Day 1 November 05, 2018

Conference Hall: Peninsula I & II

08:30-08:45 Registrations

08:45-09:15 Opening Ceremony

Keynote Forum

09:15-09:55	**Title: One pot hierarchically porous carbon fixed bed catalysts** **Martin G Bakker,** University of Alabama, USA
09:55-10:35	**Title: Catalysis using transition metal chalcogenides for energy conversions** **Hyoyoung Lee,** Sungkyunkwan University, Korea

Panel Discussion

Group Photo 10:35-10:40

Networking & Refreshment Break 10:40-11:00 @ Peninsula Foyer

11:00-11:40	**Title: An up to date review on heterogeneous catalysis by metal oxides** **Jacques C Vedrine,** Sorbonne University, France
11:40-12:20	**Title: Microcrylaq™: A new way to implement quantum computation algebraic calculations in a 3D logical space for the discovery of a novel chemical antagonist against the two crizotinib resistant ALK mutations, G1202R and F1174C in a Microcrylaq™ Lindenbaum-Tarski based QSAR automating modeling lead compound design approach** **Ioannis Grigoriadis,** Biogenea Pharmaceuticals Ltd, Greece

Sessions: Energy Conversion, Biocatalysis and Biotransformation | Chemical Reactions | Catalysis for Chemical Synthesis | Electro Catalysis | Medicinal Chemistry and Drug Discovery | Structure-Based Drug Design, Virtual Screening

Session Chair: Martin G Bakker, University of Alabama, USA

Session Co-chair: Ram K Gupta, Pittsburg State University, USA

Session Intoduction

12:20-12:50	**Title: Nanostructured metal chalcogenides: Efficient electrocatalysts for water splitting applications** **Ram K Gupta,** Pittsburg State University, USA

Panel Discussion

Lunch Break 12:50-13:50 @ Peninsula Foyer

13:50-14:20	**Title: Carbon dioxide capture and catalytic conversion to added value products through the use of different alkaline ceramics** **Heriberto Pfeiffer,** National Autonomous University of Mexico, Mexico
14:20-14:50	**Title: Fe-zeolites as hybrid adsorbents catalysts for siloxane removal in biogas upgrading** **Alba Cabrera Codony,** University of Girona, Spain
14:50-15:20	**Title: Synthesis of platinum sub-nano catalyst using a dendrimer reactor** **Kimihisa Yamamoto,** Tokyo Institute of Technology, Japan
15:20-15:50	**Title: Renewable jet fuel range hydrocarbons production from biomass derived α-tetralone via vapour phase hydrodeoxygenation: Catalytic effect of mesoporous Pt-Ni/HPW-SBA-16** **Pandurangan Arumugam,** Anna University, India

Panel Discussion

Networking & Refreshment Break 15:50-16:10 @ Peninsula Foyer

16:10-16:40	**Title: Tumor activated prodrugs of the glutamine antagonist 6-Diazo-5-oxo-L-norleucine (DON) with improved therapeutic index** **Rana Rais,** Johns Hopkins Drug Discovery, USA
16:40-17:10	**Title: Evaluation of an inverse molecular design algorithm in a model binding site for the *in silico* design of a *YEATS2* gene blockador for the depletion of *YEATS2* and its interactions between YEATS domain and acetylated histones for the reduction of the ATAC complex-dependent H3K9ac promoter levels targeting to the deactivation of the essential NSCLC genes** **Ioannis Grigoriadis,** Biogenea Pharmaceuticals Ltd, Greece

Panel Discussion

Day 2 November 06, 2018

Conference Hall: Peninsula I & II

Keynote Forum

09:00-09:40	**Title: Broad-range DNase inhibitors as new drugs for amelioration of toxic acute kidney failure** **Alexei G Basnakian,** University of Arkansas for Medical Sciences, USA
09:40-10:20	**Title: Use of high surface area of mesoporous materials for high purity hydrogen production** **Sujitra Wongkasemjit,** Chulalongkorn University, Thailand

