Tentative Program

22nd Global Congress on Biotechnology

February 28 - March 2, 2019 | Berlin, Germany



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

For available speaker slots

https://biotechnology.conferenceseries.com/

22nd Global Congress on Biotechnology

February 28 - March 2, 2019 | Berlin, Germany

Program at a Glance				
Day 1				
Morning Sessions	Reception/Registration	08.00-09.00		Speakers for Day 1
		Time	General Session	
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address	
		09.15-09.45	Keynote/Plenary Talk 1	
		09.45-10.15	Keynote/Plenary Talk 2	
		10.15-10.45	Keynote/Plenary Talk 3	
	Panel Discussions/Group Photo			
	Coffee/Tea Break 10.45-11.00 (Networking)			
	11.00-12.40	5 Speakers (20 Mins Each)		
	Lunch Break 12.40-13.30			
	13.30-15.30	6 Speakers (20 Mins Each)		
	Coffee/Tea Break 15.30-15.45 (Networking)			
	15.45-17.25	5 Speakers (20 Mins Each)		
Day 2				
Morning Sessions		Time	Session 1	Session 2
	09.00-10.40		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)			
	10.55-12.35		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Evening Sessions	**Lunch Break 12.35-13.25**			
	13.25-15.05		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 15.05-15.20 (Networking)			
	15.20-17.00		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Day 3				
Morning Sessions		Time	Session 1	Session 2
	09.00-10.40		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)			
	10.55-12.35		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Evening Sessions	**Lunch Break 12.35-13.25**			
	13.25-15.05		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Poster Sessions			
	Coffee/Tea Break 15.05-15.20 (Networking)			
	15.20-17.00		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Awards & Closing Ceremony			

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

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For more Details PS: https://biotechnology.conferenceseries.com/

Conference Highlights

- Industrial Biotechnology
- Pharmaceutical Biotechnology
- Algal Biotechnology
- Medical Biotechnology
- Plant and Agriculture Biotechnology
- Environmental Biotechnology
- Nano Biotechnology
- Biotechnology and Bioprocess Engineering
- Systems and Synthetic Biotechnology
- Biotechnology Applications
- CRISPR Based Technologies and Bio-products
- Biomass and Bioenergy
- Bioeconomy
- Biotechnology Enterprise and Entrepreneurship
- Biotechnology Products
- Biotechnology Companies & Market Analysis
- Europe Biotech Market
- Biotechnology Capital & Grants
- Stem Cell Biotechnology
- Animal biotechnology
- Microbial/Industrial biotechnology
- Food biotechnology

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Glimpses


conference

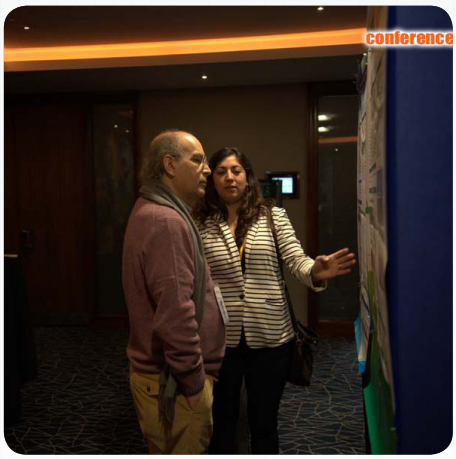

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Registrations

Armstrong

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Opening Ceremony

Keynote Forum

Title: Kinetic and molecular dissection of coupled ion-substrate membrane transport proteins
Peter J F Henderson, Astbury Centre for Structural Molecular Biology - University of Leeds, UK
Title: Mixing enzyme discovery with engineering for sucrose-derived bioproducts: The case of GH13 and GH70 polymerases
Magali Remaud Simeon, INSA - Université de Toulouse, France

