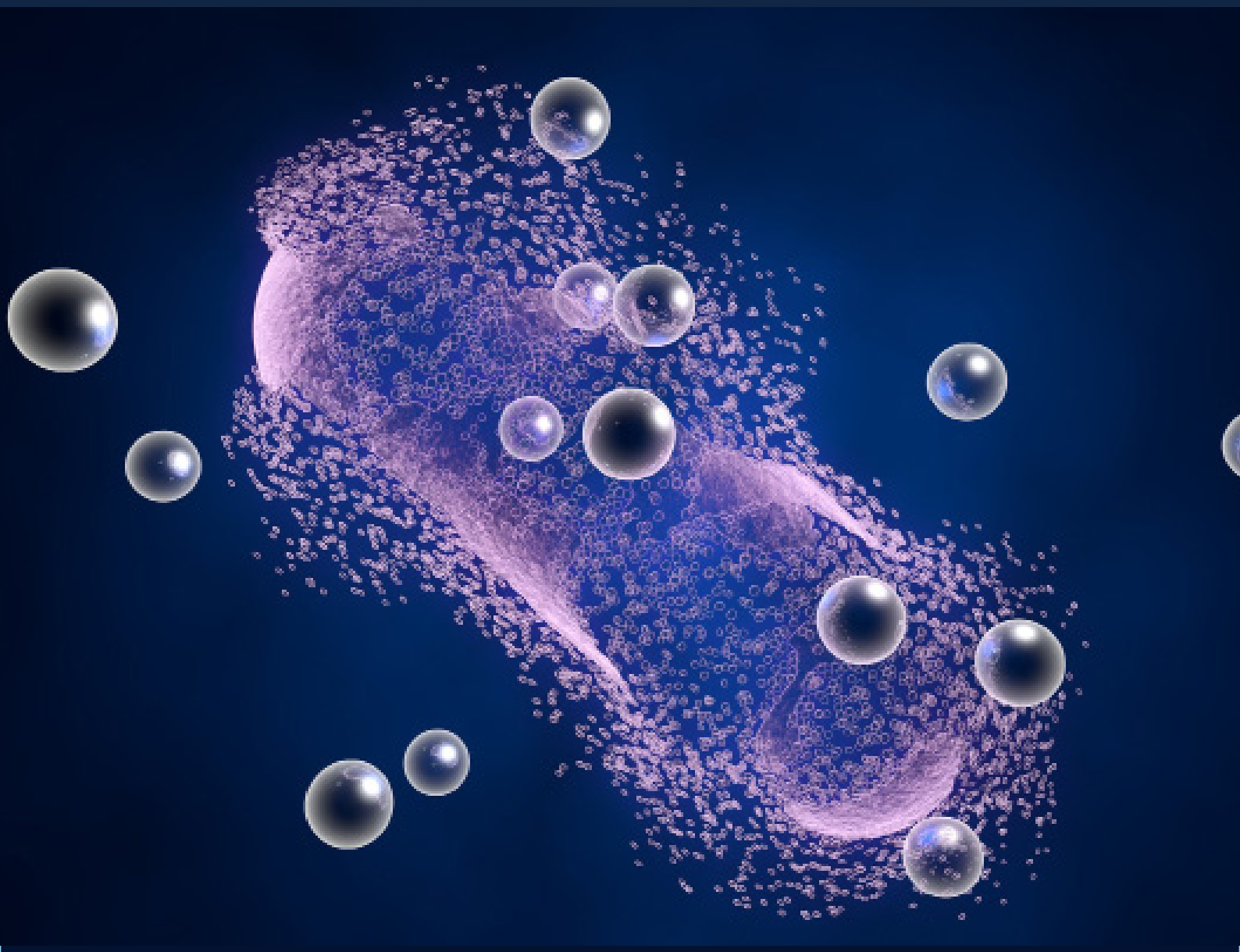


Annual Biotechnology Congress

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, University of Chile, 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: Targeting therapy of hepatocarcinoma by a peptide directed doxorubicin/miRNA liposome

Yingchun Hou, Shaanxi Normal University, China

Video Presentation

16:50-17:10 Title: Detection of rotavirus genotypes with conventional PCR in a group of Iraqi children with acute viral gastroenteritis

Hiba Sabah Jasim, University of Baghdad, Iraq

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 vitro* 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

AB 11 Title: Optimization of single cell protein bioproduction by marine fungi using seaweed biomass

Catalina landeta salgado, University of Chile, Chile

Panel Discussion

Networking 15:00-15:30

Refreshment Break 15:30-15:50 @ Red Cedar Foyer

Award & Closing Ceremony