

DAY 1: Wednesday, July 22, 2015

**Drug Discovery & Therapy World Congress 2015
and
Global Biotechnology Congress 2015**

July 22nd – 25th, 2015, John B. Hynes Veterans Memorial Convention Center, Boston, USA

www.ddtwc.com / www.globalbiotechcongress.com

TIME								INAUGURAL PROGRAM							
								Location: Ball Room 'B' – Level-3							
8:30 - 8:35 am				Guests to be Seated											
8:35 - 8:45 am				Welcome Remarks by Chairmen Organizing Committee				Prof. Ferid Murad (Nobel Laureate) and Prof. Atta-ur-Rahman, <i>FRS</i>							
Chairman: A. Chapel Co-Chairman: E. Jirillo								JOINT PLENARY SESSION				Location: Ball Room 'B' - Level 3			
Time		Speakers				Titles									
8:45 - 9:35 am		Pamela A. Silver <i>PL-1</i>				<i>Designing Biology for a Healthy World</i>									
9:35 - 10:25 am		Phillip A. Sharp (Nobel Laureate) <i>PL-2</i>				<i>MicroRNAs, Small Interfering RNAs and Modular Therapeutics</i>									
Locations	Lecture Hall 201 Level 2	Lecture Hall 202 Level 2	Lecture Hall 203 Level 2	Lecture Hall 204 Level 2	Lecture Hall 205 Level 2	Lecture Hall 206 Level 2	Lecture Hall 207 Level 2								
Tracks	CNS Drug Discovery & Therapy	Cardiovascular Drug Discovery & Therapy	Cancer Targeted Drug Delivery	Diabetes and Obesity Drug Discovery & Therapy	Regenerative Medicine	Medical Imaging	<i>Other Areas (Food, Protein Expression, Clinical Research) / Business Development</i>								
Chairman: W.Wang Co-Chairman: T.Y. Chang		Chairman: R.A.Khalil Co-Chairman: A. Hawkrigde		Chairman: A.Di Pietro Co-Chairman: D.S. Dimitrov		Chairman: E.Jirillo Co-Chairman: F.Z.Basha		Chairman: M.O.Hebb Co-Chairman: D.Narmoneva		Chairman: Y.Zhou Co-Chairman: J.Zhang		Chairman: J.X.Ma Co-Chairman: C.B. Esselstyn			
10:30 - 10:50 am		10:30 - 11:00 am		10:30 - 11:05 am		10:30 - 11:00 am		10:30 - 11:00 am		10:30 - 11:00 am		10:30 - 11:00 am		10:30 - 11:00 am	
<i>SL-3</i> Jia Zhou <i>Development of Serotonin 2C Receptor Positive Allosteric Modulators for Treatment of Neuropsychiatric Diseases</i>		<i>IL-4</i> Umesh R. Desai <i>Discovering Antagonists of Glycosaminoglycan- Binding Proteins for Treating Thrombosis, Cancer, and other Diseases</i>		<i>KNL-5</i> Attilio Di Pietro <i>Different Strategies to Target Resistant Cancer Cells Overexpressing Multidrug ABC Transporters: Inhibition and Collateral Sensitivity</i>		<i>IL-6</i> Emilio Jirillo <i>Childhood Obesity and Nutritional Interventions</i>		<i>IL-7</i> Tao L. Lowe <i>Mechanically Tunable and Degradable Hydrogels for Regenerative Medicine</i>		<i>IL-8</i> Yun Zhou <i>Quantitative Multimodal Multi- parametric Imaging: Its Integration and Applications</i>		<i>IL-9</i> JinXia Ma <i>PSP94, Prostatin and PSP94 to Prostatin Signaling in Cancer</i>			

10:50 - 11:10 am SL-10 Ta Yuan Chang <i>ACATI/SOAT1 as a Therapeutic Target for Alzheimer's and Other Related Neurodegenerative Diseases</i>	11:00 - 11:20 am SL-11 Krishna Rajarathnam <i>Chemokines as Drug Targets for Cardiovascular Diseases</i>	11:05 - 11:40 am KNL-12 Dimitar S. Dimitrov <i>Therapeutic Monoclonal Antibodies Against Cancer and Viruses</i>	11:00 - 11:30 am IL-13 Matteo A. Russo <i>Role of HIF1α/NFκB Pathway in Obesity</i>	11:00 - 11:30 am IL-14 Daria Narmoneva <i>Vascular Tissue Regeneration: A Biophysical Perspective on the Role of Mechanical, Molecular and Electric Interactions</i>	11:00 - 11:20 am SL-15 Jianhua Zhang <i>Comparison of Two Methods for Semiquantitative Evaluation of DaTSCAN</i>	11:00 - 11:20 am SL-16 Conly Hansen <i>Production of Hydrogen and Methane from Food Processing Waste in Induced Bed Reactors: Experiment and Modeling</i>
11:10 - 11:30 am SL-17 Rina Aharoni <i>From Basic Research to Drug Development – The Story of Copaxone in the Treatment of Multiple Sclerosis, Mechanism of Action, and New Applications</i>	11:20 - 11:40 am SL-18 Robert J. Linhardt <i>Re-introduction of Bovine Heparin: Regulatory and Compendial Issues</i>	11:40 - 12:00 noon SL-19 Hong-tao Xiao <i>Anti-tumor Effect of the Newly Synthesized Hydroxychloroquine Conjugate-AHQ</i>	11:30 - 12:00 noon IL-20 Jeffrey I. Mechanick <i>The Use of Bariatric Surgery in Patients with Diabetes and Obesity</i>	11:30 - 11:50 am SL-21 Nathaniel Bachrach <i>Native Extracellular Matrix – A Paradigm for Translatable Regenerative Medicine</i>	11:20 - 11:40 am SL-22 Xueqi Chen <i>Multiparametric PET Values in the Prediction of Alzheimer's Disease Progress</i>	11:20 - 11:40 am SL-23 Ivana Orlando <i>Food Science and Biotechnology: Innovative Applications of Non Thermal Technologies in Foods: High Pressure Processing for Increasing the Shelf Life and Sensorial Analysis of Fish and Sea Food</i>
11:30 - 11:50 am SL-24 Nathali Kaushansky <i>Novel Immunospecific Therapy with Synthetic Multi-Epitope Targeting Agent Modulate MS-like Disease by Induction of Peripheral Regulatory Mechanisms</i>	11:40 - 12:00 noon SL-25 Masahiro Sakagami <i>Natural and Synthetic Caffeic Acid-based Oligomers: Anti-oxidative, Anti-e lactase and VEGF Modulatory Activities for Treatment of Emphysema</i>	12:00 - 12:20 pm SL-26 Karli Rosner <i>A Highly Efficient In-vivo Therapy for Melanoma and Other Cancer Types</i>	12:00 - 12:20 pm SL-27 Lex V. der Ploeg <i>Deuterated Polyunsaturated Fatty Acids (dPUFAs) Overcome Lipid Peroxidation Damage in CNS Disorders</i>	11:50 – 12:10 pm SL-28 Michael Helmrath <i>In vivo Model of Human Intestine</i>	11:40 - 12:00 noon SL-29 Rui Gao <i>Associations Between the Alpha-synuclein Spliced Variants and Monoaminergic Degeneration in Parkinson's Disease</i>	11:40 - 12:00 noon SL-30 Caldwell B. Esselstyn <i>Plant-Based Nutrition Adherence Strategy Halts Coronary Disease</i> *

<p>11:50 - 12:10 pm SL-31 Amany A. Abdin <i>Modulatory Effect of Celestrol on Th1/Th2 Cytokines Profile, TLR2 and CD3+ T-lymphocyte Expression in a Relapsing-remitting Model of Multiple Sclerosis in Rats</i></p>	<p>12:00 - 12:20 pm SL-32 Rinku Majumder <i>A Novel, Activated Protein C-independent Role of Protein S in Regulating Thrombosis</i></p>	<p>12:20 - 12:40 pm SL-33 Dror Harats <i>Vascular Targeting System – A Proprietary Gene Therapy Platform Technology</i></p>		<p>12:10 – 12:30 pm SL-34 Bruno Doiron <i>Syner-III: An In vivo Method to Induce Pancreatic Beta Cell Formation in the Adult Pancreas</i></p>	<p>12:00 - 12:20 pm SL-35 Wang Rong-fu <i>Application of Parametric Imaging Using 18F-FDG PET/CT Dynamic Multi-bed Scanning in Differential Diagnosis of Pulmonary Lesions</i></p>	<p>12:00 - 12:20 pm SL-36 Mark Nuijten <i>Financial Valuation Algorithm for the Assessment of the Futures Sales of a New Innovative Medicinal Product</i></p>
<p>12:10 – 12:30 pm SL-37 Stefano Gustincich <i>SINEUPs: A New Class of Natural and Synthetic Antisense Long Non-coding RNAs that Activate Translation</i></p>						
<p>LUNCH BREAK: 12:30 – 1:30 pm</p>						

