



UNITED

A non-profit scientific organization

**Scientific
Group**

International Conference on
**Biotechnology and
Genetic Engineering**

October 28-30, 2019

Venue

Paris Marriott Charles de Gaulle Airport Hotel

5 Allee du Verger, Zone Hoteliere

Roissy en France, 95700 France

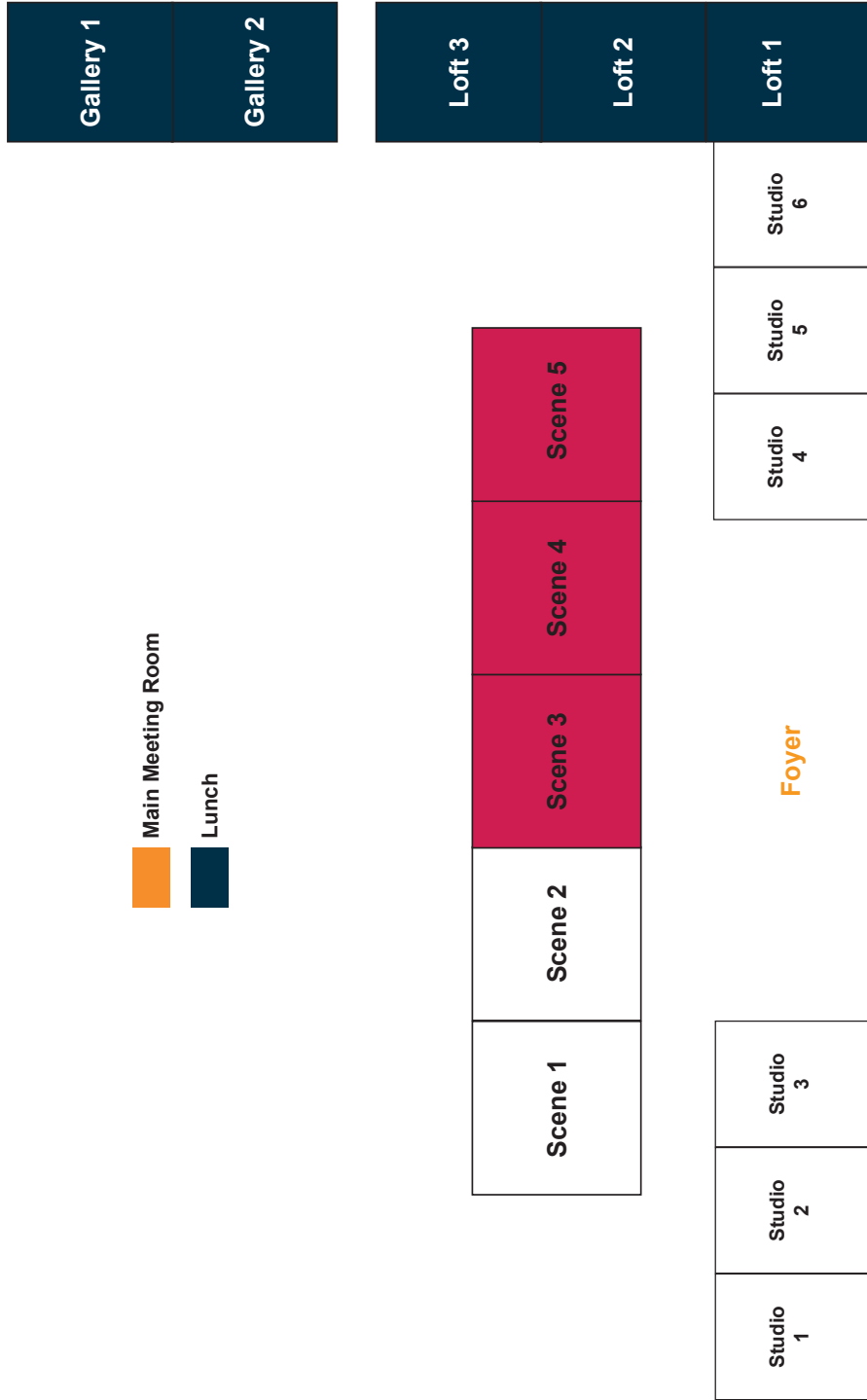


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The event invitation code is: **icbyq**