Group Photo

Networking & Refreshment Break

Title: Proteolytic abzymes as translational tools of the newest generation to be exploited for biodesign and bioengineering
Sergey Suchkov, I M Sechenov First Moscow State Medical University, Russia
Title: Developing site-specifically modified ADCs using a chemoenzymatic approach
David Rabuka, Catalent Biologics, USA

Sessions: Industrial Biotechnology | Pharmaceutical Biotechnology | Biotechnology Applications

Session Chair: Sergey Suchkov, Moscow State Medical University, Russia

Session Introduction

Title: Efficiency of the antioxidative system is the first prerequisite for effective doubled haploids production with the use of isolated microspore culture method
Iwona Zur, Polish Academy of Sciences, Poland

Lunch Break

Title: Development of approach to obtain *Brachypodium distachyon* L. regenerative plants with morphogenetic stability
Omirbekova N Zh, Al-Farabi Kazakh National University, Kazakhstan
Title:Toxicological aspects of physiological and biochemical changes with potassium silicate and silica nano-particles on albino rat
Helmi Mohamed El-bendary, Fayoum University, Egypt
Title: Engineering carbon-conserving synthetic pathways for assimilation and conversion of C5/C6 carbon sources into added value chemicals
Jean M Francois, Université Fédérale Toulouse Midi-Pyrénées, France

Sessions: Structural Enzymology | Enzymology & Biochemistry

Session Chair: Magali Remaud-Simeon, INSA-Tolouse, France

Session Introduction

Title: Molecular enzymology of DNA methyltransferases – conformational changes and allosteric regulation
Albert Jeltsch, University Stuttgart, Germany

Networking & Refreshment Break

Title: N-acyltransferases and their role in fatty acid amide biosynthesis
David J Merkler, University of South Florida, USA
Title: Lysyl oxidase: A versatile and elusive enzyme
Karlo M Lopez, California State University-Bakersfield, USA
Title: ProxiMAX randomization: Precision protein engineering
Anna V Hine, Aston University, UK
Title: Stability and function of a thermophilic cytochrome c'
Sotaro Fujii, Hiroshima University, Japan

Networking and Award Ceremony

Panel Discussion

Day 2 March 06, 2018

Armstrong

Keynote Forum

Title: Principles of profiling as applicable to the infrastructure of continuous education system to impact for having drug designe to suit an innovative model of translational pipeline
Sergey Suchkov, I M Sechenov First Moscow State Medical University, Russia

Networking & Refreshment Break

Title: Plasmonic biosensors on demand: Tunable penetration depth, compactness, ultrahigh sensitivity and enhanced spectroscopies
Ibrahim Abdulhalim, Ben-Gurion University of the Negev, Israel
Title: Thermophilic enzymes with applications for industrial biocatalysis
Jennifer A Littlechild, University of Exeter, UK
Title: How urease accessory proteins coupled GTP hydrolysis/binding to nickel delivery to urease?
Kam Bo Wong, The Chinese University of Hong Kong, China

Lunch Break

Poster Presentations

PS 1 **Title: Inhibition of Lysyl oxidase in breast cancer cells by small-molecule inhibitors**
Kathryn A Johnston, California State University, USA

PS 2 **Title: Design, construction and extracellular expression of L-asparaginase from *Dickeya chrysanthemi* in yeast**
Brian Effer, University of La Frontera, Chile

PS 3 **Title: Study of the potential use of antifreeze proteins of *Deschampsia antarctica* in the cryopreservation of *Salmo salar spermatozoa***
Short S, Universidad de La Frontera, Chile

PS 4 **Title: Characterization of antifreeze activity in apoplastic extract of *Deschampsia antarctica***
Farías J G, Universidad de La Frontera, Chile

PS 5 **Title: Computer aided screening of mangrove ecosystem derived compound against acetyl-cholinesterase**
Shahid ullah, Shenzhen University, China

Sessions: Molecular Enzymology | Enzyme Therapeutics | Enzymology in drug discovery | Industrial Biotechnology | Biotechnology Applications

