Tentative Program

3rd International Conference on

PHARMACEUTICAL CHEMISTRY

December 07-08, 2018 | Brussels, Belgium

Theme: “Recent Advancements, Innovations and future approaches in the fields of Pharmaceutical Chemistry & Drug Discovery process”

**For Available Speaker Slots**

pharmaceuticalchemistry@chemistryconference.org

UK: Conference Series llc LTD
47 Churchfield Road, London, W3 6AY
Email: pharmaceuticalchemistry@pharmaceuticalconferences.org
pharmaceuticalchemistry@annualconferences.org

https://pharmaceuticalchemistry.conferenceseries.com/
Tentative Program

Program at a Glance

**Day 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>General Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00-09.00</td>
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</tbody>
</table>

**Morning Sessions**

- **Reception/Registration**
  - Time: 08.00-09.00
- **Least of 3 Keynote/Plenary Talks**
  - Time: 09.00-09.15
- **Keynote/Plenary Talk 1**
  - Time: 09.15-09.45
- **Keynote/Plenary Talk 2**
  - Time: 09.45-10.15
- **Keynote/Plenary Talk 3**
  - Time: 10.15-10.45

**Panel Discussions/Group Photo**

**Coffee/Tea Break 10.45-11.00 (Networking)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11.00-12.40</td>
<td>5 Speakers (20 Mins Each)</td>
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**Lunch Break 12.40-13.30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>13.30-15.30</td>
<td>6 Speakers (20 Mins Each)</td>
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**Coffee/Tea Break 15.30-15.45 (Networking)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>15.45-17.25</td>
<td>5 Speakers (20 Mins Each)</td>
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**Day 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
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<tr>
<td>09.00-10.40</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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</table>

**Coffee/Tea Break 10.40-10.55 (Networking)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
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<tbody>
<tr>
<td>10.55-12.35</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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**Late afternoon sessions**

<table>
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<th>Time</th>
<th>Event</th>
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<tr>
<td>13.25-15.05</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td>15.20-17.00</td>
<td>5 Speakers (20 Mins Each)</td>
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**Poster Sessions**

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>15.20-17.00</td>
<td>5 Speakers (20 Mins Each)</td>
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</tbody>
</table>

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

For more Details PS: https://pharmaceuticalchemistry.conferenceseries.com/
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pharmaceuticalchemistry@internationalmeets.com | pharmaceuticalchemistryconf@gmail.com

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

Call for Abstract: https://pharmaceuticalchemistry.conferenceseries.com/call-for-abstracts.php
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Abstract Submission: https://pharmaceuticalchemistry.conferenceseries.com/abstract-submission.php
E-Poster: https://pharmaceuticalchemistry.conferenceseries.com/eposter-presentation.php
Glimpses of Pharmaceutical Chemistry Conferences
Glimpses of Pharmaceutical Chemistry Conferences
Major Scientific Sessions

- Pharmaceutical Chemistry Novel Aspects
- Prospectives of Medicinal Chemistry
- Computational Chemistry and Chemical Biology
- Biopharmaceutical and Biologic Drugs
- Natural Products Chemistry
- Protein and Cellular Engineering and Statistical Mechanics
- Green Chemistry in Pharma Industry
- Drug Designing Methodologies
- Drug Delivery techniques
- Drug Discovery and Development
- Advanced Organic Chemistry and Inorganic Chemistry
- Heterocyclic Chemistry
- Drug Formulation / Pharmaceutical formulation
- Pharmaceutical Analysis
- Overview on Pharmaceutical Industry
- Research Studies in Pharmacology
- Pharmaceutical Biotechnology and Tissue Engineering
- Nanomedicine and Nanotechnology
- Clinical and Hospital Pharmacy

Best Poster Award
- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student’s enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates

Young Researchers Forum
- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

General Queries
pharmaceuticalchemistry@chemistryconference.org

Conference Venue
Brussels, Belgium
Best Tourist Destinations in Brussels

- Grand Place
- Atomium
- St. Michael & St. Gudula Cathedral
- Palace of Charles of Lorraine
- Parlamentarium
- Guildhouses
- Autoworld
- Mini-Europe
- Brussels Centre for Fine Arts
# Keynote Forum

**Title:** New potent MKLP2 inhibitors in the paprotrain series with high anticancer activity in vivo: Design, Synthesis and Structure-Activity relationships  
*Catherine Guillou,* University of Paris-Saclay, France

**Title:** Mutagenic Impurities in Pharmaceuticals: ICH M7, Purge Factors and the Mirabilis Project  
*Mark McLaughlin,* Merck Sharp & Dohme, USA

**Title:** From para-aminobenzoic acid to small compounds with multiple biological properties  
*Gervais Bérubé,* Université du Québec à Trois-Rivières, Canada

## Group Photo

**Networking and Refreshments Break**

### Sessions: Drug Discovery and Development | Drug Designing Methodologies | Drug Delivery techniques

**Session Chair:** Catherine Guillou, University of Paris-Saclay, France  
**Session Co-chair:** Zeeshan Ahmad, De Montfort University, UK

**Title:** Isolation and Characterization Active Compound From Endophytic Fungi Onion Dayak {Eleutherineamericana (aubl.) Merr} as Antioxidant Activity  
*Shirly Kumala,* Pancasila University Srengseng Sawah, Indonesia

**Title:** Phosphonate Congeners of Oseltamivir, Zanamivir and Peramivir as Effective Anti-Influenza Drugs  
*Jim-Min Fang,* National Taiwan University, Taiwan

**Title:** Electrical Encapsulation Drug Delivery Techniques  
*Zeeshan Ahmad,* De Montfort University, UK

**Title:** E-BABE- Kinetic binding assays for the analysis of protein–ligand interactions  
*Franz-Josef Meyer-Almes,* University of Applied Sciences Darmstadt, Germany

**Title:** Utilizing eco-friendly nanoparticle techniques in improving drug delivery  
*Shaaban K Mohamed,* Manchester Metropolitan University, UK

**Title:** Synthesis and biological evaluation of novel antimicrobial cell-penetrating cyclic peptides  
*Shaima El-Mowafi,* National Research Centre, Egypt

**Title:** α-Methylacyl-CoA racemase (AMACR): Chemical biology approaches to novel prostate cancer drugs  
*Matthew D Lloyd,* University of Bath, UK

## Lunch Break

### Sessions: Pharmaceutical Chemistry Novel Aspects | Pharmaceutical Analysis | Research Studies in Pharmacology

**Session Chair:** Xianglin Shi, Chemical Process R&D, Biogen Idec, USA  
**Session Co-chair:** Gervais Bérubé, Université du Québec à Trois-Rivières, Canada

**Title:** Peptidomimetic Study on Amyloid Fibril Formation by Alkene-type Dipeptide Isosteres  
*Tetsuo Narumi,* Shizuoka University, Japan

**Title:** Development of Novel Petasis Reaction Methodologies for Efficient and Scalable Synthesis of Biologically Interesting Compounds  
*Xianglin Shi,* Chemical Process R&D, Biogen Idec, USA

**Title:** Inclusion of divergent technologies in future point-of-care devices  
*Johann F. Osma,* Universidad de los Andes, Colombia
Title: Pharmacological Evaluation of Sedative and Hypnotic Activity of Ethyl p-methoxycinnamate and N-hydroxyethyl-p-cinnamamide
Nurmeilis, Syarif Hidayatullah State Islamic University, Indonesia

Title: Analysis of Cathinone and Cathine in Crimson and Green Catha edulis by GC-MS and Determination of The Spermicidal Activity
Azrifiatria, Islamic State University (UIN) Syarif Hidayatullah Jakarta, Indonesia

Title: Differentiation of Bovine and Porcine gelatin in vitamin C gummy by High Performance Liquid Chromatography using Principal Component Analysis
Zilhadia, Syarif Hidayatullah Islamic State University, Indonesia

Networking and Refreshments Break

Sessions: Pharmaceutical Chemistry Novel Aspects | Prospectives of Medicinal Chemistry | Heterocyclic Chemistry | Pharmaceutical Analysis
Session Chair: Mark McLaughlin, Merck Sharp & Dohme, USA
Session Co-chair: Piotr Przybylski, Adam Mickiewicz University, Poland

Session Introduction

Title: Spermicidal and Antifertility Activity of Costus Spiralis Leaf Ethanolic Extract in Male Rats
Azrifiatria, Islamic State University (UIN) Syarif Hidayatullah Jakarta, Indonesia

Title: Synthesis, antibacterial and anticancer potency of new lactone and lactam macrolide derivatives
Piotr Przybylski, Adam Mickiewicz University, Poland

Title: Hydrogen bonding interactions of tris and bis urea and thioureas with cyanide ligand in an analogue of the sub-site of [FeFe]-hydrogenase
Faizah S Aljohani, Taibah University, Saudi Arabia

Title: Method Development and Validation of Lercanidipine in Human Plasma by Liquid Chromatography Tandem-Mass Spectrometry
Yahdiana Harahap, Universitas Indonesia, Indonesia

Title: Synthesis and Discovery of Highly Potent Agents, Trifluoromethyl Containing Heterocycles Against Influenza Virus
Satoshi Mizuta, Nagasaki University, Japan

Panel Discussion

Day 2 October 03, 2017

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Keynote Forum

Title: Novel sensitive sensors of intracellular viscosity and potential anticancer theranostic agents prepared on the porphyrine pigments platform for specifically personalized medicine
Larisa Klapshina, Nizhny Novgorod State University, Russia

Title: Synthesis of indole derivatives through transition metals-catalyzed cyclization of 2-alkynylaniline derivatives.
Fabio Marinelli, University of L'Aquila, Italy

Title: Plant molecules affecting female reproductive functions
Alexander V Sirotkin, Constantine the Philosopher University and Research Institute of Animal Production, Slovakia

Networking and Refreshments Break

Sessions: Computational Chemistry and Chemical Biology | Natural Products Chemistry | Pharmaceutical Analysis
Session Chair: Larisa Klapshina, Nizhny Novgorod State University, Russia
Session Co-Chair: Marco Marazzi, University of Lorraine-Nancy & CNRS, France

Session Introduction

Title: Total Synthesis of Tiacumicin B Aglycone, a DFT-Guided Strategy
Emmanuel Roulland, Université Paris Descartes, France