Locations	Lecture Hall 201 Level 2	Lecture Hall 202 Level 2	Lecture Hall 203 Level 2	Lecture Hall 204 Level 2	Lecture Hall 205 Level 2	Lecture Hall 206 Level 2	Lecture Hall 207 Level 2
Tracks	Traditional Chinese Medicine / Genomics	Cardiovascular Drug Discovery & Therapy / Cancer Targeted Drug Delivery	Enabling Technologies / Pharmacogenomics / Combinatorial Chemistry / Hot Topics in Natural Products / Protein and Peptide Sciences	Diabetes and Obesity Drug Discovery & Therapy / CNS Drug Discovery & Therapy / Process Chemistry & Drug Manufacturing / Chemistry	Regenerative Medicine	Medical Imaging / Medical Biotechnology	Other Areas (Marine) / Plant & Environment / Pharmaceutical Biotechnology
Chairman: W. Wang Co-Chairman: W. Chao	Chairman: C. Perez-Stable Co-Chairman: S. Ali	Chairman: M.I. Choudhary Co-Chairman: J.B. Ulmer	Chairman: F.Z. Basha Co-Chairman: A. Ejaz	Chairman: M. Helmrath Co-Chairman: P. Liu	Chairman: Y. Zhou Co-Chairman: H.-Y. Jiang	Chairman: R.J. Linhardt Co-Chairman: B. Dewprasad	
1:30 - 2:00 pm <i>IL-38</i> Wei Wang Chemical, Pharmacological and Quality Control Studies of Traditional Chinese Medicine (TCM) and Ethnic Medicine	1:30 - 1:50 pm <i>SL-39</i> Demetrios Braddock The Molecular Basis of Purinergic Signal Metabolism Regulating Hemostasis and Ectopic Calcification	1:30 - 2:05 pm <i>KNL-40</i> Jeffrey B. Ulmer New Technologies for Improved Vaccines Against Infectious Diseases and Cancer	1:30 - 2:00 pm <i>IL-41</i> Fatima Z. Basha Design, Discovery and Synthesis of Novel Non-sugar Based α -Glucosidase Inhibitors as Potential Anti-diabetic Agents	1:30 - 1:50 pm <i>SL-42</i> Swathi Balaji Scarless Surgery: Are We There Yet?	1:30 - 1:50 pm <i>SL-43</i> Wang Rong-fu Situation and Progress of Tumor Angiogenesis Targeted Imaging and Therapy via Radionuclide Tracing Techniques	1:30 - 1:50 pm <i>SL-44</i> Adela Mora-Gutierrez Influence of Bovine and Caprine Milk-Based Peptides on Exopolysaccharide Synthesis by <i>Streptococcus thermophilus</i> and <i>Lactobacillus delbrueckii</i> ssp. <i>Bulgarius</i>	
2:00 - 2:20 pm <i>SL-45</i> Xiong Cai A Naturally-derived Immunosuppressive Drug, Rapamycin, Decreases Circulating Tumor Cells in Patients with Lymphangioliomyomatosis	1:50 - 2:10 pm <i>SL-46</i> Adam Hawkrigde Intact Stable Isotope Labeled Plasma Proteins for Multiplexed LC-MS/MS Quantification	2:05 - 2:25 pm <i>SL-47</i> Prasun J. Mishra Advancing Molecular Diagnostics and Precision Medicine Using Non-coding RNA Variants	2:00 - 2:30 pm <i>IL-48</i> Athar Ata Novel Biomedical Agents from Aboriginal Medicinally Important Plants of Canada	1:50 - 2:10 pm <i>SL-49</i> Junwang Xu Mesenchymal Stem Cell Treatment Improves Diabetic Wound Healing through Modulation of MicroRNA Expression	1:50 - 2:10 pm <i>SL-50</i> Kuangyu Shi Understanding Tracer Diffusion in Tumor Tissue for Hypoxia Imaging Using Reaction-diffusion Modeling: Matching Computational Simulation to Dynamic [18F]FMISO PET Measurements in Tumors	1:50 - 2:10 pm <i>SL-51</i> Patricia A. Sobecky Microbial Response(s) to the 2010 Deepwater Horizon Gulf Oil Spill: a 5-year Study of a Coastal Alabama Salt Marsh	

<p>2:20 - 2:40 pm SL-52 Ya-Ping Lin <i>Effect of Moxibustion on T Lymphocyte Subsets of Helicobacter pylori-associated Gastritis Rats</i></p>	<p>2:10 - 2:45 pm KNL-53 Gautam Chaudhuri <i>Cancer Cells and ATP Generation: Beyond Warburg</i></p>	<p>2:25 - 2:45 pm SL-54 Nesterov-Müller Alexander <i>Novel High Density Peptide Arrays with Combinatorial Deposition of Amino Acid Particles for Antibody Profiling</i></p>	<p>2:30 - 2:50 pm SL-55 Asma Ejaz <i>Betaine Supplementation Improves Systemic Metabolism and Glycemia in HFD-Fed Mice</i></p>	<p>2:10 - 2:30 pm SL-56 Matthew O. Hebb <i>Autologous Brain Sources for Personalized Cell Therapy in Neurological Disease</i></p>	<p>2:10 - 2:30 pm SL-57 Hong-Yu Jiang <i>Protective Effects of Low Doses Radiation Against Doxorubicin-induced Cardiac Toxicity in Balb/C Mices</i></p>	<p>2:10 - 2:40 pm IL-58 Brahmadeo Dewprashad <i>Medicinal Plants Used by Immigrants from the Caribbean</i></p>
<p>2:40 - 3:00 pm SL-59 Zhiying Huang <i>Toxicological Finding in Beagle Dogs After a Single or 4 Weeks Oral Gavage of Triptolide</i></p>	<p>2:45 - 3:20 pm KNL-60 Rakesh Kumar <i>Targeting MTA1 Master Chromatin Remodeler in Cancer and Stem Cell Biology</i></p>	<p>2:45 - 3:05 pm SL-61 Anita Abedi <i>Novel Platinum Complexes [Pt(N-N)Cl4], as Suggested Anticancer Drugs</i></p>	<p>2:50 - 3:20 pm IL-62 Zhi-Gang Jiang <i>Co-suppression of Intracellular Calcium and Oxidative Stress, A Key Strategy for Development of Neuroprotective Drugs</i></p>	<p>2:30 - 2:50 pm SL-63 Philip Liu <i>Tracking Regeneration of the Brain After Gene Therapy Using Targeted Guided MRI</i></p>	<p>2:30 - 2:50 pm SL-64 Dalila Naimi <i>Assessment of Crude Extract of Helix Aspersa on Chemo-induced Colitis in Rat</i></p>	<p>2:40 - 3:00 pm SL-65 Shin-ichi Kayano <i>Antioxidant Properties of Prunes (Prunus domestica L.) and their Constituents</i></p>
<p>3:00 - 3:20 pm SL-66 Rui Li <i>The Metabolic and Pharmacokinetic Analysis of Curcuminoids Based on Nanoparticle Formulations by Liquid Chromatography Coupled with Tandem Mass Spectrometry</i></p>	<p>3:20 - 3:50 pm IL-67 Carlos Perez-Stable <i>Prostate Cancer-Specific Destruction of Androgen Receptor with Deubiquitinase Inhibitors</i></p>	<p>3:05 - 3:25 pm SL-68 Daniel Appella <i>Combinatorial Multivalent Display Using a Synthetic, PNA-based Scaffold to Characterize Ligand-receptor Interactions</i></p>	<p>3:20 - 3:40 pm SL-69 Akila Ramanathan <i>Development of Circadian Rhythm Based Formulation of Atomoxetine Hydrochloride for the Treatment of Attention Deficit Hyperactivity Disorder</i></p>	<p>2:50 - 3:10 pm SL-70 Jian Yang <i>Biodegradable Photoluminescent Polymers and Molecules for Tissue Engineering, Drug Delivery, and Imaging</i></p>	<p>2:50 - 3:10 pm SL-71 Hala F.M. Kamel <i>Evaluation of Advanced Glycation end Products (AGEs), Circulating Soluble Receptor for Advanced Glycation End Products (sRAGE) and Oxidized Low-density Lipoproteins (OxLDL) in Hemodialysis Patients</i></p>	<p>3:00 - 3:20 pm SL-72 Herry Utomo <i>Biotechnological Approach to Increasing Nutritional Quality in High Yielding Rice</i></p>