Session Chair: Jennifer A Littlechild, University of Exeter, UK

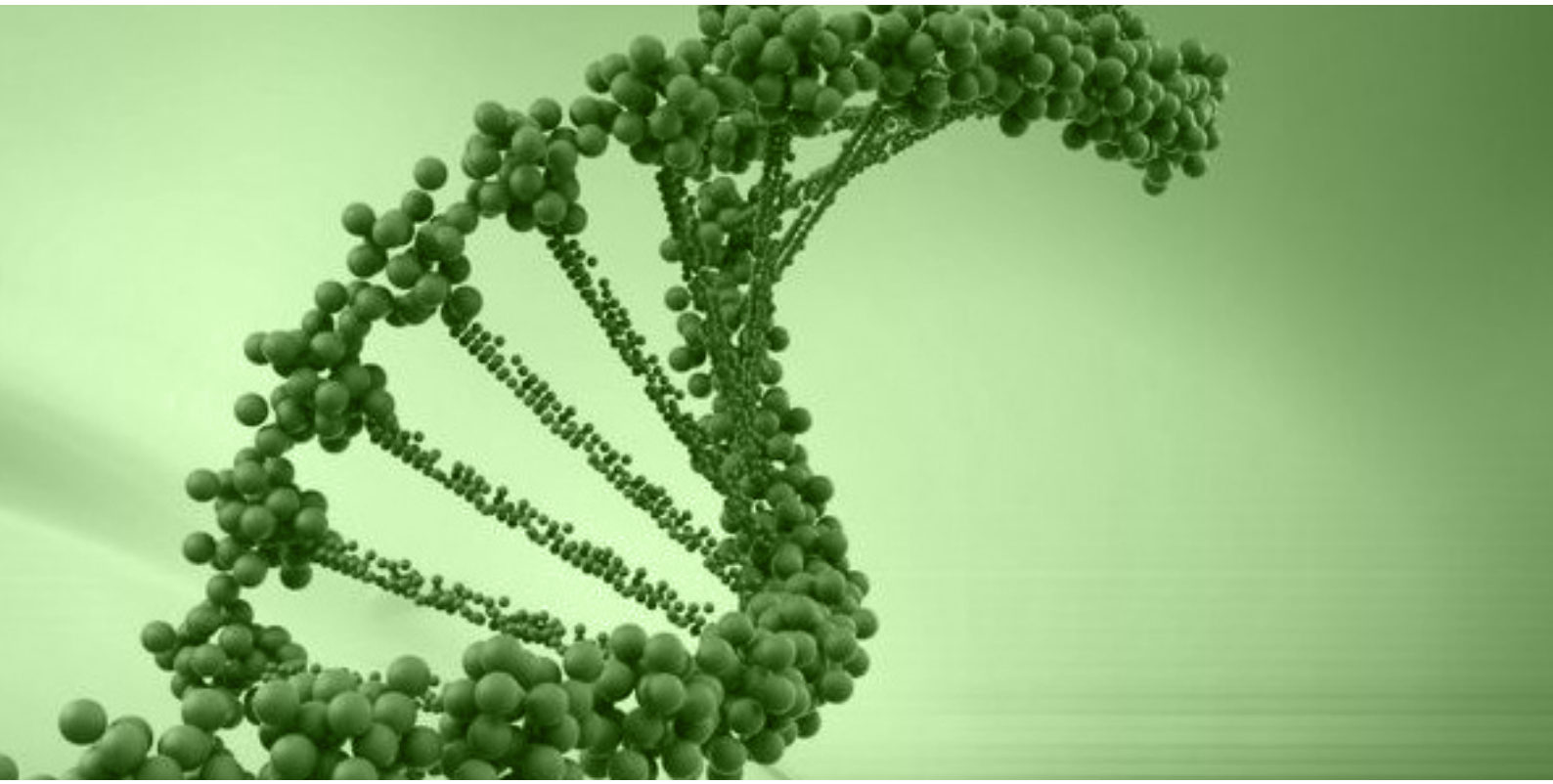
Session Co-Chair: Shree Kumar Apte, Bhabha Atomic Research Centre, India