Venue Floor Plan



WiFi
 Network : Marriott_conf
 Password : marriotttroissy

07:30 Welcome Coffee, Registrations and Badge Pick-up

Keynote Session

@ SCENE 4&5

- 08:10-08:45** **Development of Preclinical Diagnostics of Neurodegenerative Diseases – Illusions or Reality?**
M.V. Ugrumov, Institute of Developmental Biology RAS, Russia
- 08:45-09:20** **Access Models for the Chemical Biology Infrastructure EU-OPENSREEN ERIC**
Wolfgang Fecke, EU-OPENSREEN ERIC, Germany
- 09:20-09:55** **Protoplast Fusion: A Novel Way to Create Antibiotics Against Multi-Drug Resistant Microbes**
Omar Bagasra, Claflin University, USA
- 09:55-10:30** **New Insights into Congenital Clotting Disorders**
Guglielmo Mariani, University of Westminster, UK

10:30-10:50 Coffee & Networking Break

@ FOYER

- 10:50-11:25** **Blood CD34 Cells Dynamics in Diabetic Patients with or without Cardiac Diseases : The Bridge Influence between Nuclear Factors STAT1/6 and PPAR α / α**
Oueslati Ridha, University of Carthage, Tunisia
- 11:25-12:00** **Erythroid Progenitor Targeted Gene Therapy using Bifunctional TFR1 Ligand-Peptides in Human Erythropoietic Protoporphyrin**
Laurent Gouya, INSERM UMR1149, France
- 12:00-12:35** **Inhibition of Calcium Carbonate Scaling by Precipitation using Secondary Nucleation Coupled to Degassing with Atmospheric Air**
Hamza Elfil, Water Researches and Technologies Center-CERTE, Tunisia
- 12:35-13:10** **Lecithin Extracted from a Marine Source in the form of Nanoliposomes as New Generation of Active Vector**
Elmira Arab Tehrani Kahn, University of Lorraine, France

13:10-14:10 Lunch Break

@ LOFT

Session I: Molecular Biotechnology | Industrial Biotechnology

@ SCENE 4&5

Chairs: *Gabriella Fiorentino, University Federico II, Italy*
Wolfgang Fecke, EU-OPENSREEN ERIC, Germany

- 14:10-14:35** **Development of a Platform for Generation of Small Bispecific Affinity Domains**
Sarah Lindbo, KTH Royal Institute of Technology, Sweden
- 14:35-15:00** **Factor VII Deficiency: Clinical Phenotype, Genotype and Therapy**
Guglielmo Mariani, University of Westminster, UK

- 15:00-15:25** **Chances and Challenges of Clinical High-Throughput Sequencing**
Janine Meienberg, Center for Cardiovascular Genetics, Switzerland
- 15:25-15:50** **Application of High Resolution Melting for Spa Methicillin Resistance *Staphylococcus aureus* and *Shigella sonnei* Rapid Genotyping Method for Epidemiological Purposes**
Waleed Abdulmotalib Mazi, King Faisal Medical Complex-Taif, Saudi Arabia
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- 15:50-16:10** **Coffee & Networking Break** **@ FOYER**
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- 16:10-16:35** **Analysis of Mutation Rate of 17 Y-Chromosome Short Tandem Repeats Loci using Tanzanian Father-Son Paired Samples**
Fidelis Charles Bugoye, Government Chemist Laboratory Authority, Tanzania
- 16:35-17:00** **Regulation of Gene Expression for Oil Accumulation System in Oleaginous Yeast *Lipomyces starkeyi***
Sachiyo Aburatani, National Institute of Advanced Industrial Science and Technology, Japan
- 17:00-17:25** **Molecular Mechanisms of Tolerance to Toxic Metal Ions in *Thermus thermophilus* for Biosensor Development**
Gabiella Fiorentino, University Federico II, Italy
- 17:25-17:50** **Sewage Sludge Anaerobic Co-Digestion with Agricultural Straw and its Components: Experimental and Kinetic Study**
Pengfei Li, Southeast University, China