<p>3:20 - 3:40 pm SL-73 Xue-Fei Tian <i>Study on Anti-Lung Cancer Efficiency of Centipede Extraction In vitro and In vivo</i></p>	<p>3:50 - 4:10 pm SL-74 Kirk J. McManus <i>Synthetic Lethal Targeting of Colorectal Cancer Cells through SOD1 Inhibition</i></p>	<p>3:25 - 3:45 pm SL-75 Allen Krantz <i>Site-specific Labeling of a Protein Lysine Residue Using Novel Kinetic Labeling Combinatorial Libraries</i></p>	<p>3:40 - 4:00 pm SL-76 Kinga Salat <i>Solute Carrier 6A1 (SLC6A1; GAT1) Transporter Subfamily as a Target for Novel Memory Enhancing Drugs</i></p>	<p>3:10 - 3:30 pm SL-77 Shanfeng Wang <i>Injectable and Biodegradable Polymeric Biomaterials for Regenerative Medicine</i></p>	<p>3:10 - 3:30 pm SL-78 Sin H. Lee <i>Bring Sanger Sequencing to the Community Clinical Laboratories Worldwide</i></p>	<p>3:20 - 3:40 pm SL-79 Ida Wenefrida <i>Nutritional Quality Enhancement in a Non-GMO High Yielding Rice</i></p>
<p>3:40 - 4:00 pm SL-80 Wei Li <i>3D Quality Control of Entire Molecule Complex of Compound Danshen Dripping Pills</i></p>	<p>4:10 - 4:30 pm SL-81 Yoko Matsumoto <i>Novel Liposomes Including Trehalose Surfactant Inhibit the Growth of Tumor Cells along with Apoptosis</i></p>	<p>3:45 - 4:20 pm KNL-82 Muhammad Iqbal Choudhary <i>Nature-based Drug Discovery – Reemerging Paradigm</i></p>	<p>4:00 - 4:20 pm SL-83 Shyama D. Patel <i>Hypoxia Ischemia in the Neonatal Rat: Therapeutic Hypothermia and Mast Cell Stabilization as Adjunct Pharmacotherapy</i></p>	<p>3:30 - 3:50 pm SL-84 Abdul Q. Sheikh <i>Novel Smooth Muscle Cell Progenitors are Primed to Muscularize in Disease</i></p>	<p>3:30 - 3:50 pm SL-85 Ekram W. Abd El-Wahab <i>Specific Recognition of the HIV-1 Genomic RNA by the Gag Precursor</i></p>	<p>3:40 - 4:00 pm SL-86 Krisztina Szabo <i>The First Extensive Case-study on the Effects of Artificial Mycorrhization of <i>Acer buergerianum</i> Miq. in Hungary</i></p>
<p>4:00 - 4:20 pm SL-87 Xiao-Rong Chang <i>Effects of Electroacupuncture on the Ultrastructure of ICC and Expression of Protein CX43 in FD Rats</i></p>	<p>4:30 - 4:50 pm SL-88 James Cleary <i>Overview of the Current and Future Role of Immune Checkpoint Blockade in Oncology</i></p>	<p>4:20 - 4:40 pm SL-89 Adebola O. Oyedeji <i>Anticancer, Antioxidant and Antimicrobial Activities of Some Synthesized Ursolic Acid Derivatives</i></p>	<p>4:20 - 4:40 pm SL-90 Yasuo Iwadata <i>Logical Refinement of Therapeutic Targets for Glioblastoma Based on Multidisciplinary Proteomic Approaches</i></p>	<p>3:50 - 4:10 pm SL-91 Mohamed H. Doweidar <i>Numerical Modeling of Mechanotactic Influence on Cell Morphology</i></p>	<p>3:50 - 4:10 pm SL-92 Wei Li <i>Blocking the Function of Inflammatory Cytokines and Mediators by Using IL-10 and TGF-β: A Potential Biological Immunotherapy for Intervertebral Disc Degeneration in a Beagle Model</i></p>	<p>4:00 - 4:35 pm KNL-93 Robert J. Linhardt <i>Synthetic and Bioengineered Heparin-based Therapeutics</i></p>

<p>4:20 - 4:40 pm <i>SL-94</i> Wang Chao <i>Influence of Electroacupuncture Pretreatment on Serum NO and NOS and Myocardial Ultrastructures in Myocardial Ischemia and Reperfusion Injury</i></p>	<p>4:50 - 5:10 pm <i>SL-95</i> Darrell R. Borger <i>Multifaceted Approach to Cancer Biomarker Discovery in a Clinical Setting</i></p>	<p>4:40 - 5:00 pm <i>SL-96</i> G.J. Sharma <i>Evaluation of Antioxidant Potentials and Radioprotective Properties of Tropical Ginger in Albino Rats</i></p>	<p>4:40 - 5:10 pm <i>IL-97</i> Denis Spitzer <i>Large-scale Continuous Manufacture of Nano-cocrystal Drugs and Therapeutics or How Defence Research may Contribute to Protect Health</i></p>	<p>4:10 - 4:30 pm <i>SL-98</i> Sandeep Soni <i>Initial Results of Gene Therapy for β-Thalassemia Major via Transplantation of Autologous Hematopoietic Stem Cells Transduced Ex-vivo with a Lentiviral βA-T87Q-Globin Vector</i></p>	<p>4:10 - 4:30 pm <i>SL-99</i> Sarman Singh <i>Application of Newer Molecular Methods for Diagnosing and Drug Resistance Detection in Mycobacterium tuberculosis: Evaluation in Indian Setting</i></p>	<p>4:35 - 4:55 pm <i>SL-100</i> Uttmakumar S. Bagde <i>In vitro Proliferative Effect of Aloe Vera Extracts on Hair Follicles Isolated from the Alopecia Areta Patch</i></p>
<p>4:40 - 5:00 pm <i>SL-101</i> Mei-lin Liu <i>Effect of Shenyan on Anti-inflammatory and Hemodynamic Factors in a Porcine Model of Acute Myocardial Infarction</i></p>	<p>5:10 - 5:30 pm <i>SL-102</i> Nenggang Zhang <i>Sepin-1, A Novel Separase Inhibitor, for Breast Cancer Therapy</i></p>	<p>5:00 - 5:20 pm <i>SL-103</i> Santosh K. Singh <i>Antibacterial Activity and Preliminary Phytochemical Screening of Endophytic Fungal Extract of Rauwolfia serpentina</i></p>	<p>5:10 - 5:30 pm <i>SL-104</i> Phuong T. Le <i>Direct Arylation and its Application on Scale to the Synthesis of PF-06463922, A Macrocyclic Inhibitor of ALK/ROS1</i></p>	<p>4:30 - 4:50 pm <i>SL-105</i> David Naor <i>Anti-inflammatory Regenerative Activity of a CD44-derived Peptide</i></p>	<p>4:30 - 4:50 pm <i>SL-106</i> Hongjun Yang <i>Photocross Linkable Maleic Anhydride Acylated Chitosan/Methacryl Poly (Vinyl Alcohol) Nanofibrous Membrane as Potential Wound Dressing for Skin Regeneration</i></p>	<p>4:55 - 5:15 pm <i>SL-107</i> Ella L. Kim <i>The Role of Stem-like Glioma Cells in GBM Progression and Post-treatment Recurrence</i></p>
<p>5:00 - 5:20 pm <i>SL-108</i> Meilin Liu <i>Identification of Aspirin Response Related Gene Profiles in the Elderly Population with Coronary Artery Disease</i></p>	<p>5:30 - 5:50 pm <i>SL-109</i> Matthew O. Hebb <i>Intratumoral Modulation Therapy for Glioblastoma</i></p>	<p>5:20 - 5:40 pm <i>SL-110</i> Cid A.M. Santos <i>Uleine</i></p>	<p>5:30 - 5:50 pm <i>SL-111</i> Jun-ichi Kadokawa <i>Enzymatic Synthesis of Protein-mimic Polysaccharides as Candidate for New Biomedical Materials</i></p>	<p>4:50 - 5:10 pm <i>SL-112</i> Ashim K. Mitra <i>Novel Therapeutic Strategies for Delivering Therapeutics to Brain – Circumventing the Efflux and Permeability Barriers</i></p>	<p>4:50 - 5:10 pm <i>SL-113</i> Huseyin A. Balcioglu <i>Temporomandibular Joint Disorders, Biotechnology and Evolving Trends</i></p>	<p>5:15 - 5:35 pm <i>SL-114</i> Christine Linard <i>Pretreatment with TLR Ligands Enhances the Immunosuppressive Capacity of Mesenchymal Stem Cells in a Model of Proctitis</i></p>

	5:50 - 6:10 pm <i>SL-115</i> Cody P. Coyne <i>Synthesis of Covalent Biochemotherapeutics with Properties of Selectively “Targeted” Anti-neoplastic Cytotoxicity</i>	5:40 - 6:00 pm <i>SL-116</i> Jose C. Martins <i>Understanding Biological Activity and Self-assembly of Antimicrobial Cyclic Lipodepsipeptide Using a Molecular Approach</i>	5:50 - 6:10 pm <i>SL-117</i> Michel Baltas <i>Bisvanillin and Bis Aryl Ether Scaffolds for Elaboration of Antiatherogenic Agents; Synthesis and Biological Activities</i>	5:10 - 5:30 pm <i>SL-118</i> Somaya Hosny <i>Potential Therapeutic Effect of Hematopoietic Stem Cells on Cerebellar Ataxia in Adult Female Rats Subjected to Cerebellar Damage by Monosodium Glutamate</i>	5:10 - 5:30 pm <i>SL-119</i> Nilufer Balcioglu <i>Finite Element Analysis in Oral Implantology</i>	
				5:30 - 5:50 pm <i>SL-120</i> Qiaobing Xu <i>Nanoparticles for Neural Regeneration</i>	5:30 - 5:50 pm <i>SL-121</i> Amanda Arnold <i>Convergence: A Transformative Approach to Advanced Research at the Intersection of the Life Physical and Engineering Sciences</i>	
COFFEE BREAK: 6:00 – 6:45 pm						