Title: Automated Drug Design of Kinase Inhibitors to treat Chronic Myeloid Leukemia
Aramice Y S Malkhasian, King Abdulaziz University, Saudi Arabia
Title: DNA photosensitization: Irreversible lesions caused by non-covalent binding with organic dyes  
Marco Marazzi, University of Lorraine-Nancy & CNRS, France

Title: Patent propensity, R&D and market competition: Dynamic spillovers of innovation leaders and followers  
Alvaro Escribano, Universidad Carlos III de Madrid, Spain

Title: An Efficient One Pot Multicomponent synthesis Of Some Novel Substituted Imidazoles using Nano Zirconia Catalyst Under solvent Free Conditions: A Greener “NOSE” approach  
Sundaram Singh, Indian Institute of Technology (BHU), India

Title: Towards improving in drug delivery using Silver nano-techniques  
Shaaban K. Mohamed, Manchester Metropolitan University, UK

Title: Use of Curcumine, a Pharmaceutically Useful Compound in Organic Reactions  
Sangeeta Jagtap, PDEA’s Baburaoji Gholap College, India

Lunch Break

Poster Presentations

Poster Judge: Catherine Guillou, University of Paris-Saclay, France

| PC001 | Title: Nitroxide-modified chitosans with enhanced antioxidant potential  
Vasily Sen, P.G. Demidov Yaroslavl State University, Russian Federation |
| PC002 | Title: N-Aryl Effects on the Catalyst Reactivity of Imidazolylidene in a3→d3-Umpolung  
Addition: Structural Study and Mechanistic Investigation  
Tetsuo Narumi, Shizuoka University, Japan |
| PC003 | Title: Analysis of the polar solvents influence on the mechanism of the inhibited oxidation of unsaturated compounds  
Sergey Lednev, P.G. Demidov Yaroslavl State University, Russian Federation |
| PC004 | Title: Influence of solvation on the mechanism of the hydroperoxide radicals’ addition to the π-bonds of 1,2-and 1,4-diphenylbutadiyne-1,3  
Roman Pliss, P.G. Demidov Yaroslavl State University, Russian Federation |
| PC005 | Title: Mathematical Modelling of polychromatic light photokinetics  
Mohammed Alqarni, De Montfort University, UK |
| PC006 | Title: High-Throughput Screening to identify novel inhibitors of human α-methylacyl-CoA racemase 1A (AMACR; P504S)  
Matthew D. Lloyd, University of Bath, UK |
| PC007 | Title: The secrets and potential of a novel cyclic antimicrobial and cell penetrating peptide  
Margitta Dathe, Leibniz Forschungsinstitute of Molecular Pharmacology, Germany |
| PC008 | Title: Nitroxy radicals as antioxidants against lipid peroxidation: an in vitro study  
Ivan Tikhonov, P.G. Demidov Yaroslavl State university, Russia |
| PC009 | Title: Oxidative stress simulation by radical-chain oxidation of vinyl compounds  
Evgeny Pliss, P.G. Demidov Yaroslavl State University, Russian Federation |
| PC010 | Title: A novel one pot two-step strategy for regio-chemoselective synthesis of new 3-methyl6-arylpyridazine-4-carboxamides and 5-oxo-3-aryl-5,6-dihdropyridolo[4,3-c]pyridine-8-carbaldehydes  
Ali Aghaye Lotf va Ata, Urmia University, Iran |
| PC011 | Title: Synthesis of some novel 2-(substituted thio)-N-(5-methyl-4-phenylthiazol-2-yl) acetamide and anticancer activity evaluation  
Asaf Evrim EVREN, Anadolu University, Turkey |
| PC012 | Title: Synthesis of some novel N-(6-substituted benzothiazole-2-yl)-2-(4-substituted piperazin-1-yl)asemamide derivatives and evaluation their anticancer activity  
Büsra EKSELLI, Anadolu University, Turkey |
| PC013 | Title: Conjugated nitroalkenes in reactions with azomethine imines: Synthesis of tetrahydropyrazolo[1,2-ajpyrazolone derivatives  
Nikolay S Zimnitskiy, Ural Federal University, Russia |
PC014  Title: An optimized process for supercritical CO2 extraction of high-value components from Artemisia annua L for cosmetic applications
Rosana M Alberici Oliveira, University of Campinas –UNICAMP, Brazil

PC015  Title: Fingernails: Development and validation of a rapid and sensitive method for quantification of cocaine by LC-ESI-MS/MS
Heliara Nascimento, ThomSon Mawss Spectrometry Laboratory-UNICAMP, Brazil

Sessions: Computational Chemistry and Chemical Biology | Heterocyclic Chemistry | Pharmaceutical Analysis
Session Chair: Vladislav Yu Korotaev, Ural Federal University, Russia
Session Co-Chair: Daisuke Yamamoto, Kitasato University, Japan

Title: Manganese-catalysed hydroperoxidation of carbon-carbon double bonds using molecular oxygen present in air and hydroxylamine under ambient conditions
Daisuke Yamamoto, Kitasato University, Japan

Title: Synthesis And Molecular Docking Of Novel Non-Cytotoxic, Anti-Angiogenic Sulfonyl Coumarin Derivatives Against Hepatocellular Carcinoma Cells In Vitro
Eslam EL-SAWY, National Research Centre, Egypt

Title: 3-Nitro-2-(trihalomethyl)-2H-chromenes in Reactions with 1,3-Dipoles: Synthesis and Cytotoxic Activity of D3-Annulated Chromane Derivatives
Vladislav Yu Korotaev, Ural Federal University, Russia

Title: Computational modeling of Cu@furfural imine-decorated Linateosites as the efficient catalyst in regioselective synthesis of triazoles
Tayebeh Hosseinnejad, Alzahra University, Iran

Title: Structural studies of the novel antibacterial target MraY and its interaction with the natural inhibitor compound tunicamycin
Gisela Brändén, University of Gothenburg, Sweden

Title: Synthesis and screening of ursolic acid-benylidine derivatives as potential anti-cancer agents
Wajaht Amin Shah, University of Kashmir, India

Networking and Refreshments Break
Poster Presentations
Poster Judge: Xianglin Shi, Chemical Process R&D, Biogen Idec, USA

PC016  Title: Rapid and sensitive method for simultaneous determination of first-line anti-tuberculosis drugs in human plasma by HPLC-MS/MS: Application to therapeutic drug monitoring
Shouhong GAO, Shanghai Changzheng Hospital, China

PC017  Title: Homology modeling of different leismanolysin (gp63) from leishmania spp. and molecular docking of flavonoids
Jairo Mercado-Camargo, Universidad de Cartagena, Colombia

PC018  Title: An in silico approach to discovering inhibitors of trypanothione reductase from leishmania (viannia) panamensis
Leonor Cervantes-Ceballos, Universidad de Cartagena, Colombia

PC019  Title: In vitro evaluation of cytotoxicity and leishmanicidal activity of terpenes isolated from the leaves of malachra alceifolia
Harold Gómez-Estrada, Universidad de Cartagena, Colombia

PC020  Title: Cascade approach to modification of lactone macrolide antibiotics
Krystian Pyta, Adam Mickiewicz University, Poland

PC021  Title: Sizing α, β and Υ Cyclodextrins by Capillary Electrophoresis and Indirect UV Detection
Yin Zhou, The University of British Columbia, Canada

PC022  Title: Novel Quinazoline Derivative as RAF Inhibitor
Shih-Chieh Yen, Development Center for Biotechnology, Institute of Pharmaceutics, Taiwan
PC023  Title: Determination of heavy metal(PB) content in mineral water produced in IRAN by Flameless Atomic Absorption Spectroscopy (FAAS)  Rasoul Kazemi, Azad University, Iran

PC024  Title: Synthesis of novel Spiro dipyrazolo[3,4-b: 4',3'-e]pyridine  Bahman Ebrahim Saatlu, University of Urmia, Iran

PC025  Title: DBU/H$_2$O as an Efficient, Eco-friendly and Inexpensive Catalyst for Transesterification and Transacylation Reactions  Elaheh Akbarzadeh, Islamic Azad University, Iran

PC026  Title: Ab initio and DFT study of energetic, stability, and nuclear magnetic resonance of BN nanotube  Elham Pournamdari, Islamic Azad University, Iran

PC027  Title: In vitro antiproliferative, antioxidant, and apoptosis-inducing activities of dried flower buds of clove extract on human gastric carcinoma  Ali Karimi, Shahrekord University of Medical Sciences, Iran

PC028  Title: Synthesis and cytotoxic properties of new derivatives of dicarboximides  Mariola Napiórkowska, Medical University of Warsaw, Poland

PC029  Title: Discovery of novel aryl hydrocarbon receptor (AhR) antagonists using homology modelling and ligand-based drug design  Carlos Henrique Tomich de Paula da Silva, University of São Paulo, Brazil

Day 3  October 04, 2017

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Sessions: Pharmaceutical Chemistry Novel Aspects | Prospectives of Medicinal Chemistry | Drug Designing Methodologies | Pharmaceutical Analysis

Session Chair: Francisco Alonso, Universidad de Alicante/ Instituto de Síntesis Orgánica, Spain
Session Co-Chair: Alexander V. Sirotkin, Constantine the Philosopher University and Research Institute of Animal Production, Slovakia

Session Introduction

Title: Copper nanoparticles in organic synthesis  Francisco Alonso, Universidad de Alicante/ Instituto de Síntesis Orgánica, Spain
Title: Rational Design and Synthesis of Innovative RNA Ligands to Target HCV Internal Ribosome Entry Site  Mauro Safir Filho, Universite Côte d’Azur, France
Title: Synthesis of 5,6-Diaryl-1,2,4-triazine derivatives with ethyl acetate moiety as novel neuroprotective agents against H2O2 and Aβ-induced neurotoxicity  Hamid Irannejad, Mazandaran University of Medical Sciences, Iran

Networking and Refreshments Break

Title: PELE Studio: The next generation drug design software  Victor Guallar, Barcelona Supercomputing Center, Spain
Title: Chemical constituents from the rhizomes of Curcuma zedoaria and assessment of their biological activities  Omer Abdalla Ahmed Hamdi, Alneelain University, Sudan
Title: Inorganic Pharmaceuticals: DNA-binding and anticancer activity of new compound  Sartaj Tabassum, King Saud University, Saudi Arabia
Title: Inhibition of immunodeficiency type-1 virus (HIV-1) life cycle by magnetic water  Mandana Behbahani, University of Isfahan, Iran
Title: Synthesis of new series of pyrazolo[3,4-b][1,6]naphthyridine in presence of nano-Al2O3  Fatemeh Majidi Arlan, University of Urmia, Iran
Title: Protective effect of green synthesis gold nanoparticles (AuNPs) from Pulicaria undulata on the amyloid formation in α-lactalbumin
Arezou Ghahghaei, University of Sistan and Baluchestan, Iran

