

5th Edition of Euro-Global Conference on Biotechnology and Bioengineering

Theme: Biotechnology and
Bioengineering: Bridging Science
and Industry

18-20
SEPTEMBER
2025

Our Scientific Committee



THOMAS J WEBSTER
Interstellar Therapeutics,
United States



STEVE BUSBY
University of Birmingham,
United Kingdom



MURRAY MOO YOUNG
University of Waterloo, Canada



MICHELE MISHTO
Francis Crick Institute,
United Kingdom



LUIS JESUS VILLARREAL
GOMEZ
Universidad Autonoma de Baja
California, Mexico



ANANT MARATHE
Total Potential Cells (P) Ltd, India

Scientific TOPICS

- Molecular Biotechnology & Cellular Biotechnology
- Agricultural & Plant Biotechnology
- Marine & Aquatic Biotechnology
- Nano-Biotechnology & Biomaterials
- Stem Cell & Regenerative Medicine
- Tissue Engineering & 3D Bioprinting
- Neurobiotechnology & Brain Engineering
- Gene Therapy & RNA Therapeutics
- Bioplastics & Biopolymers
- Bioelectronics & BioMEMS
- Biotech Innovations & Startups
- Proteomics and Metabolomics Engineering

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VENUE

Sheraton Skyline Hotel London
Heathrow Heathrow Airport,
Bath Rd, London, England United
Kingdom, UB3 5BP

Thomas J Webster, Interstellar Therapeutics, United States

Title: Eliminating implant infection: 30,000 nanotextured implants in humans with no failure

Murray Moo Young, University of Waterloo, Canada

Title: Biotech innovations: Bioengineering potential for new biomanufacturing systems

Michele Mishto, Francis Crick Institute, United Kingdom

Title: Targeting noncanonical epitopes in anti-cancer immunotherapy

Julia Sidorova, Centro de Investigación Biomédica En Red Enfermedades Hepáticas y Digestivas (CIBEREHD), Spain

Title: Information leakage: Types, remedies, and open problems

Luis Jesus Villarreal Gomez, Universidad Autonoma de Baja California, Mexico

Title: Development and characterization of exo-ITC: A fibrous bilayer exosome delivery system for dermatological applications

Anant Marathe, Total Potential Cells (P) Ltd, India

Title: Stem cell therapy: An affordable healthcare therapy for various diseases

Assad Al Ammar, Specialty Enzymes and Probiotics, United States

Title: Effect of maltogenic amylase, high-performance maltogenic amylase enzymes, and Bacillus coagulans probiotic bacteria on the shelf life and other properties of baked bread and tortilla

Rithik Samanthula, Thomas Jefferson High School for Science and Technology, United States

Title: Application of convolutional neural networks in classification of GBM for enhanced prognosis

Gaurav Sharma, Eigen Sciences LLC, United States

Title: Computational simulations of antibodies to target Streptococcus anginosus surface protein (TMPC) to mitigate gastric cancer

Davide Frumento, RomaTre University, Italy

Title: Flu vaccines available in Italy for the youth population

Tina Moller Tagmose, Novo Nordisk A/S, Denmark

Title: Solving the challenges of engineering an ultra-long acting insulin-Fc conjugate

Viggo Bitsch, Retired, Independent Researcher, Denmark

Title: On the lines of antigen-antibody interactions in vitro and their significance for sensitive and specific antigen and antibody assays – including hybrid ELISAs – and for the possibility of more efficacious vaccines

Aslani Kyriaki-Evangelia, University of the Peloponnese, Greece

Title: Effect of micromagnetorotation on magnetohydrodynamic blood flows

Dalma Dojcsak, University of Miskolc, Hungary

Title: Decoding pediatric appendicitis disease: Glycosylation insights via HPLC and mass spectrometry

Timea Gerzsényi, University of Miskolc, Hungary

Title: Investigation and optimization of DNA isolation efficiency using ferrite-based magnetic nanoparticles

Yin Ying Ho, Agency for Science, Technology and Research (A*STAR), Singapore

Title: Mass spectrometry-based approaches for process optimisation and product quality applications in biomanufacturing