DAY 2: Thursday, July 23, 2015

Chairman: C. N. Serhan Co-Chairman: P.A. Sharp		JOINT PLENARY SESSION Location: Ball Room 'B' - Level 3				
Time		Speakers		Titles		
8:30 - 9:20 am		Ferid Murad (Nobel Laureate) PL-122		<i>Application of Nitric Oxide Research to Drug Development</i>		
9:20 - 10:10 am		Martin Nowak PL-123		<i>Evolutionary Dynamics and Treatment of Cancer</i>		
Locations	Lecture Hall 201 Level 2	Lecture Hall 202 Level 2	Lecture Hall 203 Level 2	Lecture Hall 204 Level 2	Lecture Hall 205 Level 2	Lecture Hall 206 Level 2
Tracks	Drug Discovery in Preclinical Research	Cardiovascular Drug Discovery & Therapy	Innovative Drug Discovery & Nanotechnology	<i>In Silico</i> Drug Design & <i>In Silico</i> Screening	Regenerative Medicine	Pharmaceutical Biotechnology
Chairman: W.B.Weglicki Co-Chairman: S. Neumann		Chairman: R.A.Khalil Co-Chairman: R.J.Linhardt	Chairman: S.De Paoli Co-Chairman: E.S.Don	Chairman: J.Skolnick Co-Chairman: M.Shalaeva	Chairman: A.Q.Ye Co-Chairman: W.J. Rowe	Chairman: R.S.Ferreira Co-Chairman: M.Cai
10:20 - 10:50 am IL-124 Eugene L.P. Chekler <i>Tissue Selective Androgen Receptor Modulators (SARMs): A Path to a Clinical Candidate</i>		10:20 - 10:50 am IL-125 Raouf A. Khalil <i>Role of Microvascular Endothelial Type B Endothelin Receptor During Pregnancy Implications in Hypertensive Pregnancy and Preclampsia</i>	10:20 - 10:50 am IL-126 Jean-Pierre Leburton <i>Genomics with Graphene Nanotechnology</i>	10:20 - 10:55 am KNL-127 Jeffrey Skolnick <i>On the Origin and Completeness of Ligand Binding Pockets with Applications to Drug Discovery</i>	10:20 - 10:50 am IL-128 Adam Q. Ye <i>Controlled Released Scaffolding Biomaterial for Bone Tissue Engineering: A Novel Therapeutic Strategy for Clefts Patients</i>	10:20 - 10:50 am IL-129 Alain Chapel <i>Stem Cell Therapy for the Treatment of Severe Tissue Damage after Radiation Exposure</i>
10:50 - 11:20 am IL-130 Tove Tuntland <i>Target Based vs. Phenotypic Screening Approaches in Drug Discovery</i>		10:50 - 11:10 am SL-131 Ruomei Qi <i>Ginkgolide B Reduces TLR4 and Inflammatory Protein Expression in Glucose-Treated HUVECs</i>	10:50 - 11:10 am SL-132 Rashid Bashir <i>Nanopore-Based Detection of Biomarkers for Cancer Diagnostics</i>	10:55 - 11:25 am IL-133 Marina Shalaeva <i>Useful Descriptors in Beyond Rule-of-Five Drug Design Space?</i>	10:50 - 11:20 am IL-134 William J. Rowe <i>The Neil Armstrong Space Syndrome</i>	10:50 - 11:10 am SL-135 Rasha F. Mady <i>The Evaluation of Cercarial Transformation Fluid Used Singly and in Combination with Curde Cercarial Antigen in Experimental Schistosomiasis mansoni</i>

11:20 - 11:40 am SL-136 Joerg Eder <i>Discovery of First-in-class Drugs: Target- and Systems-based Approaches</i>	11:10 - 11:30 am SL-137 Jan Torzewski <i>Inhibiting C-reactive Protein for the Treatment of Cardiovascular Disease – Way into Clinical Studies</i>	11:10 - 11:30 am SL-138 Marija Drndic <i>Biomolecule Analysis and DNA Sequencing with Solid-state Nanopores</i>	11:25 - 11:45 am SL-139 Hua Gao <i>Integration of In Silico Prediction in Drug Discovery Process</i>	11:20 - 11:50 am IL-140 Jeffrey Harrison <i>Personalized Healthcare: from Research to Reality</i>	11:10 - 11:30 am SL-141 Fuad Fares <i>Long Acting Analogs of Glycoprotein Hormones Designed by Site-directed Mutagenesis and Gene Fusion</i>
11:40 - 12:00 noon SL-142 Peter Wookey <i>Targeting Calcitonin Receptor Expressed by Brain Tumour Initiating Cells of Glioblastoma Multiforme</i>	11:30 - 11:50 am SL-143 Martin Safo <i>Rationally Designed Allosteric Effectors of Hemoglobin Exhibit Superior Antisickling Properties</i>	11:30 - 11:50 am SL-144 Michael A. Stroschio <i>Nanotechnology-based Tools for the Study of the Affinity and Selectivity of Antigens for Small Molecular Targets Underlying Drug Discovery and Therapeutics</i>	11:45 - 12:05 pm SL-145 Franco Lombardo <i>Computational Approaches to PK-Friendly (Drug-like) Molecules</i>	11:50 - 12:10 pm SL-146 Bogdan M. Wozniwicz <i>Human Thymus Derived Progenitor/Stem Cells Immunotherapy in Autoimmune Diseases</i>	11:30 - 11:50 am SL-147 Gloria N. Okwu <i>Hypolipidemic and Hypoglycemic Activities of Ethanol Extract of Cyperus rotundus Rhizome</i>
12:00 - 12:20 pm SL-148 Alexey Rak <i>The Use of Microscale Thermophoresis, Virtual Screening and Thermal Shift Assays for the Rapid Identification of Fragments Active Against Human Kinase</i>	11:50 - 12:10 pm SL-149 Jian Liu <i>Chemoenzymatic Synthesis of Low Molecular Weight Heparins</i>	11:50 - 12:10 pm SL-150 Milana C. Vasudev <i>Peptide Nanotubes for the Non-invasive Detection of Biomolecule Secretion from Cells</i>	12:05 - 12:25 pm SL-151 Oleg Reva <i>Similarity and Difference in Mechanisms of Action of Antistaphylococcal Antibiotics Mupirocin and Batumin Revealed by in Silico Molecular Docking</i>	12:10 - 12:30 pm SL-152 Marianne Ellis <i>Scale-up of Immune Cell Therapies for Organ Transplants</i>	11:50 - 12:10 pm SL-153 Chetana Roat <i>Endophytic Fungus as a Source of Bioactive Secondary Metabolites: Resveratrol and Viniferin</i>
12:20 - 12:40 pm SL-154 Lexie S. Holliday <i>Rational Identification of Enoxacin as a Novel V-ATPase (and/or MicroRNA?)-directed Osteoclast Inhibitor</i>	12:10 - 12:30 pm SL-155 Agnes Azimzadeh <i>Synthetic Heparan Sulfate Mimetics as Novel Anticoagulants: In vitro Evaluation for Xenotransplantation</i>	12:10 - 12:30 pm SL-156 Georgeta Crivat <i>Nanoparticle Based Sensors with Biological Applications</i>			12:10 - 12:30 pm SL-157 Rui S. Ferreira Junior <i>Molecule Drug Candidates – Prospecting, Development, Optimization and Clinical Trials: Two Brazilian Successful Cases</i>