Title: Determination of Glimepiride in Pharmaceutical Formulations Using HILIC
Yuegang Zuo, University of Massachusetts Dartmouth, USA

Title: Very fast and surprisingly accurate GIAO-mPW1PW91/3-21G//PM7 scaling factor for 13C NMR chemical shifts calculation
Fabio Luiz Paranhos Costa, Federal University of Goiás, Brazil

Bookmark your dates

3rd International Conference on Pharmaceutical Chemistry

October 22-24, 2018 | Athens, Greece

E-mail: pharmaceuticalchemistry@pharmaceuticalconferences.org; pharmaceuticalchemistry@conferenceseries.net
Website: pharmaceuticalchemistry.conferenceseries.com
Scientific Program
Day 1  September 05, 2016

Room 8

Registrations

Conference Series

Opening Ceremony

Keynote Forum

Title: The enterprise of drug discovery from an academic perspective: from concept to practice
Stephen Hanessian, University of California, USA
Title: A new synthetic methodology for pharmaceutical chemistry
Valery Charushin, Ural Federal University, Russia

Networking and Refreshment Break

Sessions:
Drug Discovery and Therapy | Flow Chemistry
Session Chair: Wei Li, University of Tennessee Health Science Center, USA
Session Co-Chair: Naofumi Hashimoto, Setsunan University, Japan

Session Introduction

Title: Discovery of novel tubulin inhibitors and their synergy with BRAF inhibitors for malignant melanoma
Wei Li, University of Tennessee Health Science Center, USA
Title: Different targeting possibilities using nanoparticles
Sylvia Wagner, Fraunhofer Institute for Biomedical Engineering, Germany
Title: Photodynamic therapy and imaging based on tumor-targeted nanoprobe, pHpMA-conjugated zinc protoporphyrin, and its augmentation
Jun Fang, Sojo University, Japan
Title: Preparation of nanocrystal formulation to improve oral absorption of mebendazole
Naofumi Hashimoto, Setsunan University, Japan
Title: Perspectives of antifungal drug discovery
Josef Jampilek, Comenius University, Slovakia
Title: Effect of Octyl Salicylate with respect to the physical appearance of mono/di capric and caprylic fatty acids Formulations
Siti Salwa Abd Gani, Universiti Putra Malays, Malaysia

Session Introduction

Title: Synthesis of new Indan-1-one-piperazine derivatives as anticholinesterase agents
Yusuf Özkay, Anadolu University, Turkey
Title: New approaches for tyrosinase inhibitors: mannnich bases of kojic acid derivatives
Mutlu Dilisiz Aytemi, Hacettepe University, Turkey
Title: From simple chemical building blocks to biological active molecules
Raffaello Mancuso, University of Calabria, Italy
Title: Development of xanthines as adenosine A2A receptor selective antagonists: a systematic approach towards novel nondopaminergic therapy for Parkinson's disease
Ranju Bansal, Panjab University, India
Title: Enzyme-catalyzed reactions
Devrim ÖZDEMIRHAN, Abant Izzet Baysal University, Turkey

Sessions:
Prospectives of Pharmaceutical Chemistry | Advanced Organic Chemistry | Drug Discovery and Therapy | Molecular Stereochemistry
Session Chair: Alexander Cobb, University of Reading, UK
Session Co-Chair: Vânia André, Universidade de Lisboa, Portugal

Session Introduction

Title: Enzyme-catalyzed reactions
Devrim ÖZDEMIRHAN, Abant Izzet Baysal University, Turkey
Networking and Refreshment Break

**Title: New asymmetric organocatalytic methods towards the synthesis of molecules of biological interest**
Alexander Cobb, University of Reading, UK

**Title: Enantioselective, short and efficient approaches to the synthesis of drugs and biologically active compounds**
Satyendra Kumar Pandey, Thapar University, India

Panel Discussion
Day 2 September 06, 2016

Room 8

Keynote Forum

**Title: Across the blood-brain barrier: Nanoparticles**
Jörg Kreuter, Johann Wolfgang Goethe-University, Frankfurt, Germany

**Title: Promising clinical outcome of HPMA-polymer conjugated-pirarubicin (THP)[P-THP], which exerts three steps for cancer selective delivery**
Hiroshi Maeda, Sojo University, Japan

Networking and Refreshment Break

Sessions:

**Drug Design and Drug Delivery | Heterocyclic Chemistry Compounds**

Session Chair: Paulo Roberto Ribeiro Costa, Universidade Federal do Rio de Janeiro, Brazil

Session Co-Chair: Chunduri Venkata Rao, Sri Venkateswara University, India

**Session Introduction**

**Title: Synthesis and biological activities of 2-chloronicotinaldehyde based novel functionalized heterocyclic compounds**
Bhimapaka China Raju, CSIR-Indian Institute of Chemical Technology, India

**Title: Discovery of small molecule dna g-quadruplex stabilizing agents: design, synthesis and biological studies**
Mrinalkanti Kundu, TCG Lifesciences Pvt. Ltd., INDIA

**Title: Development of thienopyrimidines as potential pharmaceuticals**
Chunduri Venkata Rao, Sri Venkateswara University, India

**Title: Synthesis and biological evaluation of new carbaisoflavonoids with Anti-HCV activity**
Paulo Roberto Ribeiro Costa, Universidade Federal do Rio de Janeiro, Brazil

**Title: Discovery of novel 2-thio-imidazole derivatives as potent and orally efficacious TGR5 receptor agonists**
Sameer Agarwal, Zyusd Research Centre, Cadila Healthcare Ltd., India

**Title: Design, synthesis and pharmacological evaluation of some novel de-rivatives of 1-[(3-(furan-2-yl)-5-phenyl-4,5-dihydro-1,2-oxazol-4-yl)methyl]-4-methyl piperazine**
Gita Chawla, Hamdard University, India

Lunch Break

Sessions:

**Heterocyclic Chemistry Compounds | Green Chemistry**

Session Chair: Asunción Barbero, University of Valladolid, Spain

Session Co-Chair: Matthias D’hooghe, Ghent University, Belgium

**Session Introduction**

**Title: Development of piperazine derivatives as potential cognition enhancers**
Poonam Piplani, Panjab University, India

**Title: Synthesis of oxygen and nitrogen heterocycles with potential pharmaceutical properties**
Asunción Barbero, University of Valladolid, Spain

**Title: Synthesis docking studies and biological evaluation of some novel 1,2,4-triazolo[3,4-b][1,3,4]thiadiazole tagged thieno[2,3-d]pyrimidine derivatives**
Settypalli Triloknadh, Sri Venkateswara University, India

**Title: One pot condensation reaction of heterocyclic amine, 1, 3– diketone and an aldehydes using in situ generated superoxide ion: a rapid synthesis of structurally diverse drug- like complex heterocycles**
Sundaram Singh, Department of chemistry IIT(BHU), India
<table>
<thead>
<tr>
<th>Title</th>
<th>Poster Presentations</th>
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| **Title:** Application of small-ring azaheterocyclic building blocks for the synthesis of pharmaceutically relevant nitrogen compounds  
Matthias D’hooghe, Ghent University, Belgium |  
**Title:** BioMOFs – Exploring nalidixic acid metal organic networks envisaging pharmaceutical applications  
Vânia André, Universidade de Lisboa, Portugal |
| **Title:** Sustainable synthesis via the integration of membranes in chemical reactions  
Dominic Ormerod, Flemish Institute for Technological Research (VITO NV), Belgium |  
**Video Presentation by Donna J. Nelson,** President of American Chemical Society, USA |
| **Networking and Refreshment Break** | |
| **Poster Presentations** | |
| **PCH001** | **Title:** Synthesis, molecular docking study and in vitro biological activity of carbohydrate-based peptidomimetics targeting neuropilin-1  
Nadia Pellegrini-Moïse, Université de Lorraine, France |
| **PCH002** | **Title:** [18F]Fluoro-C-glycosides to radiolabel peptides for PET imaging  
Sandrine Lamandé-Langle, Université de Lorraine, France |
| **PCH003** | **Title:** In vivo and in vitro anti-inflammatory activities of two chromones isolated from Dictyoloma vandelianum  
Luíza C. F. Opretzka, Federal University of Bahia, Brazil |
| **PCH004** | **Title:** Dynamic kinetic asymmetric transformations with hard nucleophiles: Cyclopentenes for anti tuberculosis and antibiotics  
Hadia Almahli, University of Oxford, UK |
| **PCH005** | **Title:** Synthesis and biological evaluation of novel pyrrolo[2,3-d]pyrimidine derivatives as breast anti cancer  
Khalid Hilmy, Monufya University, Egypt |
| **PCH006** | **Title:** The role of circulating serum resistin, serum amyloid A and C-reactive protein as potential risk factors for development of type 2 diabetes mellitus  
Esmat Bauomi Ali Shahin, Al-Azhar University, Egypt |
| **PCH007** | **Title:** Water Soluble Platinum(II) Complexes: GLUT mediated cytotoxic properties and selective tumor targeting  
Ran Liu, Tianjin University, P. R. China |
| **PCH008** | **Title:** Synthesis of novel disubstituted oxadiazole derivatives and antimicrobial activity  
Serkan Levent, Anadolu University, Turkey |
| **PCH009** | **Title:** Synthesis Of new donepezil analogues and evaluation of their cholinesterase inhibitory activity  
Begüm Nurpelin Saglık, Anadolu University, Turkey |
| **PCH010** | **Title:** New Benzimidazole-Hydrazones as MAO Inhibitors  
Ozgur Devrim Can, Anadolu University, Turkey |
| **PCH011** | **Title:** Structure, intermolecular and photoinduced intramolecular hydrogen bonding in 2-azolylmethylidene cycloalkanones  
Mark Sigalov, Ben-Gurion University of the Negev, Israel |
| **PCH012** | **Title:** Synthesis and anticonvulsant activities of Novel 1-Phenyl/1-(4-chlorophenyl)-2-(1H-triazole-1-yl)ethyl ester derivative compounds  
Irem Bozbey, Inonu University, Turkey |
| **PCH013** | **Title:** Synthesis of some new benzaldehydezalone derivatives and evulation of their AChE inhibitory activity in vitro  
Ömer Faruk ÇÖL, Gazi University, Turkey |
| **PCH014** | **Title:** Structure-antibacterial activity relationships of N-substituted-(D/L-alaninyl) 1H-1,2,3-triazolyl oxazolidinones  
Oludotun A. Phillips, Kuwait University, Kuwait |
| **PCH015** | **Title:** Synthesis and anticholinesterase effects of new 2-substituted benzothiazole derivatives  
Ümide Demir Özkapı, Anadolu University, Turkey |
| **PCH016** | **Title:** Anticarcinogenic effect of coadministration of α-β unsaturated compounds and quercetin  
Gabriela Carrasco Torres, CINVESTAV, México |

