conferenceseries LLC Ltd

Scientific Program

Annual Biotechnology Congress

July 23-24, 2018 | Vancouver, Canada



Conference Series LLC Ltd

47 Churchfield Road, London, UK, W3 6AY | Toll Free: +1-800-014-8923

Day 1 July 23, 2018

Conference Hall: Birch Room

09:20-09:45 Registrations

09:45-10:00 Opening Ceremony

Keynote Forum

10:00-10:40 **Title: Nitric oxide and heart disease: New discoveries and innovations in diagnostics and therapeutics**
Nathan S Bryan, Baylor College of Medicine, USA

Group Photo

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

11:00-11:40 **Title: Molecular mechanism of Alzheimer's disease**
Zoya Leonenko, University of Waterloo, Canada

11:40-12:20 **Title: Targeted drug delivery and release enabled by nanobiotechnology**
Shyh-Dar Li, University of British Columbia, Canada

12:20-13:00 **Title: Bacteriophage display of peptides for functional degradomics and other applications**
Navneet Sharma, University of Calgary, Canada

Panel Discussion

Lunch Break 13:00-14:00 @ Red Cedar Foyer

Sessions: Genetic Engineering | Algal Biotechnology | Agricultural and Environment Biotechnology | CRISPR | Biomass and Bioenergy | Biomaterials

Session Chair: Nathan S Bryan, Baylor College of Medicine, USA
Session Co-chair: Navneet Sharma, University of Calgary, Canada

Session Introduction

14:00-14:25 **Title: Characterizing constitutive promoters in yeast**
Sabrina Schulze, University of Potsdam, Germany

14:25-14:50 **Title: Bioethics and arguments for and against the human consumption of genetically modified foods in the scientific literature**
Rosa Martha Desentis, Universidad Panamericana, Mexico

14:50-15:15 **Title: Development of an integrated method for utilizing seaweed and seaweed waste to grow fungal marine biomass for bioproducts**
Catalina Landeta Salgado, Chile University School of Engineering, Chile

15:15-15:40 **Title: Use of combined strategy of light intensities and wavelength to enhance the biomass and lipids production on the microalga *Acutodesmus obliquus***
Edisson Tello Camacho, Universidad de La Sabana, Colombia

Panel Discussion

Networking & Refreshment Break 15:40-16:00 @ Red Cedar Foyer

16:00-16:25 **Title: The use of hairy roots for validation of CRISPR/Cas plasmid constructs and genome functional analysis in composite plants**
Bekele Abebie, The Volcani Center, Israel

16:25-16:50 **Title: How molecular biology can help in finding the origin of genetic defects in different populations**
Mehrez Jadaon, Kuwait University, Kuwait

16:50-17:15 **Title: Modern mass spectrometric approaches in quantitative and structural proteomics for biomedical and clinical research**
Christoph H Borchers, University of Victoria, Canada

Panel Discussion

Day 2 July 24, 2018

Conference Hall: Birch Room

Keynote Forum

09:20-10:00 **Title: Construction of biocatalytic micro-reactors with the bacterial ghost platform technology**
Werner Lubitz, BIRD-C GmbH, Austria

10:00-10:40	**Title: Thermostable enzymes involved in alcohol fermentation at high temperatures** **Kesen Ma,** University of Waterloo, Canada
	Panel Discussion
	Networking & Refreshment Break 10:40-11:00 @ Red Cedar Foyer
11:00-11:40	**Title: Electronic water can reduce oxidative stress in cancer and diabetes patients for three weeks drinking** **Masahiro Onuma,** Trisguide ltd, Japan
11:40-12:20	**Title: Nanoscale organization of polymer-nanoparticle assemblies: from biological nanopores to "smart" polymers** **Anton Zilman,** University of Toronto, Canada
12:20-13:00	**Title: Rapid targeting essential enzymes of viruses with biomedical engineering against the pandemic** **Sheng-Xiang Lin,** Laval University, Canada
	Panel Discussion
	Lunch Break 13:00-14:00 @ Red Cedar Foyer
	Poster Presentations 14:00-15:00
	Poster Judges: Werner Lubitz, BIRD-C GmbH, Austria **Kesen Ma,** University of Waterloo, Canada
AB 01	**Title: Genome analysis of bio-control fungus *Trichoderma harzianum* and the biosynthesis of peptaibols alamethicin** **Jian Ling,** Chinese Academy of Agricultural Sciences, China
AB 02	**Title: Hydrolysis of lignocellulose and micro cellulose with novel ulfobetaine–tungstophosphoric acid catalyst** **An-Ya Lo,** National Chin-Yi University of Technology, Taiwan
AB 03	**Title: Effect of polystyrene surfaces and altered polylactic acid surface chemistries on fibrinogen orientation and endothelialization and its application for coronary stents** **Nupur Dave,** Dulles High School, USA
AB 04	**Title: Treatment with low-temperature atmospheric pressure plasma enhances cutaneous delivery of epidermal growth factor by regulating e-cadherin-mediated cell junctions** **Kim Gyoo Cheon,** Pusan National University, Republic of Korea
AB 05	**Title: Expression analysis of the translocator protein 18 kDa (Tspo) mRNA in various human normal and cancer tissues** **Zodwa Dlamini,** Mangosuthu University of Technology, South Africa
AB 06	**Title: *In virto* propagation response of *Rosmarinus officinalis* L. to biotic and abiotic elicitors on phenolic content and photosynthetic pigments** **Aisha Abdullah Alayafi,** University of Jeddah, Saudi Arabia
AB 07	**Title: Pro- apoptotic effects of parthenolide on MDA-MB-468 human breast cancer cells** **Reyhane Hoshyar,** Birjand University of Medical Sciences, Iran
AB 08	**Title: The anti-cancer properties of crocin and epirubicin on chemosensitive cervical cancer cells** **Reyhane Hoshyar,** Birjand University of Medical Sciences, Iran
AB 09	**Title: Association mapping for morphological traits under saline stress in wheat** **Harpreet Singh,** Maharishi Markandeshwar University, India
AB 10	**Title: *In vitro* study of anti-metastatic effect of crocetin on triple negative breast cancer cells** **Laleh Arzi,** University of Tehran, Iran
	Sessions: Agricultural and Environment Biotechnology | Cell science and Cell Biology | BioInformatics | Industrial and Microbial Biotechnology | Recombinant Gene technology | Biomaterials
	Session Introduction
15:00-15:25	**Title: Targeting therapy of hepatocarcinoma by a peptide directed doxorubicin/miRNA liposome** **Yingchun Hou,** Shaanxi Normal University, China
15:25-15:50	**Title: Development of glyphosate-tolerant transgenic potato plants harboring the G2aroA gene** **Arfan Ali,** Four Brothers Group Lahore, Pakistan
	Panel Discussion
	Networking & Refreshment Break 15:20-15:40 @ Red Cedar Foyer
	Award & Closing Ceremony