LUNCH BREAK: 12:30 – 2:00 pm

Locations	Lecture Hall 201 Level 2	Lecture Hall 202 Level 2	Lecture Hall 203 Level 2	Lecture Hall 204 Level 2	Lecture Hall 205 Level 2	Lecture Hall 206 Level 2
Tracks	Drug Discovery in Preclinical Research	Stereoselective Synthesis of Bioactive Compounds / Inflammation and Immunology / Translational Medicine / Biologics	Bioactive Lipids / High Throughput Screening & Laboratory Automation / Medical Imaging / Drug Metabolism / Hot Topics in Drug Targets / Proteomics & Bioinformatics	<i>In Silico</i> Drug Design & <i>In Silico</i> Screening/ Academic CRO – Industrial Collaborations in Drug Discovery / Recent Advances in Patient Treatment & Care	Plant & Environment	Pharmaceutical Biotechnology
Chairman: T.Tuntland Co-Chairman: E.L.P.Chekler	Chairman: S. Premawansa Co-Chairman: S.Ari	Chairman: M.Linder Co-Chairman: W.A. Zagahary	Chairman: E.P. Hoffman Co-Chairman: T.D.Y.Chung	Chairman: Q. Liu Co-Chairman: L.Ji	Chairman: N.L.Parenteau Co-Chairman: Y.J.Rosenberg	
2:00 - 2:35 pm <i>KNL-158</i> William B. Weglicki <i>Prevention of EGFR-Tyrosine Kinase Inhibitor Complications by Treatment with NK-1 Receptor Blockade</i>	2:00 - 2:20 pm <i>SL-159</i> Xiang Liu <i>Total Synthesis of 6-Deoxypladienolide D and Assessment of Splicing Inhibitory Activity in a Mutant SF3B1 Cancer Cell Line</i>	2:00 - 2:20 pm <i>SL-160</i> Messouda Kaci <i>Nanoencapsulation of Coenzyme Q10 by a New Emulsification Process Used in Cosmetic</i>	2:00 - 2:20 pm <i>SL-161</i> Mustafa Guzel <i>Novel Drug Candidates for Type-2 Diabetes Mellitus (T2DM): From Bench to Bedside</i>	2:00 - 2:30 pm <i>IL-162</i> Qing Liu <i>Characterization of an Exceptionally Large FAD2 Gene Family and Development of Super High Oleic Genotype in Safflower</i>	2:00 - 2:35 pm <i>KNL-163</i> Muhammad I. Choudhary <i>Creating Bioactive Chemical Space by Biotransformation</i>	
2:35 - 3:05 pm <i>IL-164</i> Jetze J. Tepe <i>Expanding Chemical Space Beyond Drugability-rules: The Search for Mechanistically Distinct Proteasome Inhibitors</i>	2:20 - 2:50 pm <i>IL-165</i> Sunil Premawansa <i>Nitrogen and Oxygen Intermediates and Antibody Mediated Platelet Cytotoxicity as Prognostic Markers for Dengue Severity</i>	2:20 - 2:40 pm <i>SL-166</i> Michel Linder <i>Morphological and Biophysical Properties of Natural Phospholipidbased Biomembranes</i>	2:20 - 2:55 pm <i>KNL-167</i> Eric P. Hoffman <i>VBP15 for DMD: A Collaborative Public/Private Partnership Enabled by Venture Philanthropy Support from the International Stakeholder Community</i>	2:30 - 2:50 pm <i>SL-168</i> Steve Jobling <i>The Role of Cellulose-synthase-like CsIF6 in 1,3;1,4-β-D-glucan Biosynthesis and Overexpression in Wheat Grain to Increase Soluble Dietary Fiber Levels</i>	2:35 - 3:05 pm <i>IL-169</i> Anton Buzdin <i>Novel Approach for Big Data Management at the Level of Intracellular Signalization and its Applications to Biomedicine, Drug Discovery and Personalized Therapy</i>	
3:05 - 3:35 pm <i>IL-170</i> Susanne Neumann <i>Small-molecule “drug-like” TSH Receptor Agonists and Antagonists</i>	2:50 - 3:10 pm <i>SL-171</i> Abu Salim Mustafa <i>Immune Responses to Candidate Vaccine Antigens Delivered through Naked Plasmids and Mycobacterial Vectors</i>	2:40 - 3:00 pm <i>SL-172</i> Nitish Agrawal <i>Development of Novel Class of M1 ERAP Aminopeptidase Inhibitors for Treating Autoimmune Diseases</i>	2:55 - 3:25 pm <i>IL-173</i> Thomas D.Y. Chung <i>Open Innovation in Drug Discovery & Translational Research in Academia</i>	2:50 - 3:10 pm <i>SL-174</i> Zachary Demorest <i>Highly Efficient Genome Editing for Crop Improvement</i>	3:05 - 3:25 pm <i>SL-175</i> Yvonne J. Rosenberg <i>Pharmacokinetics and Immunogenicity of Plant-derived Broadly Neutralizing HIV Monoclonal Antibodies in Macaques</i>	

3:35 - 3:55 pm SL-176 Henry Yu <i>Discovery of Orally Active FSHR Allosteric Modulators</i>	3:10 - 3:30 pm SL-177 Chanika D. Jayasinghe <i>In vivo and In vitro Immunostimulatory Activity of Sri Lankan Wild Type Carica Papaya L. Mature Leaf Concentrate in Rats</i>	3:00 - 3:20 pm SL-178 Li Qin Du <i>Identifying Novel Differentiation Agents for Neuroblastoma Therapy</i>	3:25 - 3:45 pm SL-179 Andrew D. Badley <i>New Frameworks for Translational Research at the Mayo Clinic: Center for Clinical & Translational Sciences (CCATS)</i>	3:10 - 3:30 pm SL-180 Rachel Amir <i>Evidence of Metabolic Competition between Methionine and Glutathione Biosynthetic Pathways</i>	3:25 - 3:45 pm SL-181 Alexei Yeliseev <i>Human Cannabinoid Receptor CB2: Expression, Functional and Structural Studies</i>
3:55 - 4:15 pm SL-182 Zaneta Nikolovska-Coleska <i>Discovery and Development of Small Molecule Modulators of Apoptosis as New Anticancer Drugs</i>	3:30 - 3:50 pm SL-183 Agnes M. Azimzadeh <i>Targeting Immune Costimulation Using a Novel αCD28 Peggylated Fab and CD154 Blockade: Efficacy in a Pre-Clinical Transplant Model</i>	3:20 - 3:40 pm SL-184 Sulei Zhang <i>First Multi-site Study on Quantitative Dynamic Whole-body FDG PET-CT in Oncologic Imaging</i>	3:45 - 4:05 pm SL-185 Ralph J. Garippa <i>Friends with Benefits: Why Partnering with an Academic CRO Makes Ultimate Sense</i>	3:30 - 3:50 pm SL-186 Abed A.M. J. Almansoori <i>RAPD-PCR Analysis of Indigenous Iraqi Sinorhizobium meliloti Isolates Differing in their Ability to Drought Tolerance</i>	3:45 - 4:05 pm SL-187 Shi Jiancheng <i>MTDLs Design on Acetylcholinesterase (AChE) and β-secretase (BACE-1): 3D-QSAR and Molecular Docking Studies Globin Vector</i>
4:15 - 4:35 pm SL-188 Hiroshi Nagase <i>Design and Synthesis of Novel δ Opioid Agonists and their Pharmacologies</i>	3:50 - 4:10 pm SL-189 Madhu Chopra <i>Synergistic Effect of HDAC Inhibitor (Panobinostat) and Topoisomerase Inhibitors on Cervical Cancer Cells</i>	3:40 - 4:00 pm SL-190 Wafaa A. Zaghary <i>Preliminary Assessment on ^{99m}Tc-salmeterol Xinafoate as a Potential Bone-imaging Agent</i>	4:05 - 4:25 pm SL-191 Edward Kahn <i>When Open Innovation Meets Repurposing</i>	3:50 - 4:10 pm SL-192 Rachel A. Burton <i>The Deconstruction of Seed Mucilages</i>	4:05 - 4:25 pm SL-193 Chong K. Phin <i>Antibacterial Activity, Mechanism of Action and Phytochemical Studies of Cynodon Dactylon (L.) Pers. Solid Phase Extract (SPE) Against Some Bacterial Pathogens</i>
4:35 - 4:55 pm SL-194 Edward Holson <i>Development of a β-arrestin Biased D2R Antagonist for the Treatment of Schizophrenia</i>	4:10 - 4:30 pm SL-195 Thomas Herz <i>A Full-360-Translational Pharmacology Concept - From Pre-Clinical Experiments to Clinical Data and Back</i>	4:00 - 4:30 pm IL-196 Esmail Jabbari <i>Synthesis of Hydrolysable Nanogels for Controlled Temporal Delivery of Vasculogenic Factors in Patterned Cellular Constructs</i>	4:25 - 4:45 pm SL-197 Stephen Freedman <i>Exploring New Ideas for the Academic Industry Interface</i>	4:10 - 4:30 pm SL-198 Lianghui Ji <i>A Whole Plant Approach for Nitrogen-fixation in Non-leguminous Crops</i>	4:25 - 4:45 pm SL-199 Rachel G. Lichtenstein <i>Inhibition of the IgG-FcγRIIIA Interactions in mSOD1 Mice Prolonging Mouse Survival</i>