**Panel Discussion**

**Day 3**  
**September 07, 2016**
# Room 8

## Keynote Forum

**Title:** Anticancer agents used in traditional Chinese medicine that target prohibitins and the translation initiation factor eIF4a  
_Laurent Désaubry_, CNRS-Strasbourg University, France

**Title:** Simultaneous extraction and determination of four different groups of pharmaceuticals in compost using optimized ultrasonic extraction and ultrahigh pressure liquid chromatography–mass spectrometry  
_Miguel Ángel López Zavala_, Tecnologico de Monterrey, Mexico

## Sessions:

<table>
<thead>
<tr>
<th>Technologies in Natural Products</th>
<th>Pharmacology Studies</th>
<th>Modern Analytical Techniques</th>
</tr>
</thead>
</table>
| **Session Chair:** Flavio S P Cardoso, Libbs Pharmaceuticals, Brazil  
**Session Co-Chair:** Anna M Waszkielewicz, Jagiellonian University Medical College, Poland |  |  |

### Session Introduction

**Title:** Activity of some phenoxyalkyl- and phenoxyethoxyethylamine derivatives on the central nervous system  
_Ana M Waszkielewicz_, Jagiellonian University Medical College, Poland

**Title:** Design, synthesis, and validation of an in vitro platform peptide-whole cell screening assay using MTT reagent  
_Sahar Ahmed_, Assiut University, Egypt

**Title:** Application of in situ FTIR for the preparation of 17-α-estradiol via Mitsunobu reaction  
_Flavio S P Cardoso_, Libbs Pharmaceuticals, Brazil

**Title:** A novel stability-indicating LC method for determination of avanafil  
_Nafiz Oncu Can_, Anadolu University, Turkey

**Title:** The antimutagenic activity of selected medicinal plants from Jordan  
_Karem Alzoubi_, Jordan University of Science & Technology, Jordan

**Title:** Drug chimerism as a fusion of two anticancer chemotherapeutics into one entity: Discovery of potent molecular chimera CM358 for treatment of metastatic melanoma  
_Gary Gellerman_, Ariel University, Israel

**Title:** Phytochemical constituents from garcinia atroviridis  
_Wen-Nee Tan_, Universiti Sains Malaysia, Malaysia

### Panel Discussion

### Award & Closing ceremony

### Lunch Break

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**2nd International Conference on Pharmaceutical Chemistry Conference**

**October 05-07-2017  Valencia, Spain**

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Website: pharmaceuticalchemistry.conferenceseries.com
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Pharmaceutics & Novel Drug Delivery Systems
March 16-18, 2015   Crowne Plaza, Dubai, UAE

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Email: pharmaceutica@pharmaceuticalconferences.com; ndds@pharmaceuticalconferences.com
**Keynote Forum**

| Introduction | R N Saha  
| BITS Pilani Dubai Campus, UAE |
| Alex Nivorozhkin | Neo-Advent Technologies LLC., USA |

| Networking & Refreshments Break |
| Khaled Mohamed Hosny  
| King Abdulaziz University, Kingdom of Saudi Arabia |
| Peter Karpinski  
| Novartis Pharmaceuticals Corp., USA |

**Track 3: Recent Technologies in Novel Drug Delivery Systems**

**Session Chair:** R N Saha, BITS Pilani Dubai Campus, UAE

**Session Co-Chair:** Luisa Fiandra, Luigi Sacco University Hospital, Italy

| Session Introduction |
| Title: A novel and simple technique for separation of liposomes from unloaded drug molecules |
| Vignesh Muthuvijayan, Indian Institute of Technology Madras, India |

| Lunch Break |
| Title: Block copolymers of poly(N-2-hydroxypropyl methacrylamide) and poly(propylene glycol)–the way to inhibit P-glycoprotein? |
| Alena Braunova, Institute of Macromolecular Chemistry AS CR, Czech Republic |

**Track 4: Nanotechnology in Drug Delivery Systems**

**Session Chair:** Robert Pola, Institute of Macromolecular Chemistry AS CR, Czech Republic

**Session Co-Chair:** Luisa Fiandra, Luigi Sacco University Hospital, Italy

| Session Introduction |
| Title: Polymer drug carriers with enhanced penetration into tumor cells |
| Robert Pola, Institute of Macromolecular Chemistry AS CR, Czech Republic |

| Lunch Break |
| Title: Composite Poly(methyl methacrylate)/Poly(ethylene glycol) electrospun nanofibrous mats as a novel wound dressing for controlled release of an Anti-scarring agent |
| Malihe-Sadat Poormasjedi-Melbod, University of British Columbia, Canada |

**Workshop**

**Title: Controlled Drug Delivery Systems: Recent Challenges and Opportunities Ahead**

**Title: Bioactive peptides: Complex structures, synthesis and their controlled drug delivery**

| Title: Guar gum revisited: Potential carrier for targeted drug delivery systems |
| Saurabh Dahiya, Apeejay Stya University, India |

| Panel Discussion |
| Day 2 March 17, 2015 |
### Keynote Forum

**Husam M Younes**  
Qatar University, Qatar

**B B Barik**  
Jazan University, Kingdom of Saudi Arabia

### Track 2: Formulation Aspects for Various Routes of Drug Administration

**Session Chair: Naglaa G Ahmed**, Dubai Pharmacy College, UAE

### Track 7: Major Challenges in Drug Delivery System

**Session Chair: B B Barik**, Jazan University, Kingdom of Saudi Arabia

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<tr>
<td>Gloveless robotic technologies in aseptic manufacturing for high potent active pharma ingredients</td>
<td>Sergio Mauri, Fedegari Group, Italy</td>
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<td>Oral formulations of Metformin in semi-solid matrices: Design, characterization &amp; in vitro evaluations</td>
<td>Husam M Younes, Qatar University, Qatar</td>
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<tr>
<td>Hepatoprotective and antihepatotoxic drugs from plant sources</td>
<td>Naglaa G Ahmed, Dubai Pharmacy College, UAE</td>
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<tr>
<td>Small animal models of osteoarthritis: Understanding drug bio-distribution, activity, safety, therapeutic effects and mechanisms of action</td>
<td>Mohamed Kappar, University of Toronto, Canada</td>
</tr>
<tr>
<td>Mitigating risks associated to auto-injector applications</td>
<td>Robert Schultheis, ZebraSci Inc., USA</td>
</tr>
<tr>
<td>Chitosan nanoparticles - Challenges for antibiotic drug delivery using Penicillin as a model drug</td>
<td>B B Barik, Jazan University, Kingdom of Saudi Arabia</td>
</tr>
<tr>
<td>Challenges facing liposomal delivery of Vancomycin for combating bacterial biofilm on abiotic surfaces</td>
<td>Nawal Khalafallah, Alexandria University, Egypt</td>
</tr>
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### Track 1: Pre-formulation Considerations for Conventional Dosage Form Development

**Session Chair: Mazzucchelli Serena**, Luigi Sacco University Hospital, Italy

**Session Chair: Maha Aboul-Ela**, Beirut Arab University, Lebanon

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<td>Phytotherapeutic potentials of selected Middle East natural products</td>
<td>Maha Aboul-Ela, Beirut Arab University, Lebanon</td>
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<tr>
<td>Determination of Ticagrelor chemical stability and characterization of its degradants</td>
<td>Hassane Sadou Yaye, University Paris Sud, France</td>
</tr>
<tr>
<td>Evaluation of three chitin metal silicate co-precipitates as a potential multifunctional single excipient in tablet formulations</td>
<td>Faisal Al-Akayleh, Petra University, Jordan</td>
</tr>
<tr>
<td>Novel anti-microbial drugs based on mixed ligand zinc(II) complexes with bioactive carboxylates and nitrogen-donor ligands; Synthesis, structure and biological properties</td>
<td>H Abu Ali, Birzeit University, Palestine</td>
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### Track 4: Nanotechnology in Drug Delivery Systems

**Session Chair: Tomas Etrych**, Institute of Macromolecular Chemistry AS CR, Czech Republic

**Session Chair: Ramesh S Kashi**, Merck and Co. Inc., USA

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<td>Polymer based delivery systems for efficient tumor therapy</td>
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### Poster Presentations PNDDS 01 - PNDDS 20

*Poster Presentations PNDDS 01 - PNDDS 40 @ Jumeirah Ballroom-3*

### Day 3 | March 18, 2015

**Jumeirah Ballroom-3**

### Track 6: Recent Advances in Targeted Drug Delivery System

**Session Chair: Tomas Etrych**, Institute of Macromolecular Chemistry AS CR, Czech Republic
**Session Chair: Ramesh S Kashi**, Merck and Co. Inc., USA

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### Networking & Refreshments Break

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<td>Indian Institute of Technology (Banaras Hindu University), India</td>
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<td>Menyfah Al Anazi</td>
<td>Ministry of National Guard Health Affairs, Kingdom of Saudi Arabia</td>
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**Lunch Break**

