

## AGENDA

Monday | February 17, 2020 | Day 1

### HALL - Meeting Room: Magma

08:30 - 09:00

Registrations & Souvenir Distribution

09:00-09:30

### Opening Ceremony

### KEYNOTE FORUM

09:30 -10:15

Title: Next generation industrial biocatalysts: Concentrating and stabilizing live cells on surfaces or in flexible biocomposite materials to intensify reactivity

**Michael C Flickinger** | North Carolina State University | USA

**Group Photo 10:15-10:20**

**Networking & Refreshment Break @ Foyer B 10:20-10:40**

10:40-11:25

Title: Precision liquid biopsy based nucleic acid based molecular diagnostics powered by xenonucleic acids

**Michael J Powell** | DiaCarta, Inc., | USA

11:25-12:10

Title: Giant T-patterned purely informational strings and self-similarity from the RNA world to human mass-societies

**Magnus S Magnusson** | University of Iceland | Iceland

12:10-12:55

Title: Advanced novel flow cytometry applications

**Oscar Fornas** | Pompeu Fabra University and Centre for Genomic Regulation in Barcelona | Spain

**Panel Discussion 12:55-13:00**

**Lunch Break @ Foyer B 13:00-14:00**

**Session on:** Biocatalysis and Biotransformation | New IB tools and technologies | Industrial Biotechnology and Fermentation Techniques | Bioplastics and Biopolymers



**Session Chair: Michael C Flickinger**

North Carolina State University  
USA



**Session Co-Chair: Oscar Fornas**

Pompeu Fabra University and Centre for  
Genomic Regulation in Barcelona, Spain

### Session Introduction 14:00-14:05

- 14:05-14:35 Title: Innovative biocatalysis technology and processes for production of hydroxy-funtionalised chemicals  
**Daniel Mink** | InnoSyn B V | The Netherlands
- 14:35-15:05 Title: Advanced machine learning in bioprocess development  
**Maximilian Krippel** | Novasign GmbH | Austria
- 15:05-15:35 Title: Mass scale production strategies for biodegradable polymer from glycerol  
**Ashok Kumar Srivastava** | Indian Institute of Technology Delhi | India
- 15:35-16:05 Title: Introduction by Stilla Technologies  
**Larry Ba** | Stilla Technologies | France

### Networking & Refreshment Break 16:05-16:25 @ Break out area

#### Young Researchers Forum



**Session Chair: Magnus S Magnusson**

University of Iceland  
Iceland



**Session Co-Chair: Moreira A da S**

Federal University of Pelotas  
Brazil

### Session Introduction 16:25-16:30

- 16:30-16:55 Title: 3D-printed microfluidic systems for cell culture and biotechnological applications  
**Ina Siller** | Leibniz University Hannover | Germany
- 16:55-17:20 Title: Development of a biofertilizer for tea agriculture by using different organic materials and bacteria isolated from tea soils  
**Esra Kutlu Sezer** | Ankara University | Turkey
- 17:20-17:45 Title: Screening of antibiotic residue in Kathmandu valley of Nepal: A cross-sectional study  
**Sujan Khanal** | Center for Applied and Allied Science Pvt. Ltd | Nepal
- 17:45-18:10 Title: Formulation and evaluation of (ibuprofen) effervescent granules  
**Hafiz Hafeez Ullah** | The Indus Hospital Kahna Nau | Pakistan

Tuesday | February 18, 2020 | Day 2

KEYNOTE FORUM

09:00-09:45

Title: Novel aspects in the enzyme-based transformation of polyphenols

**Heiko Lange** | University of Naples 'Federico II' | Italy

09:45-10:30

Title: Xanthan pruni, a singular biopolymer produced by Brazilian bacterium strains – 25 years of discovery

**Moreira A da S** | Federal University of Pelotas | Brazil

Networking and Refreshment Break @ Foyer B 10:30-10:50

10:50-11:35

Title: Productivity of biomass and bioenergy in tropical ecosystem through integrated bio-cycle management

**Cahyono Agus** | Universitas Gadjah Mada | Indonesia

**Session on:** Cell and Molecular Biology | Plant Biotechnology | Bioprocessing | Environmental Biotechnology | Climate Change and Its Effects



**Session Chair: Michael J Powells**

DiaCarta, Inc.,  
USA



**Session Co-Chair: Cahyono Agus**

Universitas Gadjah Mada  
Indonesia

Session Introduction 11:35-11:40

11:40-12:10 Title: Machine learning enabled breast cancer detection using salivary

**Masahiro Sugimoto** | Tokyo Medical University | Japan

12:10 -12:40 Title: Air quality status in central shah alam, malaysia using lichens as bioindicator

**Asmida Ismail** | Universiti Teknologi Mara | Malaysia

12:40-13:10 Title: Taxonomic diversity of woody species from 6 agroforestry systems in two sites with a different agricultural development in Nicaragua

**Willan J Caicedo** | CATIE | Ecuador

Lunch Break @ Foyer B 13:10-14:10

14:10-14:40 Title: Effect of Moroccan phosphate sludge-compost associated with arbuscular mycorrhizas and phosphate solubilizing bacteria on growth and development of tomato

**Sanae El Maaloum** | Cadi Ayyad University | Morocco

14:40-15:10 Title: Rift valley soda lakes enzymes and their application in novel leather processing technology for next-generation tanneries

**Francis J Mulaa** | University of Nairobi | Kenya

15:10-15:40 Title: Potential applications of some indigenous bacteria isolated from polluted areas in the treatment of brewery effluents

**Temesgen Oljira** | Wolkite University | Ethiopia

### Panel Discussion 15:40-15:45

### Networking & Refreshment Break @ Foyer B 15:45-16:05

### Poster Presentation 16:05-17:05

PP-01 Title: Comprehensive analysis of molecular mechanism of serine deficiency by computational approach

**Momoko Hamano** | Kyushu University | Japan

PP-02 Title: Butanol production by *Clostridium acetobutylicum* ATCC824 through electrofermentation in defined culture medium supplemented with butyrate

**Ernesto González** | Pontifical Catholic University of Valparaíso | Chile

PP-03 Title: Establishment of in vitro cultures of *Picrolemma huberi* and antiparasitic activity of ethanol extracts

**Rafael G Pereira-Carvajal** | National University of Colombia | Colombia

PP-04 Title: Production of polyhydroxybutyrate at low pH from glycerol using *Acidiphilium cryptum*

**Ernesto González** | Pontifical Catholic University of Valparaíso | Chile

PP-05 Title: Use of the rice husk for the biotechnological production of xylitol in a stirred tank bioreactor using yeast *Candida guilliermondii* ATCC 96745

**Ximena Pinzón-Zarate** | National University of Colombia | Colombia

PP-06 Title: Screening of antibiotic residue in Kathmandu valley of Nepal: A cross-sectional study

**Sujan Khanal** | Center for Applied and Allied Science Pvt. Ltd | Nepal

### Award Presentations Thanks Giving & Closing Ceremony