Maria Victoria Vega, University National of Formosa, Argentina

Title: A firm step towards water sustainability: Success in the potential irrigation effluent and cloning

Nandakumar Arumugam, Ulsan National Institute of Science and Technology, Korea, Republic of

Title: Engineering *Pseudomonas putida* KT2440 for efficient 3-HP production and its evaluation using different carbon sources

Sadaf Ilyas Kayani, Jiangsu University, China

Title: Transcriptional and hormonal regulation of industrially important metabolites biosynthesis in plants and microalgae

Alvina Farooqui, Integral University, India

Title: Aluminium mediated expression of dehydration stress protein and ability of Al-acclimatized immobilized *Nostoc muscorum*: A strategy to combat abiotic stress and its potential as a biofertilizer

Vijay Prabha, Panjab University, India

Title: Evaluation of sperm immobilization factor from *Staphylococcus aureus* as a potential candidate for male contraception

R B Deshmukh, Savitribai Phule Pune University, India

Title: AM fungi and potential applications

Pawar Sunil Trimbak, Tuljaram Chaturchand College, India

Title: Studies of halotolerant PGPR inoculants for sustainable agriculture

Jitendra Singh, Indian Institute of Technology Guwahati, India

Title: Bio-fermentation for enhanced dihydroxyacetone production from crude glycerol using *gluconobacter oxydans* NBRC 14819

Farha Shameer, Sahrdya College of Engineering and Technology, India

Title: Production of xylitol using water hyacinth

Seeta Dewali, Kumaun University, India

Title: Probiotic bacteria: Revolutionizing human health and disease management

Dheeraj Chitara, JECRC University, India

Title: Proteins under pressure: Rethinking folding pathways through big data and atomistic modelling

Saba Siddiqui, Integral University, India

Title: Actinobacteria as eco-friendly biopesticides: A sustainable approach to pest management

Veeramani Thangasamy, PRIST Deemed to be University, India

Title: Artificial intelligence in marine biotechnology

Namrata Gupta, Chandigarh University, India

Title: Functional dissection of LANA binding site LBS3/RE (replication element) in viral genome replication and persistence of Kaposi's sarcoma-associated herpesvirus

Sanny C Babera, President Ramon Magsaysay State University, Philippines

Title: Conservation of exotic and endangered terrestrial and aquatic animals through biotechnology

Benedicte Sophie Adjoua Akakpo, University of Abomey-Calavi, Benin

Title: Use of ¹H NMR spectroscopy in finding unusual conformations of saturated six-membered heterocyclic compounds

Benouadah Nacera, ISQI, University of M'Hamed Bougara, Algeria

Title: GGM-Guar gum-based films as biodegradable biomaterial

Abdulsada A Rahi, Wasit University College of Science, Iraq

Magda Abdulkalek Ali Al Rubaie, Science College of Wasit University, Iraq

Title: Production of nanoliposomal amphotericin B topical gel as effective treatment for human Cutaneous Leishmaniasis (CL) disease

Khashayar Partovi, ISQI, Iran (Islamic Republic of)

Title: Bioleaching of metals from cellphones batteries by a co-fungus medium in presence of carbon materials

Ebrahim Alinia Ahanani, Guilan University of Medical Sciences, Iran (Islamic Republic of)

Title: Covert threats to human reproduction: Reproductive toxicity of banned and unregulated compounds in cosmetic products

Sobhan Khodadadi Arpanahi, University of Cambridge, Iran (Islamic Republic of)

Title: Binary and weighted network analysis and its applications to functional connectivity in subjective memory complaints: A resting-state fMRI approach

Aygun, Veterinary Research Institute of the Ministry of Agriculture, Azerbaijan

Title: Factors influencing the dynamics of the spread of Echinococcosis granulosis infection in animals and humans in Azerbaijan

Karabelo Macmillan Moloantoa, University of KwaZulu-Natal, South Africa

Title: Evaluating the effects of pH and temperature on sulphate-reducing bacteria and modelling of their effects in stirred bioreactors