Session Introduction

Title: Engineering cyanobacterial nitrogen bio-fertilizer for rice cultivation in stressful environment
Shree Kumar Apte, Bhabha Atomic Research Centre, India
Title: The dual role of integrase in HIV-1 replication
Mamuka Kvaratskhelia, University of Colorado School of Medicine, USA
Title: Characterization of cystathionine γ-lyase from *T. gondii*: A target for drug development?
Alessandra Astegno, University of Verona, Italy

Networking & Refreshment Break

Title: Infulence of four kinds of additives and concentration on oats silage effect
Yungui Yang, Northwest A & F University, China
Title: Enhanced production of *Bacillus thuringiensis* subspecies israelensis delta endotoxin by the use of rotten pineapple juice and fish-amino acid as medium ingredients
C Gopinathan, University of calicut, India
Title: Structure/function of 3'-phosphoadenosine 5'-phosphosulfate (PAPS) synthase (PAPSS)
K V Venkatachalam, Nova Southeastern University, USA (VP)



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21st European
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October 11-12, 2018 Moscow, Russia

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Registrations

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Opening Ceremony

Keynote Forum

Title: Structure-guided design of selective matrix metalloproteinase (MMP) inhibitors and their application in animal models of multiple sclerosis, sepsis, and osteoarthritis
Gregg B Fields, Florida Atlantic University, USA
Title: Developing the bio-economy: Fast track discovery of new enzymes for efficient and value added biomass conversion
Lene Lange, Technical University of Denmark, Denmark
Title: Inhibition of protein tyrosine phosphatase-1B *in vitro* and *in vivo*
Marvin W Makinen, The University of Chicago, USA

Group Photo

Networking and Refreshment

Title: Choosing between patents and trade secrets for protecting biotech products or bio-production processes
Paul Calvo, Sterne Kessler Goldstein & Fox, USA
Title: AvidinOX-targeted delivery: A new way to improve efficacy of well-known monoclonal antibodies for cancer therapy
Rita De Santis, Sigma Tau SpA, Italy

Sessions: Structural Enzymology | Enzymology & Biochemistry

Session Chair: Rachel Chen, Georgia Institute of Technology, USA
Session Co-chair: Dejan Bezbradica, University of Belgrade, Serbia

Session Introduction

Title: Allokairic regulation of enzyme function
Brian G Miller, Florida State University, USA
Title: *Candida albicans* glutathione reductase downregulates Efg1-mediated cyclic AMP/ protein kinase A pathway and leads to defective hyphal growth and virulence upon decreased cellular methylglyoxal content accompanied by activating alcohol dehydrogenase and glycolytic enzymes
Min Kyu Kwak, Seoul National University, South Korea
Title: Biotechnological and molecular genetics approaches in the study of enzymes involved in the etiopathogenesis of dental caries
Petra Borilova Linhartova, Masaryk University, Czech Republic
Title: Enzymatic synthesis of prebiotic galacto-oligosaccharides: Application of nanobiocatalysts and structural characterization of product
Dejan Bezbradica, University of Belgrade, Serbia

Lunch Break

Title: The effect of natural deep eutectic solvent on laccase catalyzed polycatechin synthesis
Ayse Ezgi Unlu, Ankara University, Turkey
Title: Biochemical effect of some antioxidant on metabolic changes in experimentally induced tumor in female mice
Mohammed F. EL-Shiekha, October 6 University, Egypt
Title: Metabolic engineering strategies for effective use of glycosyltransferases in oligosaccharide synthesis
Rachel Chen, Georgia Institute of Technology, USA
Title: Inhibition of the RNA-dependent RNA polymerasic activity of *Flavivirus* NS5 by heterocyclic compounds
Giuseppe Manfroni, Università degli Studi di Perugia, Italy
Title: Knockdown of RPS3, a DNA repair endonuclease, impedes colon cancer growth and progression by decreasing lactate dehydrogenase activity
Zeina Nasr, University of Balamand, Lebanon
Title: Pharmacological chaperones for curing enzymopathies: The case of lysosomal alpha-galactosidase
Valentina Citro, University of Naples Federico II, Italy