**Young Researchers Forum**

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<tr>
<td>Mucus permeating SMEDDS containing thiolated compounds</td>
<td>Julia Rohrer</td>
<td>University Innsbruck, Austria</td>
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<tr>
<td>Thiolated silicone oils as novel skin care agents with enhanced adhesiveness and reinforced occlusivity</td>
<td>Alexandra Partenhouse</td>
<td>Leopold-Franzens-University, Austria</td>
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<tr>
<td>Characterisation of nanostructured lipid carriers loaded with Ibuprofen</td>
<td>Blanka Suto</td>
<td>University of Szeged, Hungary</td>
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<tr>
<td>Thiolated poly(aspartic acid) polymers in ophthalmic therapy</td>
<td>Gabriella Horvat</td>
<td>University of Szeged, Hungary</td>
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<tr>
<td>Controlled, delivery of Metronidazole and Doxycycline from polycaprolactone matrices designed for the intravaginal treatment of pelvic inflammatory disease</td>
<td>Meenakshi Pathak</td>
<td>The University of Queensland, Australia</td>
</tr>
<tr>
<td>Microscopic evaluation of novel topical formulation for treatment of Arthritis</td>
<td>Mohit Bhagrat</td>
<td>Chitkara University, India</td>
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**Networking & Refreshments Break**

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<td>Utility of modified locust bean gum for dissolution improvement of poorly soluble drug</td>
<td>Kanav Midha</td>
<td>Chitkara University, India</td>
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<tr>
<td>pH sensitive Calcium Carbonate-encapsulated Copper bis-(8-hydroxyquinoline) drug delivery system for cancer therapy</td>
<td>Anjala Bulathige</td>
<td>University of Peradeniya, Sri Lanka</td>
</tr>
<tr>
<td>Lipid complexed nanocrystals - A safe approach in development of stable nanoparticulates (in vitro and in vivo) for effective drug delivery</td>
<td>Sajeev Kumar B</td>
<td>Jawaharlal Nehru Technological University, India</td>
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**Panel Discussion**

**Award Ceremony**

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### Keynote Forum

**Introduction**

**Davis L Ford**  
Texas A&M University, USA  

**Ashok Kumar Ray**  
CSIR-National Metallurgical Laboratory, India  

**Mileva Radonjic**  
Louisiana State University, USA  

**S S Amritphale**  
CSIR-Advanced Materials and Processes Research Institute, India

### Track 1: Processing Technologies

**Session Chair:** Ildenize Barbosa da Silva Cunha, University of Campinas, Brazil  
**Session Co-Chair:** Bushra Al-Duri, University of Birmingham, UK

- **Title:** Novel methods for upgrading heavy petroleum products  
  **Russell R Chianelli,** University of Texas at El Paso, USA

- **Title:** Mass Spectrometry: A pioneer and renewed tool for petrochemical analysis  
  **Ildenize Barbosa da Silva Cunha,** University of Campinas, Brazil

- **Title:** Ethylene–vinyl acetate copolymer-based depressants in marine fuels  
  **Nataliya Kondrasheva,** The National Mineral Resources University, Russia

- **Title:** Heterogeneity of fine grained sediment and its hydrocarbon generation and expulsion: An case from Dongying depression  
  **Chen Zhonghong,** China University of Petroleum, China

- **Title:** High performance oxygen carriers for chemical looping combustion process by using architectural structure of silica nanoparticles  
  **Yujing Liu,** Swiss Federal Laboratories for Materials Science and Technology, Switzerland

- **Title:** Further work on energy-return-on-energy-invested  
  **J C Jones,** Kazakh-British Technical University, Kazakhstan

### Track 2: Petroleum Exploration & Field Management

**Session Chair:** Ildenize Barbosa da Silva Cunha, University of Campinas, Brazil  
**Session Co-Chair:** Bushra Al-Duri, University of Birmingham, UK

- **Title:** Plasma processing of fossil fuels  
  **Alexandr Ustimenko,** Research Institute of Experimental and Theoretical Physics, Kazakhstan

- **Title:** Production of furans (2,5 dimethylfuran) from furfurals (Hydromethoxyfurfural-HMF) as transport fuel molecules  
  **Bushra Al-Duri,** University of Birmingham, UK

- **Title:** Highly active nano-dispersed Ruthenium catalyst for efficient oxidation of p-cymene and cumene C-H bond by molecular oxygen  
  **Peter R Makgwane,** Council for Scientific Industrial Research, South Africa

- **Title:** The Ural-African transcontinental oil & gas belt  
  **Valentin Stepanov,** The National Mineral Resources University, Russia

---

**Coffee Break:** @ Atrium

**Lunch Break:** @ Atrium
Title: Surfactants and other factors input for the control of the reservoir interfacial tension (IFT)
M.S Benzagouta, University Larbi Ben Mhidi OEB, Algeria

Title: Pore volume compressibilities and stress sensitivity of low permeability reservoir rocks in China’s oilfield development
Sun He, China University of Petroleum, China

Title: Selective propping of high conductivity fractures
David Dogon, Eindhoven University of Technology, Netherlands

Title: Equilibrium calculations in aqueous carbonation of oil shale waste – sulfur compounds
Kadriann Tamm, Tallinn University of Technology, Estonia

Coffee Break @ Atrium

Track 3: Drilling & Well Completions Challenges
Track 4: Piping and vessel engineering & Transport Phenomena

Session Chair: Byoung Yoon Park, Sandia National Laboratories, USA
Session Co-Chair: Arya Shahdi, Islamic Azad University, Iran

Title: Interbed modeling to predict wellbore damage for big hill strategic petroleum reserve
Byoung Yoon Park, Sandia National Laboratories, USA

Title: Performance investigation of an experimental shale shaker in filtration of low concentration slurry
Saeid Ghanizadeh Benis, The University of Akron, USA

Title: A robust modeling approach for frictional pressure loss calculation of three phase flow in inclined eccentric annuli
Arya Shahdi, Islamic Azad University, Iran

Title: Study on gas hydrate blocking mechanism and precaution in wellbore of deep water drilling
Xiangfang Li, China University of Petroleum, China

Title: Inhibitive properties comparison of different polyetheramines in water-based drilling fluid
Hanyi Zhong, China University of Petroleum, China

Title: A new understanding on low permeability oilfield development
Tang Wei, Research Institute of Petroleum Exploration and Development (RIPED) of CNPC, China

Cocktails Sponsored by: Journal of Petroleum & Environmental Biotechnology @ Atrium

Day 2
October 28, 2014

Tropicana Ball Room

Track 5: Chemical Applications in Producing Oil and Gas
Track 6: Coal & Natural Gas
Track 7: Challenges and Safety in Petrochemical Industry
Track 8: Energy Economics

Session Chair: Ahmed El-Nahas, El-Menoufia University, Egypt
Session Co-Chair: Xi Liu, Cardiff University, UK

Title: Nanoparticle stabilized emulsions and foams for EOR and LNG spill mitigation
Zhengdong Cheng, Texas A&M University, USA

Title: Development of porous radiant burners for domestic LPG cooking and industrial applications
P Muthukumar, Indian Institute of Technology Guwahati, India

Title: Porous media for improved polymer electrolyte membrane fuel cells
Aimy Bazylak, University of Toronto, Canada

Title: Use of sulfide/phosphate based sorbents for mercury removal from natural gas: A focus on the Hg stabilization
Carla Luciane Manske Camargo, Federal University of Rio de Janeiro, Brazil

Title: Experimental investigation of polymer adsorption-induced permeability reduction in low permeability reservoirs
Hyemin Park, Hanyang University, Korea

Title: First-principles analysis on enzymatic degradation of nylon
Yasuteru Shigeta, University of Tsukuba, Japan

Coffee Break @ Atrium
Title: Effect of miscibility condition for CO$_2$ flooding on gravity drainage in 2D vertical system  
Jinju Han, Hanyang University, Korea  

Title: Thermodynamic and kinetic hydrate inhibition performance of MEG solution and its synergistic inhibition with PVCap  
Yutaek Seo, Korea Advanced Institute of Science and Technology, Korea  

Title: Dearomatization of straight-run diesel fuel by using adsorbents under magnetic field  
Irana Safarii Almas, Institute of Petrochemical Processes of Azerbaijan NAS, Azerbaijan  

Title: The use of an ultrasonic technology to increase the productivity of oil wells  
Anna Abramova, Institute of General and Inorganic Chemistry of the Russian Academy of Sciences, Russia  

Title: Experimental study of pulverized coal oxycombustion and modelling of devolatilization kinetics  
Romain Lemaire, Université Lille Nord de France, France  

Title: The investigation of catalytic activity of polyoxide catalysts on the base of fiberglass in the reaction of carbon dioxide conversion of methane  
Z A Mansurov, Institute of Combustion Problems, Kazakhstan  

Title: LES and RANS of pulverized coal oxy-combustion in swirl burners  
Andrzej Boguslawski, Czestochowa University of Technology, Poland  

Title: Applicability of non-exhaustive extraction procedures using Tenax® and HPCD to estimate biodegradable contaminant fractions in soil  
Kerstin Derz, Fraunhofer Institute for Molecular Biology and Applied Ecology, Germany  

Title: E-Neutron scattering studies of catalyst systems at the ISIS neutron spallation Source  
Martin Owen Jones, Oxford University, UK  

Title: Avoiding gas hydrate problems in Qatar oil and gas industry: Environmentally friendly solvents for gas hydrate inhibition  
Nabila Mohamed, Qatar University, Qatar  

Title: In situ transesterification of wet activated sludge under subcritical conditions  
Lan Nguyen Phuong Tran, National Taiwan University of Science and Technology, Taiwan  

Title: The development of the methods for processing and using of oil sands as the alternative hydrocarbon feedstock  
Sultanov F, Al-Farabi Kazakh National University, Kazakhstan  

**Track 9: Renewable Energy & Feedstock**  
**Session Chair: Abdallah S Berrouk**, The Petroleum Institute, UAE  
**Session Co-Chair: Stella Bezergianni**, Centre for Research & Technology Hellas, Greece  

Title: Fast pyrolysis of lignin  
Hilkka Kenttamaa, Purdue University, USA  

Title: Photosynthetic bioenergy utilizing CO$_2$: An approach on flue gases utilization for third generation biofuels  
Roberto Parra Saldivir, Monterrey Institute of Technology and Higher Education, Mexico  

Title: Decarbonization of transportation fuels via co-hydroprocessing bio-based feedstocks with petroleum fractions  
Stella Bezergianni, Centre for Research & Technology Hellas, Greece  

Title: Evaluation of methylic and ethylic biodiesels from Pequi oil (Caryocar Brasiliense Camb.) as possible diesel substituents  
Marcelo Firmino de Oliveira, Universidade de Sao Paulo, Brazil  

Title: Combustion heat release models of biodiesels  
Abdullah Abuhabaya, King Abdulaziz University, Saudi Arabia  