<p>4:55 - 5:15 pm</p> <p><i>SL-200</i> Daniel Appella <i>Targeting HIV Nucleocapsid Protein via a Small Molecule Platform and Related Preclinical Development</i></p>	<p>4:30 - 4:50 pm</p> <p><i>SL-201</i> Jamal Zidan <i>Vascular Endothelial Growth Factor Expression Compared to Clinical and Pathological Features in Ovarian Cancer</i></p>	<p>4:30 - 4:50 pm</p> <p><i>SL-202</i> Divya Samineni <i>Use of Physiologically-based Pharmacokinetic (Pbpk) Modeling to Assess Drug Interaction Potential of Antibody-drug Conjugates (Adcs)</i></p>	<p>4:45 - 5:05 pm</p> <p><i>SL-203</i> Oluwatoyin A. Odeku <i>Formulation of Floating Gastroretentive Metronidazole Microspheres Using Cassava Starch (Manihot Esculenta) as Polymer</i></p>	<p>4:30 - 4:50 pm</p> <p><i>SL-204</i> Joanna D. Mankiewicz-Boczek <i>Increasing the Efficiency of Nitrogen Compounds Removal from Agricultural Areas through the Optimization of Conditions for Microbial Activity</i></p>	<p>4:45 - 5:05 pm</p> <p><i>SL-205</i> Tian Wang <i>The Development of a High Resolution LC-MS Peptide Mapping Method for Automated Quantification of N-linked Glycans in Immunoglobulins</i></p>
<p>5:15 - 5:35 pm</p> <p><i>SL-206</i> Jia Zhou <i>Developing Small-molecule Bax Activators for Cancer Therapy</i></p>	<p>4:50 - 5:10 pm</p> <p><i>SL-207</i> Mehrdad Modaresi <i>Effect of Althaea officinalis L. Root Extract on Concentration of Blood Proteins in Mice</i></p>	<p>4:50 - 5:10 pm</p> <p><i>SL-208</i> Keltoum Anflous-Pharayra <i>VDACs Deficient Mice: An Original Model to Target Selectivity Metastasis</i></p>	<p>5:05 - 5:25 pm</p> <p><i>SL-209</i> Ke Cheng <i>Development of a Cloud-based Histology Database for Collaborative Cancer Research</i></p>	<p>4:50 - 5:10 pm</p> <p><i>SL-210</i> Rainer Fischer <i>Plant-Based Biopharmaceuticals for Emergency Responses and Alternative Rapid Production of Novel Biopharmaceuticals</i></p>	<p>5:05 - 5:25 pm</p> <p><i>SL-211</i> Smail Meziani <i>PAOT Technology® New Approach for Determination of Oxidative Stress Status of Biological Liquids and Tissues</i></p>
<p>5:35 - 5:55 pm</p> <p><i>SL-212</i> Andres E. Dulcey <i>Discovery, Optimization, and Characterization of Novel Chlorcyclizine Derivatives for the Treatment of Hepatitis C Virus Infection</i></p>	<p>5:10 - 5:30 pm</p> <p><i>SL-213</i> Sule Ari <i>Bioactive Properties of Turkish Endemic Astragalus chrysochlorus</i></p>	<p>5:10 - 5:30 pm</p> <p><i>SL-214</i> Mehmet E. Buyukbingol <i>3D Analysis of the Binding Sites for Predicting Binding Affinities in Drug Design</i></p>	<p>5:25 - 5:45 pm</p> <p><i>SL-215</i> Jennifer Smith <i>ICCB-Longwood: Examples of How an Academic Screening Core can Enable Industry Collaborations</i></p>	<p>5:10 - 5:30 pm</p> <p><i>SL-216</i> Jamshid Jazestani <i>Harnessing Microbial Interaction for Increasing Crop Productivity in Semiarid Prairie Agricultural Region of Western Canada</i></p>	<p>5:25 - 5:45 pm</p> <p><i>SL-217</i> Jun Shao <i>Non-invasive Delivery of Biotechnological Drugs</i></p>
	<p>5:30 - 5:50 pm</p> <p><i>SL-218</i> Sadhna Sharma <i>In Silico Identification of Promiscuous CTL Epitopes of mymA Operation Protains of Mycobacterium tuberculosis for a Epitope Based Vaccine Design</i></p>	<p>5:30 - 5:50 pm</p> <p><i>SL-219</i> Elie Hadchity <i>Kruppel Like Factors and Heat Shock Protein 27: New Potential Markers of Larynx and Lung Carcinomas</i></p>	<p>5:45 - 6:05 pm</p> <p><i>SL-220</i> Almeriane M. Weffort-Santos <i>Uleine, A Booster of the Immune Response: Activity on AIDS Patients</i></p>	<p>5:30 - 5:50 pm</p> <p><i>SL-221</i> Rasha F. Mady <i>Microsporidia and Zingiber officinale (Ginger); an Emerging Parasite and an Old Medicinal Plants: In vivo Trial</i></p>	

COFFEE BREAK: 6:00 – 6:45 pm

DAY 3: Friday, July 24, 2015

Chairman: F. Murad Co-Chairman: R.L. Atkinson		JOINT PLENARY SESSION Location: Ball Room 'B' - Level 3			
Time	Speakers		Titles		
8:30 - 9:20 am	Bernhard O. Palsson <i>PL-222</i>		<i>Reconstruction, Modeling and Use of Genome-scale Networks in Biology</i>		
9:20 - 10:10 am	Charles N. Serhan <i>PL-223</i>		<i>Novel Pro-resolving Lipid Mediators in Inflammation & Infection Leads for Resolution Physiology and Pharmacology</i>		
10:10 - 11:00 am	Shuji Ogino <i>PL-224</i>		<i>Emerging Pharmaco-MPE (Molecular Pathological Epidemiology) Paradigm for Global Precision Medicine</i>		
POSTER SESSION & LUNCH BREAK: 11:00 – 1:00 pm					
Locations	Lecture Hall 201 Level 2	Lecture Hall 202 Level 2	Lecture Hall 203 Level 2	Lecture Hall 204 Level 2	Lecture Hall 205 Level 2
Tracks	Anti-Infectives / Pharmaceutical Research & Development / Nutraceutical Drug Discovery & Therapy / Inflammation and Immunology / Chemistry	Neurodegenerative Disorders	Hot Topics in Medicinal Chemistry / Regenerative Medicine	Medical Biotechnology / Pharmaceutical Biotechnology / Other Areas (Microrobot, Food, Protein Expression, Nanobiotechnology, Marine, Systems Biology) / Marine Biotechnology	Plant & Environment / Industrial & Manufacturing
	Chairman: M.G.Moloney Co-Chairman: R.Chaguturu	Chairman: D.K.Lahiri Co-Chairman: F.Checler	Chairman: C.McInnes Co-Chairman: D.S.Rawat	Chairman: H.U.Shekhar Co-Chairman: K.Saito	Chairman: I.J.Diaz-Maroto Co-Chairman: P. (Patrick) Fu
1:00 – 1:35 pm	KNL-225 Mark G. Moloney <i>Equisetin, Reutericyclin and Streptolodygin: Natural Product Lead Structures for Novel Antibiotics</i>	KNL-226 Debomoy K. Lahiri <i>Seeing a Road from the CAR: Could Effective microRNA “brakes” Slow Down the Trip to Alzheimer’s Disease?</i>	IL-227 Campbell McInnes <i>Fragment Based Design of Non-ATP Competitive Kinase Inhibitors through REPLACE</i>	SL-228 Ian D. Dickey <i>Transcutaneous Applications of Foam Metals</i>	IL-229 Ignacio J. Diaz-Maroto <i>Identification of Botanical Origin of Natural Woods Used in Wine Aging</i>
1:35 - 1:55 pm	SL-230 Hidayat Hussain <i>New Strategies for Fighting Malaria</i>	IL-231 Frederic Checler <i>Presenilins are Transcriptional Targets of Parkin</i>	SL-232 Kenneth W. Duncan <i>Targeting the Arginine Methyltransferases</i>	SL-233 Akio Mori <i>Targeting CD28 Signal for Steroid Resistant Asthma</i>	SL-234 James Petrie <i>A New Plant Oil Production Platform: Seed-like Oil Yield from Biomass</i>