Groga Noel, Université Jean Lorougnon Guédé, Cote d'Ivoire

Title: Assessment of the beneficial effect of using fresh Azolla filiculoides in the productivity of the integrated rice-fish system at Bonoufla, Côte d'Ivoire

Akpa Eric Essoh, Felix Houphouët-Boigny University, Cote d'Ivoire

Title: Toward biocontrol of avian pathogenic microorganisms in Côte d'Ivoire with selected probiotics belonging to lactic acid and acetic acid bacteria

Ellele Aime Marius Yapi, Institut National D'hygiène Publique, Cote d'Ivoire

Title: Use of biofertilizers in agriculture: The case of hygienized human excreta in cocoa production in the village of Blanfla (Bouafle, Côte d'Ivoire)

Hellen Gathiru Kariuki, CIFOR-ICRAF, Kenya

Title: Screening extracts of fungal endophytes isolated from *Allophylus abyssinicus* (Hochst. Radlk.) for control of bean anthracnose

Birhanu Babiye, Addis Ababa Science and Technology University, Ethiopia

Title: Metabolomics: A tool for targeted and untargeted stepwise applications in crop improvement

Tadesse Abate, Wollo University, Ethiopia

Title: Genetic diversity study of Quartin clover (*Trifolium quartinianum*) and Steudneri clover (*Trifolium steudneri*) accessions of Ethiopia using Inter Simple Sequence Repeat (ISSR) markers

Auwalu Muttaka, Federal University Gusau, Nigeria

Title: Current advances, future directions, challenges, and opportunities in biotechnology

Soromou Lanan Wassy, University of Labé, Guinea

Title: Impact of the use of antibiotics in livestock farming on human and environmental health: The One Health approach

B M Mahmudul Hasan, Trust University, Bangladesh

Title: Isolation, identification and characterization of *Rhizobium* sp

Md Shahinur Islam, Bangladesh Atomic Energy Commission, Bangladesh

Title: Molecular gut content analysis of generalist predators to identify specific predator-prey relationships for advanced integrated pest management

Iqtidar Hussain, Gomal University, Pakistan

Title: Managing allelopathic weeds in wheat cultivars: Strategies for arid conditions in D.I. Khan, KP, Pakistan

Naaz Abbas, PCSIR, Pakistan

Title: Microbial cellulose production from *Acetobacter*

Oral presentation slots are available

Farah Alrammah, Kaust, Saudi Arabia

Title: Design of a synthetic microbial community (SynCom) with high crude oil-degrading potential for bioremediation applications

Umer Anayyat, Shenzhen University, China

Title: Neuroprotective effect of RMF in sporadic Parkinson's disease model mice

Meenu, DCR University, India

Title: Optimization of fermentation conditions and capsule formulation for enhanced bioactive compound delivery from medicinal mushrooms

Rahal El Kahkahi, FSM, Morocco

Title: A review on the medicinal uses of clove (*Syzygium aromaticum*)

Danisile Tembe, University of KwaZulu-Natal, South Africa

Title: The effects of different doses of paracetamol on the development and morphometry of insects with forensic value

Regina Jacob, The Nelson Mandela Institution of Sciences and Technology, Tanzania, United Republic of

Title: Unlocked nature beneficial of *Trichoderma harzianum* and *Penicillium chrysogenum* on soil health using *Eleusine indica* and *Amaranthus spinosus* plant growth in Singida, Tanzania

Onwa Collins Ndubuisi, Alex-Ekwueme Federal University Ndufu Alike Ikwo, Nigeria

Title: Virulent properties in *Escherichia coli* strains isolated from abattoir effluents, kunu drinks and urine samples within abakaliki metropolis, South East, Nigeria

Olanike Maria Buraimoh, University of Lagos, Nigeria

Title: Toxicological evaluation of organic acids produced by *Aspergillus* strain R62 MK542010 using cassava waste substrate

Nida Tabassum Khan, BUITEMS, Pakistan

Title: Nanodevices

Poster presentation slots are available