Title: Biodiesel production from Acrocomia aculeata acid oil by (enzyme/enzyme) hydroesterification process: Use of vegetable lipase and fermented solid as low-cost biocatalysts  
Erika Cristina G Aguiéiras, Federal University of Rio de Janeiro, Brazil  

Title: Drying of energy wood by compression  
Tuomas Hakonen, Seinäjoki University of Applied Sciences, Finland  

Title: Thermochemistry and kinetics of bioalcohols and bioesters as fossil fuel alternatives. Ab initio and DFT studies  
Ahmed El-Nahas, El-Menoufia University, Egypt  

Title: Thermogravimetric study of powdered laboratory safety examination gloves  
Nasrollah Hamidi, South Carolina State University, USA
Title: Fischer-Tropsch synthesis reaction in a novel reactor system of cobalt catalyst coated metallic foam and heat-exchanger type reactor
Jung-Il Yang, Korea Institute of Energy Research, Korea

Title: Study of solvent recovery in solvent deasphalting process
Seonju Ahn, Korea University, South Korea

Title: Reforming of methane with carbon dioxide
Kusman Dossumov, Al-Farabi Kazakh National University, Kazakhstan

Title: Green synthesis of Fe nanoparticles for chromate removal
Christiana Mystrioti, National Technical University of Athens, Greece

Title: Investigation of hexavalent chromium removal from polluted soil using electroremediation
Aikaterini Toli, National Technical University of Athens, Greece

Title: Selective viscosifying for conformance control
Joris van Santvoort, Eindhoven University of Technology, The Netherlands

Title: Fracture flow control
Boaz van der Plas, Eindhoven University of Technology, The Netherlands

Title: Vapor-liquid equilibria of the binary system 2-methylfuran + 1-butanol, present in the production of 2,5-dimethylfuran from biomass
Luis A Follegatti-Romero, University of Campinas, Brazil

Title: Production of a solid enzymatic preparation by Rhizomucor miehei from a low-cost agroindustrial residue
Jaqueline Greco Duarte, Federal University of Rio de Janeiro, Brazil

Title: Electrical, optical and structural properties of Ga-Al doped ZnO/Copper/Ga-Al doped ZnO multilayer electrode for thin film solar cells
Kyung Hwan Kim, Gachon University, Republic of Korea

Title: Determination of boiling point of petrochemicals by gas chromatography-mass spectrometry and multivariate regression analysis of structural activity relationship
Sayo Fakayode, North Carolina A&T State University, USA

Title: Feedback control over the chlorine disinfection process at a wastewater treatment plant using a smith predictor, a method of characteristics and odometric transformation
Feridun Demir, Osmaniye Korkut Ata University, Turkey

Title: CFD and process simulations of air gasification of plastic wastes in a conical spouted bed gasifier
Abdallah S Berrouk, The Petroleum Institute, UAE

Cocktails Sponsored by: Journal of Chemical Engineering & Process Technology @ Atrium
Title: Modelling approaches for the estimation of irreducible water saturation and heterogeneities of the commercial Ashtart reservoir from the Gulf of Gabès, Tunisia
Fatma Taktak, UMS University, Dubai

Title: Liquid phase oxidation of cyclohexane using supported novel metals: Catalytic oxidation or autoxidation?
Xi Liu, Cardiff University, UK

Title: Mathematical modelling of the aqueous phase reforming of sorbitol
Joseph Zeaiter, American University Beirut, Lebanon

Coffee Break @ Atrium

Title: Fixed-bed catalytic wet peroxide oxidation of phenol with titania and Au/titania catalysts in dark
Miron Landau, Ben-Gurion University of the Negev, Israel

Title: Process simulation-based optimization of a commercial amine gas sweetening unit
Abdallah S Berrouk, The Petroleum Institute, UAE

Title: The features of structural transformations of asphaltenes molecules during hydro conversion of vacuum residue in the presence of nanosized molybdenum disulfide particles
Olga Zaitceva, Gubkin Russian University of Oil and Gas, Russia

Title: New catalysts for biodiesel of 1st and 2nd generation
Wolfgang F Hoelderich, TCHK Holderich-Consultancy, Germany

Title: Foamability and foam stability of several surfactants solutions: The role of salinity and oil presence
Abdulrahman AlQuraishi, King Abdulaziz City for Science and Technology, Saudi Arabia

Title: A four coefficient model for extending the heptanes-plus fraction for gas condensate systems
Raffle Hosein, The University of The West Indies, West Indies

Lunch Break @ Atrium

Track 11: Chemical Reaction Engineering & Applications
Track 12: Processing Technology & Separation Techniques
Track 15: Reservoir Engineering

Session Chair: Romain Lemaire, Université Lille Nord de France, France
Session Co-Chair: Erik Von Harbou, University of Kaiserslautern, Germany

Session Introduction

Title: Operational behavior and reforming kinetics over Ni/YSZ of a planar type pre-reformer for SOFC systems
Van Nhu Nguyen, Forschungszentrum Jülich GmbH, Germany

Title: Analysis of oil sands bitumen pyrolysis based on thermogravimetry and Py-GC/MS
Sangcheol Shin, Korea University, South Korea

Title: Tuning photocatalytic activity of carbon-based assembles by their morphology and surface functionalization
Grigoriy A Sereda, University of South Dakota, USA

Title: Non-equilibrium modelling of simulated moving bed processes for separation of Xylenes in petrochemical industry
Ahmet R Ozdural, Hacettepe University, Turkey

Title: Morphological analysis and optimisation of heterogeneously catalysed reactive distillation of complex chemical systems
Erik Von Harbou, University of Kaiserslautern, Germany

Title: Experimental investigation of the transport mechanism of several gases during the CVD post-treatment of nanoporous membranes
Anastasios Labropoulos, NCSR Demokritos, Greece

Coffee Break @ Atrium

Title: Novel hydrophilic and oleophobic hollow fiber membrane for effective and low fouling oil/water separation applications
Renbi Bai, National University of Singapore, Singapore

Title: Experimental analysis of the sooting tendency of different oxygenated molecules used as additives in a diesel surrogate
Romain Lemaire, Université Lille Nord de France, France

Title: Coarse-grained simulations of Multiphase distribution in porous media, with application for oil and gas hydrates
David Wu, Colorado School of Mines, USA

Title: Behavior of oxidative amorphous alloy Co72Nb24B4 on catalytic cracking of methanol to olefin production
Luciano Nascimento, University Pernambuco-UFPE, Brazil

Title: Use alloy quasicrystalline Al62Cu25Fe12.5 for steam reforming of methanol
Lourdes Cristina Lucena Agostinho Jamshidi, University Pernambuco-UFPE, Brazil
Title: Enhanced oil recovery by injection of nanoemulsion systems
Tereza Neuma de Castro Dantas, Federal University of Rio Grande do Norte, Brazil

Title: Multivariable constrained predictive control of main steam temperature in ultra-supercritical coal-fired power unit
Shi-He Chen, Guangdong Electric Power Research Institute, China

Award Ceremony @ Tropicana Ball Room

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Track 1: Rational Drug Designing

Session Chair: Victor J Hruby, University of Arizona, USA
Session Co-Chair: Alexander Heifetz, Evotec (UK) Ltd., UK

Title: Design and investigation of multivalent ligands for the detection and treatment of diseases
Victor J Hruby, University of Arizona, USA

Title: Structure-based drug discovery for GPCRs: From receptors to ligands
Alexander Heifetz, Evotec (UK) Ltd., UK

Title: DNA-binding polyamides designed against E1, E2 binding sites of HPV DNA show dramatic anti-HPV activity in cell and tissue culture
James K Bashkin, University of Missouri-St. Louis, USA

Title: Structure-guided design, synthesis, and evaluation of guanine-derived inhibitors of the eIF4E mRNA-cap interaction
Xiaoqi Chen, Amgen, USA

Lunch Break @ Carol & Patio

Title: The design and discovery of CXCR4 chemokine receptor antagonists through incorporation of GPCR-MedChem based fragments
Larry Wilson, Emory University and Emory Institute for Drug Development, USA

Title: Understanding the essential requirements for success in structure-based design
Gregory L Warren, OpenEye Scientific Software, USA

Title: Site Identification by Ligand Competitive Saturation (SILCS): Computational approach for the identification and optimization of ligands targeting proteins, RNA and other macromolecules
Alexander D MacKerell, University of Maryland, USA

Title: Computer-aided design of glucokinase activators
Meihua Tu, Pfizer, USA

Title: Non-competitive regulation of the human proteasome by natural products and natural product inspired scaffolds
Jetze J Tepe, Michigan State University, USA

Coffee Break @ Foyer

Title: Rational design approaches to find novel ligands targeting the aryl hydrocarbon receptor: successful applications and mechanistic studies
William H Bisson, Oregon State University, USA

Title: Modulations of protein-protein interactions of EGF-Rs: Structure, inhibition, dynamics and its implications in breast cancer
Seetharama D. Satyanarayana, University of Louisiana at Monroe, USA

Title: Development of new antibiotics by targeting essential enzymes in bacteria: Structure-based design and simulation studies
Concepción González-Bella, Universidad de Santiago de Compostela, Spain

Title: Design and synthesis of novel pyrimidone analogues as HIV-1 integrase inhibitors
Guiseon Zhao, Shandong University, China

Title: Synthesis and anti-candida activity evaluation of new [1,2,4] triazolo[3,4-b][1,3,4] thiadiazines
Mashhoq Ahmad Bhat, King Saud University, Kingdom of Saudi Arabia

Title: Newer approaches to the discovery of glitazones
Praveen Thangipppe, Krishnamurthy, JSS College of Pharmacy, India

Track 2: Computer-Aided Drug Design and Structure Determination

Session Chair: Istvan J Enyedy, Biogen Idec, USA
Session Co-Chair: Nicolas Moitessier, McGill University, Canada

Title: New approaches to “Hit” optimization
Istvan J. Enyedy, Biogen Idec, USA

Title: Accurate binding site models can be derived from low quality PDB files using an empirical geometry based force field
Colin McMartin, Thistletree, USA

Title: Integrating computational approaches into high throughput screening for rational drug discovery
Colin McMartin, Thistletree, USA

Title: Using side-chain models derived from atomic resolution X-ray crystallography to enforce force fields which can predict global energy minimum geometries
Regine S Bohacek, BostondeNovo, USA

