrations October 28, 2012

Day 1 October 29, 2012

Breakfast
Registrations

Breakout 1

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Opening Ceremony

Keynote Forum

Introduction

Giulio Tarro

Temple University, USA

Ronan Bureau

University of Caen Basse-Normandie, France

Coffee Break

Li Xing

Pfizer, USA

Track 1: Molecular Modeling
Track 2: Rational Drug Design
Track 3: Drug Development
Track 4: Structure Prediction
Track 5: Systems Biology
Track 6: Computational Biology

Session Introduction

Title: Recent technological advancements in ligand-based and structure-based modeling: BCL: Cheminfo and rosetta ligand
Edward W. Lowe Jr., Vanderbilt University Center for Structural Biology, USA
Title: Specificity of heparin/heparan sulfate binding to proteins
Umesh R. Desai, Virginia Commonwealth University, USA
Title: Discovery of potent, selective and efficacious p38 MAPK inhibitor as clinical drug candidate
Li Xing, Pfizer, USA

Lunch Break

Title: QSAR model building and analysis of ADME properties: Understanding P-glycoprotein activity
Sookhee Ha, Merck Research Laboratories, Canada
Title: Computer-aided design of inhibitors of DNA methyltransferases
Jose L. Medina-Franco, Torrey Pines Institute for Molecular Studies, USA
Title: Chemoinformatic strategies in the design of new linezolid-like 1,2,4-oxadiazoles active against multidrug resistant Gram-positive pathogens.
Cosimo G. Fortuna, Università di Catania, Italy

Coffee Break

Title: Screen 3D: A ligand-based 3D similarity search without conformational sampling
Wei Deng (David), ChemAxon, USA
Title: Pharmacophores vs emerging fragments: Implications in the comprehension of polypharmacological and toxicological properties of chemical derivatives
Ronan Bureau, University of Caen Basse-Normandie, France
Title: Kinome-wide activity models from diverse high-quality datasets
Steven M. Muskal, Eidogen-Sertanty Inc., USA

Panel Discussion

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Day 2 October 30, 2012

Breakout 1

Track 7: Structural Bioinformatics
Track 8: Sequence Analysis
Track 9: Data Mining & Data Analysis

Session Introduction

Title: Extract chemical information from patents using chemicalize and D2S (Document to Structure)
Wei Deng (David), ChemAxon, USA
Title: Identifying neuraminidase residues likely to mutate with molecular mechanics free energy
Kelly M. Thayer, University of Massachusetts Medical School, USA
Title: Chemical targeting of protein methyltransferases
Matthieu Schapira, University of Toronto, Canada

Coffee Break

Title: A simple additive non-parametric regression method and its application to QSAR
Tatsuya Takagi, Osaka University, Japan
Title: Tumor Liberated Protein (TLP) and human corine in lung cancer cells: Homology or different isoforms in the sequence at the cytoplasmic surface
Giulio Tarro, Temple University, USA
Title: Screening for novel anti-dengue virus NS3/NS2B inhibitor
Norihito Kawashita, Osaka University, Japan
Title: Advanced pharmacophores for accurate virtual screening and identification of opioid lead compounds
Sharon D. Bryant, Inte:Ligand GmbH, Austria

Lunch Break

Title: Human papilloma virus 16 E6 protein as a target for curcuminoids, curcumin conjugates and congeners for chemoprevention of oral and cervical cancers
Ajay Kumar Singh, Amity University, India
Title: Fuzzy neural network and fuzzy ARTMAP analyses of the affinity of inhibitors for HIV-1 protease
Levente Fabry-Asztalos, Central Washington University, USA

Panel Discussion

Poster Presentations

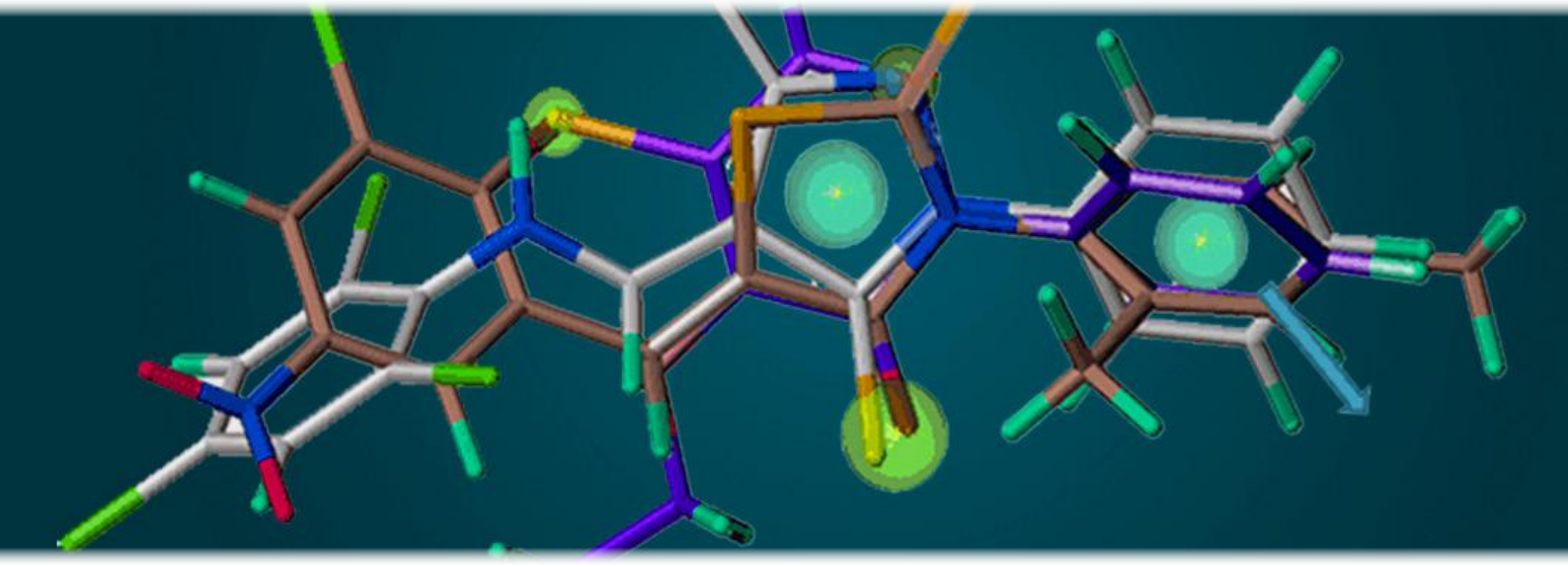
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