<p>1:55 – 2:15 pm SL-235 Mouloud Kecha <i>Antibacterial Polyketide from the Marine Alga-derived Endophytic <i>Streptomyces sundarbansensis</i>: A Study on Hydroxypyrrone Tautomerism</i></p>	<p>2:05 – 2:35 pm IL-236 Sultan Darvesh <i>Butyrylcholinesterase as a Diagnostic and Therapeutic Target for Alzheimer's Disease</i></p>	<p>1:50 – 2:10 pm SL-237 Ernst Schonbrunn <i>Development of Potent Dual Bromodomain-kinase Inhibitors for Cancer Therapy</i></p>	<p>1:40 – 2:00 pm SL-238 Xiaoming Wang <i>The Expression of Plasma miR-199a-5p, miR-200c-3p in Gastric Carcinoma and its Clinical Significance</i></p>	<p>1:50 – 2:10 pm SL-239 Sang-Soo Kwak <i>Metabolic Engineering of Carotenoids in Transgenic Sweetpotato for Sustainable Development on Global Marginal Lands</i></p>
<p>2:15 - 2:35 pm SL-240 Mukhtar Dauda <i>Comparison of In vivo and In vitro Tests of Resistance in Plasmodium falciparum Positive Patients Treated with Artemisinin Based Combination Therapy in Northwestern Nigeria</i></p>	<p>2:35 - 3:05 pm IL-241 Nigel Greig <i>New Pharmacological Tools to Understand and Experimental Drugs to Treat Mild Traumatic Brain Injury and Related Disorders</i></p>	<p>2:10 - 2:30 pm SL-242 Diwan S. Rawat <i>Molecular Hybrids: An Innovative Approach in Drug Discovery</i></p>	<p>2:00 - 2:20 pm SL-243 Weilin Xu <i>The Physical Properties and Biocompatibility of Biomedical Polyurethane Reinforced by Native Silk Fibroin Powder</i></p>	<p>2:10 - 2:30 pm SL-244 Zahid Ali <i>Genetic Stability and Persistence of Morphological Features of Transgenic Pea (<i>Pisum sativum</i> L.) Harboring Na⁺ Antiporter Against Salt Stress</i></p>
<p>2:35 – 2:55 pm SL-245 Mei X. Wu <i>Effective and Lesion-free Cutaneous Influenza Vaccination</i></p>	<p>3:05 – 3:25 pm SL-246 Xudong Huang <i>A Brain-permeable Antioxidant Targeting Aβ Amyloid Pathology</i></p>	<p>2:30 – 2:50 pm SL-247 Eileen J. Kennedy <i>Inhibiting EGFR Dimerization Using Triazolyl-bridged Dimerization Arm Mimics</i></p>	<p>2:20 – 2:40 pm SL-248 Hyung-Kwon Lim <i>Engineering of Novel Domain Antibody Scaffold Using In vivo Protein Folding Pathway</i></p>	<p>2:30 – 2:50 pm SL-249 Seema Sambrani <i>Bioaugmentation of Crude Oil Spills: Bioremediation with a Microbial Formula Tailored with Selected Solvent Tolerant Native Strain</i></p>
<p>2:55 - 3:30 pm KNL-250 Rathnam Chaguturu <i>Scientific Misconduct in Biomedical Sciences</i></p>	<p>3:25 - 3:55 pm IL-251 Jeff Kuret <i>Imaging Agents for Diagnosis of Neurodegenerative Diseases</i></p>	<p>2:50 - 3:10 pm SL-252 Damith G. Udugamasooriya <i>Peptoid-combinatorial Strategies to Target Non-protein Biomarkers in the Tumor Microenvironment</i></p>	<p>2:40 - 3:00 pm SL-253 Ken Saito <i>Biotechnological Approach of MEMS Microrobot System with Artificial Neural Networks Integrated Circuit</i></p>	<p>2:50 - 3:10 pm SL-254 Ming Y. Zheng <i>The Significance of Doubled Haploid Production via Microspore Embryogenesis in Plant Biotechnology and Crop Breeding</i></p>

3:30 - 3:50 pm SL-255 Stanislav Pavelka <i>Iodothyronine Deiodinases: Determination of their Activities by Novel Radiometric Enzyme Assays</i>	3:55 - 4:15 pm SL-256 Cynthia Lemere <i>Alzheimer's Disease Vaccines: Breakthroughs and Setbacks</i>	3:10 - 3:30 pm SL-257 Venkat Subramanian <i>Novel Inhibitors and Chemical Probes to Study the Protein Arginine Deiminases (PADs)</i>	3:00 - 3:20 pm SL-258 Shlomit Kenigsberg <i>The Need for Optimization: Overview of Extracellular Vesicles (EVs) Isolation Techniques from Small Volumes of Serum and Reproductive Biological Fluids</i>	3:10 - 3:30 pm SL-259 Satyawati Sharma <i>Bioremediation of Heavy Metal Polluted and Salt Affected Soils Employing Arbuscular Mycorrhizal Fungi</i>
3:50 - 4:10 pm SL-260 Araz Raof <i>From Patients Biospecimens to Therapeutic Solutions: New Departure in Drug Discovery</i>	4:15 - 4:35 pm SL-261 Jack Rogers <i>Cooperative RNA Modulation of Neurodegenerative Disease Transcripts to Improve Iron Homeostasis while also Providing Anti-amyloid Efficacy</i>	3:30 - 4:00 pm IL-262 Denise de Oliveira Silva <i>Developing Strategies to Build Combined Diruthenium-pharmaceutical Metallodrugs Targeting Cancer Therapy</i>	3:20 - 3:40 pm SL-263 Alexander Trofimov <i>Helio-hero Protected Drink-water and Food: The New Possibilities and Perspectives of the Preventive Medicine</i>	3:30 - 3:50 pm SL-264 Katsuhiko Shiratake <i>Multi-omics Study on Anthocyanin and Resveratrol Accumulations in Grape Berry Skin and Culture Cells</i>
4:10 - 4:30 pm SL-265 Shamsher Ali <i>Bottom-up Approaches for Polymeric Vasculature Tissue Constructs and Cellular Microenvironment</i>	4:35 - 5:05 pm IL-266 Kumar Sambamurti <i>Dietary Restriction to Prevent AD Pathogenesis</i>	4:00 - 4:30 pm IL-267 James B. Hoying <i>Microvessel Adaptation and Plasticity in Microvascular Regeneration</i>	3:40 - 4:00 pm SL-268 Fayyaz Rasool <i>ATPase 6/8 Gene Assisted Genetic Variability Studies Among the Population of Labeorohita</i>	3:50 - 4:10 pm SL-269 Sujing Li <i>Novel Application of Sargassum as a Potential Waste Derived Catalyst for Low Temperature Selective Catalytic Reduction of Nitric Oxides</i>
4:30 - 4:50 pm SL-270 Elizabeth Sobhia <i>Insights from Molecular Dynamics Studies to Combat Isoniazid – Resistant Tuberculosis</i>	5:05 - 5:35 pm IL-271 WeiHong Song <i>Prenatal Vitamin A Deficiency Facilitates Alzheimer's Disease Pathogenesis</i>	4:30 - 5:00 pm IL-272 Nancy L. Parenteau <i>The Rational Biological Design of Regenerative Therapies and Devices</i>	4:00 - 4:20 pm SL-273 Hossain Uddin Shekhar <i>Boosting the Food Functionality (In vivo and In vitro) of Spirulina Grown in Bangladesh by Gamma Radiation: An Inspiring Approach</i>	4:10 - 4:30 pm SL-274 Ngozi Edoh <i>Evaluation of High β-Carotene Cassava Genotypes at Advanced Trial in Nigeria</i>

4:50 - 5:10 pm SL-275 Namrita Lall <i>Untangling the Opportunities from South African Plants</i>	5:35 - 6:05 pm IL-276 Riqiang Yan <i>Title Awaited</i>	5:00 - 5:20 pm SL-277 Xin Wang <i>Neuroprotective Drug Discovery and Neural Stem Cell Research in ALS</i>	4:20 - 4:40 pm SL-278 Mian Zhou <i>Determine the Role and Mechanism of Gene Codon Usage in Regulating Protein Expression and Folding</i>	4:30 - 4:50 pm SL-279 Kazimierz Strzalka <i>Enzymatic De-epoxidation of Violaxanthin and Diadinoxanthin in the Xanthophylls Cycle Requires Presence of Non-bilayer Lipids</i>
5:10 - 5:30 pm SL-280 Waseem Hassan <i>Evaluation of Secondary Metabolites, Micro-macro Elements and Antimicrobial Activity of Cinnamomum tamala Leaves</i>		5:20 - 5:40 pm SL-281 Alessia Cedola <i>X-ray Synchrotron Phase Contrast Tomography for the Investigation of Regenerative Treatment in Neurodegenerative Diseases</i>	4:40 - 5:00 pm SL-282 Mengyi Ren <i>Metallogenic Information Extract and Prognosis Research of Seafloor Polymetallic Sulfide Resources in Southwest Indian Ocean</i>	4:50 - 5:10 pm SL-283 Li Xu <i>Co-display of Synergetic Rhizopus oryzae Lipase and Candida rugosa Lipase 1 Biodiesel Production</i>
5:30 - 5:50 pm SL-284 Stephen G. Ward <i>Pharmacological Manipulation of SHIP-1 Modulates Human T Lymphocyte Adhesion and Migration</i>		5:40 - 6:00 pm SL-285 Robert J. Deans <i>Commercializing Adult Stem Cell Therapeutics for Treatment of Stroke and Acute CNS Injury</i>	5:00 - 5:20 pm SL-286 Menghao Cai <i>Genetically Shaping Morphology of the Filamentous Fungus Aspergillus glaucus for Production of Antitumor Polyketide Aspergiolide A</i>	5:10 - 5:30 pm SL-287 Pengcheng (Patrick) Fu <i>Synthetic Biology of Cyanobacteria for Bioethanol Production</i>
5:50 - 6:10 pm SL-288 Syed W.A. Shah <i>Immunomodulatory Potential of Isolated Constituents from Salix Caprea and Simultaneous Quantification, Method Validation of Five Polar Secondary Metabolites by LC/MS</i>		5:20 - 5:40 pm SL-289 Vladimir P. Baklaushev <i>Targeted Delivery of Liposomes and Nanoparticles in High Grade Glioma Cells In vitro and In vivo</i>	5:30 - 5:50 pm SL-290 Mohamed M. Ibrahim <i>Bio-saline Agriculture of Salicornia begelovii, New Approaches for Biodiesel Production</i>	
COFFEE BREAK: 6:00 – 6:45 pm				