Lunch Break @ Carol & Patio

Title: Forecaster: A computational tool for drug design and discovery developed by experimentalists for experimentalists
Nicolas Moitessier, McGill University, Canada

Title: Genes to Leads: A rational structure guided lead discovery technology that works for both enzymes and protein-protein interaction targets
Kal Ramnarayan, Sapient Discovery, LLC, USA
Title: Discovery of highly-potent and selective inhibitors for the ABCG2 transporter
Achene Boumedjel, Université Joseph Fourier de Grenoble, France
Title: Predictive application of bioisostere transformations to identify novel high quality compound ideas
Matthew Segall, Optibrium Ltd., UK
Title: Novel sildenafil analogues: Possible drugs for increased sensitivity to chemotherapeutic agents
Aina Westheim Ravna, University of Tromso, Norway

Title: Structural insights of SIR2 proteins from T. cruzi as promising targets to fight against Chagas disease
Alessandra Nurioso, University of Geneva-University of Lausanne, Switzerland
Title: Stratification of surface lysine residues of bovine testicular hyaluronidase on the base of its 3D structure model: Computer aided drug designing of chondroitin sulphate modified enzyme derivative
Alexander V. Maksimenko, Institute of Experimental Cardiology, Russia

Coffee Break @ Foyer

Cocktails Sponsored by Medicinal Chemistry @ Foyer

Day 2 October 16, 2013
Salon B

Track 3: Quantitative Structure-Activity Relationships
Track 4: Drug Development and Delivery System
Track 5: Drug Discovery
Track 6: Drug Interactions
Track 7: Pharmacognosy

Session Chair: Tatsuya TAKAGI, Osaka University, Japan
Session Co-Chair: Cesar M Compadre, University of Arkansas for Medical Sciences, USA

Title: In Silico screening for anti-HPV agents using docking studies
Tatsuya TAKAGI, Osaka University, Japan
Title: The development of the tocotexols, a series of novel vitamin E analogues with enhanced bioavailability
Cesar M Compadre, University of Arkansas for Medical Sciences, USA
Title: New polymeric “ruthenium-cyclopentadienyl” complexes for drug delivery in cancer therapy
Andreia Valente, Universidade de Lisboa, Portugal
Title: Unraveling the human multidrug resistance p-glycoprotein poly-specificity
Pierre Falson, Institute of Biology and Chemistry of Proteins, France

Coffee Break @ Foyer

Title: PK modulation of haptenylated peptides via non-covalent antibody complexation
Stefan Dengl, Roche Diagnostics GmbH, Germany
Title: Tumour active plant derived compounds in combination with targeted therapy towards overcoming drug resistance in ovarian cancer
Fazlul Huq, The University of Sydney, Australia
Title: Designed monofunctional platinum(II) complexes found to have significant antitumor activity
Laia Arzuman, The University of Sydney, Australia
Title: A phytochemical and biological investigation of aloe grandidentata salm.-Dyck
Taghreed Abdou Ibrahim, King Saud University, Saudi Arabia
Title: Docking guided QSAR study on a series of N-acetamideindolecarboxylic acid derivatives acting as HCV NS 5B polymerase inhibitors
Vaiashali M. Patil, Bharat Institute of Technology, India

Coffee Break @ Foyer

Title: Discovery of a first-in-class topically bioavailable kit inhibitor with clinical activity using computational chemogenomics technology
James Hendrix, nPharmakon LLC, USA
Title: Discovery of a small molecule directed keep 1-Nf2 inhibitor as an anti-oxidant inflammation modulator
Magesh Sadagopan, Otsuka Maryland Medicinal Laboratories, Inc., USA
Title: Can cubane act as a benzenz isostere?
Craig M Williams, University of Queensland, Australia
Title: Research and development on novel antimutant agents: Preparation, evaluation, and mechanism of low-molecular-weighted phospha sugar derivatives as IER5/Cdc25B targeted antitumor agents
Mitsui YAMASHITA, Shizuoka University, Japan
Title: Modulators of FGF-FGFR-Heparan sulfate complex: identifications of allosteric antagonists and oligosaccharide agonists as potential novel therapeutics
Gilbert Lassalle, Université Joseph Fourier de Grenoble, France
Title: Chemistry, bioactivity, and computational prediction of binding modes for sarsalenene and capnosane diterpenes as PTP1B inhibitors from the hainan soft coral Sarcopteryx trochoelaphorum marenzeller
Yue-Wei Guo, Shanghai Institute of Materia Medica, China

Lunch Break @ Carol & Patio

Title: Discovery of a highly-potent and selective inhibitor for the ABCG2 transporter
Ana Isabel Tomas, Universidade de Lisboa, Portugal
Title: Design, synthesis and anti-diabetic, cardiomyopathy studies of cinnamic acid-α amino acid hybrid analogs
Subir Samanta, Birla Institute of Technology, India
Title: Synthesis and screening of newer quinazolin-3(h)-4-one derivatives for anticonvulsant activity
Jayasekhar P Nair, Eotvos Lorand University, Hungary
Title: Novel structural elements for drug discovery: Identification, synthesis and application
Aina Westrheim Ravna, The University of Tromso, Norway

Coffee Break @ Foyer

Title: On the field of metallodrugs-new ruthenium compounds as anti-tumor agents
Ana Isabel Tomas, Universidade de Lisboa, Portugal
Title: Design, synthesis and anti-diabetic, cardiomyopathy studies of cinnamic acid-α amino acid hybrid analogs
Subir Samanta, Birla Institute of Technology, India
Title: Synthesis and screening of newer quinazolin-3(h)-4-one derivatives for anticonvulsant activity
Jayasekhar P Nair, Eotvos Lorand University, Hungary
Title: Novel structural elements for drug discovery: Identification, synthesis and application
Aina Westrheim Ravna, The University of Tromso, Norway

Track 12: Recent Research and Developments

Session Chair: John Spencer, University of Sussex, UK
Session Co-Chair: Carsten Detering, BioSolveIT Inc, USA

Title: Synthesis and evaluation of some novel thiazolidinedione derivatives as PPAR-α/γ dual agonist
Praveen Thaggikkuppe Krishnamurthy, JSS College of Pharmacy, India
Title: Unleash the power of the amygdala: How to incorporate MedChem know-how early on in the CADD lead optimization phase
Carsten Detering, BioSolveIT Inc, USA
Title: Drug discovery: Hit to lead, lead to possible clinical candidates-development of androgen receptor down-regulating agents for the treatment of castration resistant prostate cancer
Purushottamachar Puranik, University of Maryland School of Medicine, USA
Title: Synthesis of privileged structure libraries for biological evaluation
John Spencer, University of Sussex, UK

Coffee Break @ Foyer
### Title: Design, synthesis and pharmacological evaluation of novel hybrid compounds to treat sickle cell disease symptoms

Jean Leandro Dos Santos, State University of Sao Paulo, Brazil

**Title:** Evaluation of serum levels of cadmium and lead in occupationally exposed painters with administration of probiotic (*Lactobacillus pentosus kca 1*) supplemented yogurt: A pilot study

Osadolor H. B, University of Benin, Nigeria

**Title:** Lipid pattern in serum of patients with type 2 diabetes mellitus

Ashur S Eljamali, Tripoli University, Libya

**Title:** What can we expect from new therapeutic strategies in nano-pharmacology and nano-medicine?

Hans-Christian Siebert, Research Institute for Bioinformatics and Nanotechnology (Ri-8-NT), Germany

**Title:** Mitochondria specific antioxidants and their derivatives in the context of the drug development for neuro degeneration and cancer

Gjumrakch Aliiev, GALLY International Biomedical Research Consulting LLC, USA

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**Poster Presentations @ Carol & Patio**

Cocktails Sponsored by Drug Designing: Open Access @ Foyer

**Day 3**

**October 17, 2013**

**Salon A**

**Track 10: Receptors and Inhibitors**

**Session Chair:** Prabagaran Narayanasamy, University of Nebraska Medical Center, USA

**Session Co-Chair:** Xiang-Qun (Sean) Xie, University of Pittsburgh, USA

**Session Introduction**

**Title:** The Hsp90 C-terminal binding site, instructions for and ramifications of inhibition

Brian S. J. Blagg, The University of Kansas, USA

**Title:** Inhibition of prostanoid receptor EP2: A novel anti-inflammatory therapy for chronic neurodegenerative and autoimmune diseases

Thota Ganesh, Emory University School of Medicine, USA

**Title:** Selective vitamin K2 biosynthesis inhibitors to treat non-replicating *Mycobacterium tuberculosis*

Michio Kurosu, University of Tennessee Health Science Center, USA

**Title:** Inhibitors of fatty acid amide hydrolase (FAAH): SAR and results in pre-clinical pain models

J. Guy Breitenbucher, Dart Neuroscience LLC, USA

**Coffee Break @ Foyer**

**Title:** Discovery of novel bicyclic derivatives to stop the growth of *mycobacterium tuberculosis* by Inhibiting MenA

Prabagaran Narayanasamy, University of Nebraska Medical Center, USA

**Title:** The synthesis of potential inhibitors of panthothenate synthetase

Kellie L Tuck, Monash University, Australia

**Title:** Design and synthesis of inhibitors of cysteine protease

Debatosh Majumdar, Glycosyn LLC, USA

**Title:** Inward rectifier potassium channels as emerging drug targets

Jerod S. Denton, Vanderbilt University School of Medicine, USA

**Title:** Identification of a new class of SUMO specific protease 2 inhibitors utilizing structure based virtual screening approach

Ashutosh Kumar, Zhang Initiative Research Unit, RIKEN, Japan

**Title:** Are D-neurons and trace amine-associated receptor, Type 1 involved in mesolimbic dopamine hyperactivity of schizophrenia?