Networking and Refreshment

Sessions: Pharmaceutical Biotechnology | Biotechnology in Healthcare | Industrial and Microbial Biotechnology | Environmental Biotechnology | Advances in Biotech Manufacturing

Session Chair: Jan Szopa, Linum Foundation, Poland

Session Co-chair: Enache Madalin, Institute of Biology Bucharest of the Romanian Academy, Romania

Session Introduction

Title: Internalization of antibody fragments directed against FGFR1

Lukasz Opalinski, University of Wroclaw, Poland

Title: Halophilic microorganisms from mural paintings in old Romanian historical monument church and their interactions with nanomaterials

Enache Madalin, Institute of Biology Bucharest of the Romanian Academy, Romania

Title: Application of enzymes in the pulp and paper industry

Mija Sezun, Pulp and Paper Institute, Slovenia

Title: Microbial bioconversions of biologically active P-C compounds: Scope and limitations of scaling-up

Ewa Zymanczyk-Duda, Wroclaw University of Science and Technology, Poland

Title: How to tune recombinant protein production in *E. coli* for enhanced proeduction of biopharmaceuticals?

Oliver Spadiut, TU Wien, Austria

Title: Cell wall integrity checkpoint protein Rlm1p as novel transcriptional regulator of F-box encoding gene SAF1 of S. cerevisiae during stress

V Verma, Sri Mata Vaishno Devi University, India

Title: The investigation of effects of commercial protease and *Bacillus subtilis* 168 E6-5 protease on felting and dyeing behaviour of 100% wool fabric

Tuba Sevgi, Uludag University, Turkey

Panel Discussion

Day 2 March 21, 2017

Olimpica 1

Keynote Forum

Title: Optimizing flax fibers for tomorrow's therapeutics

Jan Szopa, Linum Foundation, Poland

Title: Uranium bio-precipitation and recovery from high radiation environments: New approaches

Shree Kumar Apte, Homi Bhabha National Institute, India

Title: New drugs and catalysts inspired by glutathione peroxidase

Claudio Santi, University of Perugia, Italy

Networking and Refreshment Break

Title: Bromoperoxidase mimicking bromination catalysts

Toshiyuki Moriuchi, Osaka University, Japan

Sessions: Biotechnology Applications | Environmental Biotechnology | Agriculture Biotechnology

Session Chair: Shree Kumar Apte, Homi Bhabha National Institute, India

Session Introduction

Title: Screening of petroleum degrading *Bacillus spp.* strains isolated from different non-contaminated soil samples

Tuba Sevgi, Uludag University, Turkey

Title: Identification and characterization of a novel thermo stable and oxidant stable protease from Chumathang hot spring using functional metagenomics

Shafaq Rasool, Shri Mata Vaishno Devi University, India

Title: Salt tolerance of potato: Genetically engineered with *Atriplex canescens* BADH gene driven by 3 copies of CAMV35s promoter