08:00 Welcome Coffee

Session II: Agricultural Biotechnology

@ SCENE 4&5

Chairs: *Cinzia Forni, Universite di Roma Tor Vergata, Italy*
Charles El Hage, University of Melbourne, Australia

08:25-08:50 **Soil Salinization: Approaches to Ameliorate Salt Stress Adaptation in Plants**
C. Forni, Universite di Roma Tor Vergata, Italy

08:50-09:15 **Genetic Diversity in Red Clover (*Trifolium pratense* L.) Cultivars of Russian Breeding Revealed by SSR Analysis**
Shamustakimova Anastasia, FWRC FPA, Russia

09:15-09:40 **Functional Characterization of the First Bioactive Peptide from the Archaeal Kingdom Showing Antimicrobial, Antifungal and Antitumor Activities**
Patrizia Contursi, University Federico II, Italy

09:40-10:05 **Calnexin and Calreticulin as Important Chaperones to Enhance Environmental Stress Tolerance in Plants**
Maryam Sarwat, Amity University, India

10:05-10:30 **Plant Growth-Promoting Bacteria: A Strategy for Enhancing Growth and Protection to Tea Plants**
Shabiha Nudrat Hazarika, IASST, India

10:30-10:50 **Coffee & Networking Break**

@ FOYER

**Session III: Fermentation Process & Enzyme Engineering
Microbiology | Food Biotechnology**

@ SCENE 4&5

Chairs: *Siew Leng Tai, University of Cape Town, South Africa*
Henri-Pierre FIEROBE, Aix-Marseille University CNRS, France

10:50-11:15 **The Use of a Recombinant Canarypox based Equine Influenza Vaccine During the 2007 Australian Outbreak: A Systematic Review and Summary**
Charles El Hage, University of Melbourne, Australia

11:15-11:40 **Nanoscale Metal Microbial Interface of the Metal Immobilizing Thermoacidophilic Archaeon *Metallosphaera sedula***
Tetyana Milojevic, University of Vienna, Austria

11:40-12:05 **Evaluating Bioreactor Performance of a Surface-Aerated Novel Horizontal Tubular Bioreactor with Spiral Impeller for Mammalian Cells**
Siew Leng Tai, University of Cape Town, South Africa

12:05-12:30 **Xyloglucan Utilization by the Cellulolytic Bacterium *Ruminiclostridium cellulolyticum***
Henri-Pierre Fierobe, Aix-Marseille Universite CNRS, France

12:30-12:55 **Detection of CTX-M-15 Harboring *Escherichia coli* Isolated from Wild Birds in Tunisia**
Karim Ben Slama, Universite de Tunis El Manar, Tunisia

12:55-14:00 **Lunch Break**

@ LOFT

- 14:00-14:25** Soluble Recombinant Protein Production in *Escherichia coli*: Effect of Temperature, Agitation Rate and Media Composition on Recombinant Lipase Solubility
Angela Liliana Meza Lopez, Universidad de La Sabana, Colombia
- 14:25-14:50** Metabolic Fluxes-Oriented Control of Bioreactors: A Novel Approach to Tune Micro-Aeration and Substrate Feeding in Fermentations
Teresa Zangirolami, Federal University of Sao Carlos, Brazil
- 14:50-15:15** Natural and "Green" Nanoemulsions from Chia Seeds (*Salvia hispanica* L.) as Potential Active Vectors
Daria Kuznetcova, University of Lorraine, France

15:15-15:30 **Coffee & Networking Break** @ FOYER

**Session IV: Nano Biotechnology | Biotechnology Trends
Biomaterials & Tissue Scaffolds** @ SCENE 4&5

Chairs: *Sara Kanje, KTH Royal Institute of Technology, Sweden*
Teresa Zangirolami, Federal University of Sao Carlos, Brazil