Panel Discussion

Group Photo 10:20-10:25

Networking and Refreshment Break 10:25-10:45 @ Peninsula Foyer

10:45-11:25	**Title: Prediction of serious adverse events using machine learning** **Tatsuya Takagi,** Osaka University, Japan
11:25-12:05	**Title: A quantum mechanical AMBER compatible algebraic *in silico* discovery of the Microcrylaq™ multi-epitope mimic poly pharmacophore targeted to the G719S/T790M double mutant for the regulation of drug sensitivities caused by distinct non-small cell lung cancer-associated epidermal growth factor receptor mutations** **Ioannis Grigoriadis,** Biogenea Pharmaceuticals Ltd, Greece

Sessions: Advanced Medicinal Chemistry | Drug Chemistry | Cancer Studies: Drug Delivery Chemistry Kinetics and Catalysis | Environmental and Green Catalysis | Photo Catalysis and Nano Catalysis

Session Chair: Tatsuya Takagi, Osaka University, Japan

Session Co-chair: Alexei G Basnakian, University of Arkansas for Medical Sciences, USA

Session Intoduction

12:05-12:35	**Title: Catalytic behavior of Cr(III) Schiff base complex intercalated layered double hydroxide for selective oxidation of ethylbenzene to acetophenone** **Savita Khare,** Devi Ahilya University, India

Panel Discussion

Lunch Break 12:35-13:35 @ Peninsula Foyer

13:35-14:05	**Title: From classical model catalysts to liquid metal alloys** **Christian Papp,** University Erlangen, Germany

Poster Presentaitons 14:05-14:50

Poster Judge: **Tatsuya Takagi,** Osaka University, Japan

P 01	**Title: Study of the best *Trichoderma reesei* support for hydrolysis of cellulose** **Kurizara Sayamnikorn,** Chulalongkorn University, Thailand
P 02	**Title: Fast pyrolysis of GVL-lignin extracted from softwood** **Sureerat Jampa,** Chulalongkorn University, Thailand
P 03	**Title: Development of technology for production of new types fire extinguishing powders and foam-suspensions** **Lasha Tkemaladze,** G Tsulukidze Mining Institute, Georgia
P 04	**Title: Interaction analysis of DPP4 inhibitor by fragment molecular orbital method** **Natsumi Mori,** Osaka University, Japan
P 05	**Title: Antimicrobial properties of plasmonic metal decorated/doped titanium dioxide photocatalytic films** **Pardon Nyamukamba,** University of Fort Hare, South Africa
P 06	**Title: Role of zinc in production of hydrogen in partial oxidation of methanol over CeO_2-ZrO_2 catalyst** **Aibibula Bake,** Sojo University, Japan

Panel Discussion

14:50-15:20	**Title: Rapid production of high-purity hydrogen fuel from fossil fuels** **Xiangyu Jie,** University of Oxford, UK

15:20-15:50	**Title: Structural effect of the Cu_xSn_{1-x} intermetallic catalyst prepared by a mechanical alloying technique in phenol hydroxylation** **Sakollaphat Pithakratanayothin**, Chulalongkorn University, Thailand
	Panel Discussion
	Networking & Refreshment Break 15:50-16:10 @ Peninsula Foyer
16:10-16:40	**Title: Elaboration of new types fire-protective covers based on environmentally safe fire extinguishing powders** **Lali Gurchumelia**, Institute of Inorganic Chemistry and Electrochemistry, Georgia
16:40-17:10	**Title: Aminobenzimidazole Schiff base incorporated onto the pores of HNTs: An efficient heterogeneous catalyst for the regioselective synthesis of 1,2,3-triazoles via click reaction** **Majid M Heravi**, Alzahra University, Iran
17:10-17:40	**Title: Reformulation of relativistic quantum field theory on an advanced fragment based multi dimensional chemico-informatic region like idealization approach for the in silico prediction of the Microcrylaq™ compound: A novel T790M mutant regulator for avoiding epidermal growth factor receptor drug resistance in cancer non-small cell lung cancer treatments** **Ioannis Grigoriadis**, Biogenea Pharmaceuticals Ltd, Greece
	Panel Discussion
	Networking Sessions
	Thanks Giving & Closing Ceremony