Keiko Ikemoto, Fukushima Medical University, Japan

**Lunch Break @ Carol & Patio**

**Title:** Harnessing human N-type Ca2+ channel receptor by identifying the atomic hotspot regions for its blocker design

C. Gopi Mohan, Amrita Vidyapeeth University, India

**Title:** Discovery of small molecule inhibitors of protein-protein interactions using DNA-encoded chemical libraries

Niels Jakob Vest Hansen, Vipergen ApS, Denmark

**Title:** Post-marketing surveillance of active pharmaceutical ingredients in antimalarial drugs used in Malawi

Ibrahim Chikowe, University of Ghana, Ghana

**Award Ceremony**

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**Keynote Forum**

**Introduction**

Guy M. Genin  
Washington University, USA

Alex V. Vasenkov  
CFD Research Corporation, USA

Eugene P. Goldberg  
University of Florida, USA

Stephen J Beebe  
Old Dominion University, USA

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### Track 2: Materials Science & Engineering

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| **Title:** Accelerated material design  
Alex V. Vasenkov, CFD Research Corporation, USA | **Title:** Energy of slip nucleation and transmission at grain boundaries  
Michael D. Sangid, Purdue University, USA | **Title:** Thermo-Mechanical large deformation responses of an aluminum alloy processed by Equal Channel Angular Pressing (ECAP)  
Muneer Baig, King Saud University, Kingdom of Saudi Arabia |
| **Title:** Simple models for plastic deformation and slip avalanches: From crystals to bulk metallic glasses to granular materials  
K. A. Dahmen, University of Illinois, USA | **Title:** The materials science of powder sorbents for CO₂ capture at high temperatures  
Steven J Milne, University of Leeds, UK | **Title:** Mechanical large deformation responses of an aluminum alloy processed by Equal Channel Angular Pressing (ECAP)  
Muneer Baig, King Saud University, Kingdom of Saudi Arabia |
| **Title:** Plasticity improvement of Zr-based Bulk Metallic Glasses (BMGs) by laser treatment  
P. K. Liaw, The University of Tennessee, USA | **Title:** Homogeneity measures in functionally graded materials  
Jerzy Ratajski, Koszalin University of Technology, Poland | **Title:** Mechanical large deformation responses of an aluminum alloy processed by Equal Channel Angular Pressing (ECAP)  
Muneer Baig, King Saud University, Kingdom of Saudi Arabia |
| **Title:** Electronic and phonon ransport in bulk quantum dot engineered semiconductors  
Pierre F. P. Poudeu, University of Michigan, USA | **Title:** Structural and dielectric characterization of Nickel-Cobalt oxide nanocomposite  
Raveendran R, Nanoscience Research Laboratory, India | **Title:** Mechanical large deformation responses of an aluminum alloy processed by Equal Channel Angular Pressing (ECAP)  
Muneer Baig, King Saud University, Kingdom of Saudi Arabia |
| **Title:** High throughput tribometer for friction, wear, and adhesion measurements  
Vivek Kalihari, The Dow Chemical Company, USA | **Title:** Determination of the mechanical properties of carbide composites by spherical instrumented indentation  
Fjodor Sergejev, Tallinn University of Technology, Estonia | **Title:** Mechanical large deformation responses of an aluminum alloy processed by Equal Channel Angular Pressing (ECAP)  
Muneer Baig, King Saud University, Kingdom of Saudi Arabia |

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**Conference Series**

Room: Versailles B  
Day 1, October 21, 2012  
Day 2, October 22, 2012
Title: Evolution of Nickel Silicide contacts in Silicon nanowires during thermal cycling  
Alex Katsman, Israel Institute of Technology, Israel

Title: Fixed-free single walled Boron Nitride nanotube based mass sensor  
S. P. Harsha, Indian Institute of Technology Roorkee, India

Track 4: Biophysics & Systems Biology
Track 5: Engineering Physics

Title: Mechanical and electrical interactions between cardiomyocytes and cardiac myofibroblasts in a model of fibrotic remodeling  
Guy M. Genin, Washington University, USA
Title: Biophysics models and applications in the study of polysaccharides  
Antonio Peramo, University of Michigan, USA

Title: Aerosols hand book  
Lev Ruzer, Lawrence Berkeley National Laboratory, USA
Title: Modulation of the mechanical response of biomolecular complexes by the dynamics of applied tension  
Ruxandra I. Dima, University of Cincinnati, USA

Title: Ultrashort laser modification of transparent materials: Synergy of excitation/relaxation kinetics, thermodynamics, and mechanics  
Nadezhda M. Bulgakova, University of Southampton, UK
Title: Pulse power ablation of melanoma and hepatocellular carcinoma with nanosecond pulsed electric fields  
Stephen J Beebe, Old Dominion University, USA
Title: Management of heavy metals in ground water- A case study  
Sampath kumar M. C, B.M.S College of Engineering, India

Cocktail: Sponsored by Journal of Material Sciences & Engineering

Day 2  
October 23, 2012

Registrations

Versailles B

Track 1: Nanotechnology & Nanoscience

Title: Atomistic simulations of peptide unfolding and translocation by AAA+ biological nanomachines  
George Stan, University of Cincinnati, USA
Title: Application of cellulose nanobiocomposite coating in fruits  
Kelen Cristina dos Reis, Universidade Federal de Lavras, Brazil
Title: Green-Nanotechnology based smart composite for structural integrity monitoring  
Mohamed Saafi, University of Strathclyde, UK
Title: Shape-dependent oriented scaffolding of plasmonic nanoparticles by topological defects for colloidal dimer self-assembly in liquid crystals  
Ivan I. Smalyukh, University of Colorado at Boulder, USA

Title: Electric tweezers  
Donglei (Emma) Fan, University of Texas at Austin, USA

Coffee Break

Title: Thermosensitive magnetic nanostructured media for hyperthermia and bioimaging  
Karen S. Martirosyan, University of Texas at Brownsville, USA
Title: Fabrication and characterization of well-defined organic nanopillar arrays on surfaces  
Hai-Feng Frank Ji, Drexel University, USA
Title: Fibronectin adsorption on electronically nanostructured biomaterial surfaces  
Andreas Kortge, University of Rostock, Germany
Title: Structural complexity at nanoscale: From single nanoparticle to membrane  
Xiao-Min Lin, Center for Nanoscale Materials, USA
Title: Prospects for engineering semiconductor nanowire materials for optoelectronics  
Harry E. Ruda, University of Toronto, Canada
Title: Lateral energy transfer in thin film quantum dot induced via plasmonic effects  
Seyed M. Sadeghi, University of Alabama, USA

Lunch Break

Title: p-Type conduction in ZnO nanowires from Sb-Decorated Head-to-Head basal plane inversion domain boundaries  
Andrew B. Yankovich, University of Wisconsin Madison, USA
Title: Real-Time probing of nanophase evolution in solutions  
Yugang Sun, Center for Nanoscale Materials, USA
Title: The ionic liquid effect on the preparation of epoxy-silica nanocomposites  
Henri S. Schrekker, UFRGS, Brazil
Title: Influence of quality factor on the dynamics of single walled carbon nanotube based mass sensor  
Anand Y Joshi, G.H.Patel College of Engineering & Technology, India
Title: High temperature nanophotonics: Controlling the flow of thermal radiation  
V. Rinnerbauer, Massachusetts Institute of Technology, USA

Title: Controlled GeSi nanoislands: Fabrication and properties  
Zhenyang Zhong, Fudan University, China

Title: Nanocomposite alternatives to rare-earth permanent magnets  
Everett E. Carpenter, Virginia Commonwealth University, USA

Title: Engineered nanopores for protein detection  
Liviu Movileanu, Syracuse University, USA

Title: Synthesis and characterization of anti-microbial Ag-TiO₂ nano composite particles and their coatings onto 3-D filters  
Cansu Noberi, Yildiz Technical University, Turkey

Title: Natural rubber with gold nanoparticles: Estimation of the amount of nanoparticles in a sample using wavelet transforms  
Alexandre Siqueira, Unesp, Brazil

Panel Discussion

Coffee Break

Breakout

Track 3: Biomaterials & Biomedical Materials
Track 8: Nonlinear Dynamics and Chaos

Title: Biopolymer-Cell implants and injectable gels for CNS Repair  
Eugene P. Goldberg, University of Florida, USA

Title: Use of biomaterials for delivery of chemotrophic proteins in the central nervous system  
Elisa Tamariz, Universidad Veracruzana, Mexico

Title: Understanding role of length scale and temperature in indentation induced creep and thermal behavior of Si based materials  
VikasTomar, Purdue University, USA

Title: Polyoxometalate (POM) nanocluster- Induced phase transition in phospholipid biomembranes  
Y. Elaine Zhu, University of Notre Dame, USA

Title: Next generation polymer nanocomposite electrolytes for lithium ion batteries  
Haleh Ardebili, University of Houston, USA

Coffee Break

Title: Radiopaque polymeric microspheres for clinical applications  
Ketie Saralidze, Maastricht University, Netherlands

Title: Modal damping as index of structural quality  
Sofia Panteliou, University of Patras, Greece

Title: The next generation of controlled drug delivery devices based on Micro-Electro-Mechanical-Systems (MEMS) and novel integration of biomaterials  
Noel M. Elman, Massachusetts Institute of Technology, USA

Title: Mora tree (Maclura tintorea) leaves as a component in polymer  
Svetlana Nikolaeva, Costa Rica's National University, Costa Rica

Title: Sulfonated poly (indene) and PVDF hybrid polyelectrolyte polymer membranes for use in fuel cells  
Deyse Elisabeth Ortiz Suman Carpenter, University of Blumenau, Brazil

Panel Discussion

Lunch Break

Poster Presentations

B2B meetings

Cocktail: Sponsored by Journal of Material Sciences & Engineering

Day 3  
October 24, 2012

Versailles B

Registrations

Track 6 : Atomic and Nuclear Physics
Track 7 : Optics
Track 9 : Advances in Instrumentation and Techniques
Track 10: Materials Chemistry

Session Introduction

Title: Enhancement and recovery in atomic force microscopy images  
Alex Chen, University of North Carolina, USA

Title: Smart materials design in non-linear optics for telecommunications  
Jacqueline M. Cole, University of Cambridge, UK
Bookmark your dates

2nd International Conference and Expo on

Materials Science & Engineering

October 15-17, 2013 Las Vegas, USA

Title: Hollow sphere of copper oxide microparticle prepared by free template and low temperature hydrothermal method
Kanda Wongwailikhit, Rangsit University, Thailand

Coffee Break

Title: Spin polarized current in Graphene pumped by a THz-Signal
Aziz N. Mina, Beni-Suef University, Egypt

Title: Enhancement of washfastness of the Lemongrass oil treated mosquito repellent Nylon nets by air plasma pretreatment
Hasabo A Muhammad Ahamed, Africa City of Technology, Sudan

Title: Structural, optical, photoconductivity and humidity sensing properties of biocomposite doped Cobalt oxide
Udaya Aruldoss, Anna University, India

Panel Discussion

Lunch Break