- 15:30-15:55** ZCa – A Calcium Dependent Protein A Domain that Allows for Purification of Antibodies with Elution at Neutral pH
Sara Kanje, KTH Royal Institute of Technology, Sweden
- 15:55-16:20** New Generation of PUFA Rich Nanoliposomes: *In vitro* Neurotrophic Effect
Elodie Passeri, University of Lorraine, France
- 16:20-16:45** Nanofunctionalized Hybrid Hydrogels for Wound Healing Applications
Kamil Elkhoury, University of Lorraine, France

16:45-17:15 **Poster Session** @ SCENE 3

- BCP-01** Tissue Engineering: Development of Scaffolds Composed for Gel of Aloe Vera and Fibroin, through a Device Recently Elaborate on behalf of Optimization of Dermo Epidermal Equivalents
Pablo Prata de Almeida, Higher School Saint Francis of Assisi, Brazil
- BCP-02** Biophysical Characterization of a Feruloil CoA Synthetase and an Enoyl CoA Hydratase/Aldolase, Isolated from a Lignin Degrading Consortium, Involved in the Conversion of Ferulic Acid to Vanillin
Juscemacia Nascimento Araujo, Universidade Federal do ABC, Brazil
- BCP-03** Expression, Purification and Characterization of a Eukaryotic Lytic Polysaccharides Monooxygenase Belonging to the Family AA15 with Chitinase Activity
Wanius Garcia, Universidade Federal do ABC, Brazil
- BCP-04** Highly Sensitive Colorimetric Immunoassay using Enzyme-Catalyzed Silver Growth on Gold Nanoparticle-Assembly Silica Nanostructure
Eunil Hahm, Konkuk University, South Korea
- BCP-05** Genetic Diversity of Alfalfa Cultivars of Russian Breeding Revealed by Microsatellite Markers
Irina Klimenko, Federal Williams Research Center of Forage Production & Agroecology, Russia
- BCP-06** Metagenomic Study of Water Kefir Grains for the Development of Starter Culture and the Isolation of Microorganisms with Probiotic Potential
Laura Jassiel Munoz Puerta, Federico Santa María Technical University, Chile

08:00 Welcome Coffee

**Session V: Medical & Pharmaceutical Biotechnology
Environmental Biotechnology**

@ SCENE 4&5

Chairs: *Im Sampen, JBVAMC, USA*
Giedre Trakiniene, Lithuanian University of Health Sciences, Lithuania

08:30-08:55 Impact of Genetics and Environmental Factors on Third Molar Agenesis
Giedre Trakiniene, Lithuanian University of Health Sciences, Lithuania

08:55-09:20 A Next-Generation Sequencing Approach for Genetic Testing: Targeted Gene Panels
Ana Gorostidi Pagola, IIS Biodonostia, Spain

09:20-09:45 New Episomal Expression Vector for Protein Directed Evolution in Yeast *Pichia pastoris*
Alexander Schmidt, PNPI, Russia

09:45-10:05 Coffee & Networking Break

@ FOYER

10:05-10:30 Scale Up of Live Biotherapeutics Production for Reproductive Health in South Africa
Marijke Fagan-Endres, University of Cape Town, South Africa

10:30-10:55 Insightful Understanding of Osteoarthritis Joint Pain and Disease-Specific Drug Target
Im sampen, Jesse Brown Veterans Affairs Medical Center, USA

10:55-11:20 Tailor-Made "Smart" Capsules Based on Biopolymer: Towards a New Generation of Drug Delivery System
Sabrina Belbekhouche, Institut de chimie des Materiaux de Paris Est, France

11:20-11:45 Production of Biochar Material using Supercritical Alcohol and Thermal Carbonization Technology from Raw Kitchen Waste
Je Lueng Shie, National I-Lan University, Taiwan

11:45- Lunch& Departures

@ LOFT

We wish to see you at Biocon-2020



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USG-United Scientific Group (A non-profit scientific organization)

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