DAY 4: Saturday, July 25, 2015

Chairman: D.K. Lahiri Co-Chairman: M.I. Choudhary	JOINT PLENARY SESSION Location: Ball Room 'B' - Level 3	
Time	Speakers	Titles
8:30 - 9:20 am	Ada E. Yonath (Nobel Laureate) <i>PL-291</i>	<i>Advanced Therapeutics while Preserving the Microbiome</i>
9:20 - 10:10 am	Edmond J. Yunis <i>PL-292</i>	<i>Specific Anti-tuberculin (IgG) High Levels and Lymphocyte In vitro Proliferation with Tuberculin are Better Indicators of LTBI than TST</i>
10:10 - 11:00 am	Richard L. Atkinson <i>PL-293</i>	<i>Current Status of Obesity and the Need for a Paradigm Shift</i>

POSTER SESSION & LUNCH BREAK: 11:00 – 1:00 pm

Locations	Lecture Hall 201 Level 2	Lecture Hall 202 Level 2	Lecture Hall 203 Level 2	Lecture Hall 204 Level 2
Tracks	Drug Delivery & Targeting	Innovative Drug Discovery & Nanotechnology / Drug Metabolism	Plant & Environment / Neurodegenerative Disorders	Pharmaceutical Biotechnology / Other Areas (Nanobiotechnology, bio-safety) / Regenerative Medicine / Industrial & Manufacturing
Chairman: V.Weissig Co-Chairman: A.Puri	Chairman: E.S.Don Co-Chairman: M.C.Vasudev	Chairman: B.Dewprashad Co-Chairman: J. Rogers	Chairman: H.H.-C.Siebert Co-Chairman: E.A.R.Rosa	
1:00 – 1:30 pm <i>IL-294</i> Volkmar Weissig <i>Specific Delivery of Drugs to Mitochondrial Targets: Manipulating Mitochondrial Functions</i>	1:00 – 1:30 pm <i>IL-295</i> Silvia De Paoli <i>Modulatory Effects of Plasma Protein Corona on the Interactions of Nanoparticles with Human Blood Platelets</i>	1:00 – 1:20 pm <i>SL-296</i> Surinder Singh <i>Metabolic Engineering of Long Chain Omega-3 Fatty Acids for the Oilseed Industry</i>	1:00 – 1:30 pm <i>IL-297</i> Habil H.-C. Siebert <i>New Perspectives in Nanomedicine and Nanopharmacology</i>	
1:30 - 2:00 pm <i>IL-298</i> Anu Puri <i>Phototriggerable Lipid Assemblies and their Applications for Dual Drug Delivery</i>	1:30 - 1:50 pm <i>SL-299</i> Stephan T. Stern <i>Generic Nanomedicines: Pharmacokinetic and Bioanalytical Evaluation</i>	1:20 - 1:40 pm <i>SL-300</i> Balaji M. Panchal <i>Inhibition of Chilo Partellus (Lepidoptera: Pyralidae) Gut Proteases by Compounds from Ipomoea batata</i>	1:30 - 2:00 pm <i>IL-301</i> Tun Liu <i>A Comprehensive Approach to Understand Glycosylation of Monoclonal Antibodies</i>	
2:00 - 2:20 pm <i>SL-302</i> Gerard G.M. D'Souza <i>Three Dimensional Cell Culture Models of the Solid Tumor Microenvironment for the Testing of Pharmaceutical Nanocarriers</i>	1:50 - 2:10 pm <i>SL-303</i> Marina A. Dobrovolskaia <i>Immunological Properties of Engineered Nanomaterials and Challenges with their Preclinical Characterization</i>	1:40 - 2:00 pm <i>SL-304</i> Jaeho Lee <i>Effects of Strong Acid and Ionic Materials on Microwave-assisted Thermochemical Hydrolysis of Cattle Manure</i>	2:00 - 2:20 pm <i>SL-305</i> Hala A. Amin <i>Whole Cell Biocatalyst for Soyasapogenol B Production from Soybean Saponin</i>	

<p>2:20 – 2:40 pm SL-306 Aruna Chhikara <i>Co-delivery of Etoposide and Vorinostat Using Poly (Ethylene Glycol) Based Biodegradable Nanogels</i></p>	<p>2:10 – 2:30 pm SL-307 Jiwen Zheng <i>Challenges and Considerations in Nano-drug Characterization</i></p>	<p>2:00 – 2:20 pm SL-308 Im-Gyu Byun <i>Variation of Algae Occurrence Before and After Weir Construction at Mulgeum Site in Downstream the Nakdong River, South Korea</i></p>	<p>2:20 – 2:40 pm SL-309 Bushra H. Kiani <i>Artemisinin Production in Artemisia annua and Artemisia dubia Following Transformation with the Rol ABC Genes and Elucidation of the Sites of its Synthesis</i></p>
<p>2:40 - 3:00 pm SL-310 Josephine S. Modica-Napolitano <i>Treatment Strategies that Enhance the Efficacy and Selectivity of Mitochondria-targeted Anticancer Agents</i></p>	<p>2:30 - 2:50 pm SL-311 Gökhan Savaroğlu <i>The Effect of Ultrasound of Amplitude and Expose Time on the Particle Size and Solubility of Naproxene Sodium</i></p>	<p>2:20 - 2:40 pm SL-312 Ihuoma Okwuonu <i>Effect of Transgene Copy Number on Vector Backbone (VBB) Integration in Transgenic Cassava Genome</i></p>	<p>2:40 - 3:00 pm SL-313 Edvaldo A.R. Rosa <i>Paper-attached Yeast Biofilms. An Alternative for Living Biocatalysts Growth</i></p>
<p>3:00 – 3:20 pm SL-314 Shana Kelley <i>Mitochondrial Targeting of Therapeutics</i></p>	<p>2:50 – 3:10 pm SL-315 Zhi-Ren Liu <i>Development of Protein Agent Targeting Integrins avb3 at a Novel Site by Rational Protein Design</i></p>	<p>2:40 – 3:00 pm SL-316 Benjamin Wolozin <i>Stress Granules and Neurodegeneration: Novel Targets for Therapy in Amyotrophic Lateral Sclerosis and Alzheimer's Disease</i></p>	<p>3:00 – 3:20 pm SL-317 Catherine Michaux <i>Towards a Universal Method for Protein Refolding</i></p>
<p>3:20 - 3:40 pm SL-318 Mu-Ping Nieh <i>Single-step Formation and Cellular Response of Vesicles and Disk-like Bicelles</i></p>	<p>3:10 - 3:30 pm SL-319 Elena S. Don <i>Release-active Antibodies are Innovative Antibodies-based Drugs: New Way to Quality Assessment</i></p>	<p>3:00 - 3:20 pm SL-320 Nipun Chopra <i>Role of Nephrylsin in Alzheimer's Disease</i></p>	<p>3:20 - 3:55 pm KNL-321 Ali Khademhosseini <i>Engineered Hydrogels for Regenerative Medicine Applications</i></p>
<p>3:40 - 4:00 pm SL-322 Upal Roy <i>Prolonged Acting Nanomedicine Based Anti-HIV Drug Delivery Targeting Gut Associated Lymphoid Tissues</i></p>	<p>3:30 - 4:00 pm IL-323 Thomas J. Webster <i>Advances in Nanotechnology for Drug Delivery</i></p>	<p>3:20 - 3:40 pm SL-324 Debomoy K. Lahiri / Frederic Checler <i>Short Discussion</i></p>	<p>3:55 - 4:15 pm SL-325 Samina Khan <i>Production of High Molecular Weight Fungal Pectinase from the Novel Strain of Aspergillus Spp.</i></p>
<p>4:00 – 4:20 pm SL-326 Stephan Stern <i>Nano-formulation Modified Drug Pharmacokinetics and Therapy</i></p>	<p>4:00 - 4:30 pm SL-326(a) Chandra Prakash <i>Title Awaited</i></p>	<p>3:40 – 4:00 pm SL-327 Debomoy K. Lahiri <i>Short Discussion on CAR</i></p>	

4:20 – 4:40 pm

SL-328

Amit Joshi

*Light Triggered Nanoparticle
Theranostics for Cancer*

4:40 – 5:00 pm

SL-329

Shahinaz Shalaby

*Magnetofection Enhancing Suicidal
Gene Therapy of Uterine Fibroid Tumor
Cells*

COFFEE BREAK: 5:00 – 5:30 pm

CASH PRIZE ANNOUNCEMENT FOR THE BEST POSTER AT 5:30 P.M.
(Poster Presenter's Presence is Essential to Receive the Cash Award and Certificate of Merit)

PL: Plenary Lecture ::: KNL: Key Note Lecture ::: IL: Invited Lecture ::: SL: Session Lecture