Arfan Ali, University of Lahore, Pakistan

Special Session

Title: The extraribosomal role of ribosomal proteins

Zeina Nasr, University of Balamand, Lebanon

Lunch Break

Poster Presentations

BT-01	**Title: Lactic acid production from hemicellulosic fraction of sorgum bagasse by Lactobacillus pentosus** **Danielle da Silveira dos Santos Martins,** Federal University of Rio de Janeiro, Brazil
BT-02	**Title: Biorefinery safety: The role of INAIL in Italy** **Biancamaria Pietrangeli,** INAIL, Italy
BT-03	**Title: Antimicrobial activities of seeds extracts of *Prunus persica, Prunus cerasus, Prunus avium and Prunus armeniaca*** **Tuba Sevgi,** Uludag University, Turkey
BT-04	**Title: Construction, expression and characterization of a cancer-specific fusion protein targeting CD22 in B-cell malignancies** **Solmaz Agha Amiri,** Pasteur Institute of Iran, Iran
ENZ-05	**Title: Optimisation of catalase activity by *Rhodotorula glutinis* using experimental design** **Ayse Ezgi Unlu,** Ankara University, Turkey
ENZ-06	**Title: The role of liver CYP1A1 and CYP2E1 enzyme activities and lipid peroxidation level in diabetic rats** **Gökçe Kuzgun,** Ankara University, Turkey
ENZ-07	**Title: Novel human indoleamine 2,3-dioxygenase inhibitors form a long-lived complex with the enzyme** **Julie Alexandre,** Vertex Pharmaceuticals Ltd., UK
ENZ-08	**Title: Molecular study on the potential therapeutic activity of novel nanocomposite on cancerous tumor bearing mice** **Mohammed F. EL-Shiekha,** October 6 University, Egypt
ENZ-09	**Title: Ameliorative effect of some natural products on hepatic and renal functions in female mice bearing cancerous tumor** **Mohammed F. EL-Shiekha,** October 6 University, Egypt
ENZ-10	**Title: Catabolic route for 3-guanidinopropionic acid utilization by *Aspergillus niger*: Involvement of 4-guanidinobutyrase** **Tejaswani Saragadam,** IIT Bombay, India
ENZ-11	**Title: Molecular characterization of glutathione transferase M1-1 from the *Camelus dromedarius*** **Fereniki Perperopoulou,** Agricultural University of Athens, Greece
ENZ-12	**Title: Engineering of Tau class GSTs for the development of biosensor** **Foteini M Pouliou,** Agricultural University of Athens, Greece

Sessions: Enzymology in Drug Discovery | Clinical Enzymology

Session Chair: Anna Antecka, Lodz University of Technology, Poland

Session Co-chair: Wael M Rabeh, New York University Abu Dhabi, UAE

Session Introduction

Title: The catalytic and structural roles of the Human Hexokinase 2 in cancer

Wael M Rabeh, New York University Abu Dhabi, UAE

Title: Upstream and downstream processing of fungal laccase

Anna Antecka, Lodz University of Technology, Poland

Title: Continuous methods of fungal laccase concentration

Michał Blatkiewicz, Lodz University of Technology, Poland

Title: Thermophilic enzymes as industrial biocatalysts

Jennifer A Littlechild, University of Exeter, UK

Title: Cloning, expression and characterization of β-*xylanase* gene from *Thermotoga naphthophila*

Muhammad Nauman Aftab, Government College University, Pakistan

Networking and Refreshment Break

Title: Purification, characterization and application of marine *Aspergillus nomius* GWA5 tannase

Aida M Farag, National Institute of Oceanography and Fisheries, Egypt

Title: Enzymatic changes in obesity-related diseases

Hala Mourad Demerdash, Alexandria University Hospitals, Egypt

Title: Data analysis of the complexity applied biomedical monitoring of autism

Ammar I Shihab, University of Baghdad, Iraq

Young Research Forum

Session Chair: V Verma, Sri Mata Vaishno Devi University, India

Title: The role of Zeolite in reducing oxidative damage in tomato plants exposed to drought

Dino Hasanagic, University of Banja Luka, Bosnia and Herzegovina

Title: Electroconducting π-conjugated N-nonylaryl oligomers as a matrix in the construction of laccase biosensors

Agnieszka Jedrychowska, Wroclaw University of Technology, Poland

Title: Bio-logic oxidation in organic synthesis

Francesca Mangiavacchi, University of Perugia, Italy

Title: Investigating miRNA-661 and ATG4b mRNA expression as potential biomarkers for hepatocellular carcinoma

Osama saber, Armed Forces College of Medicine, Egypt

Panel Discussion

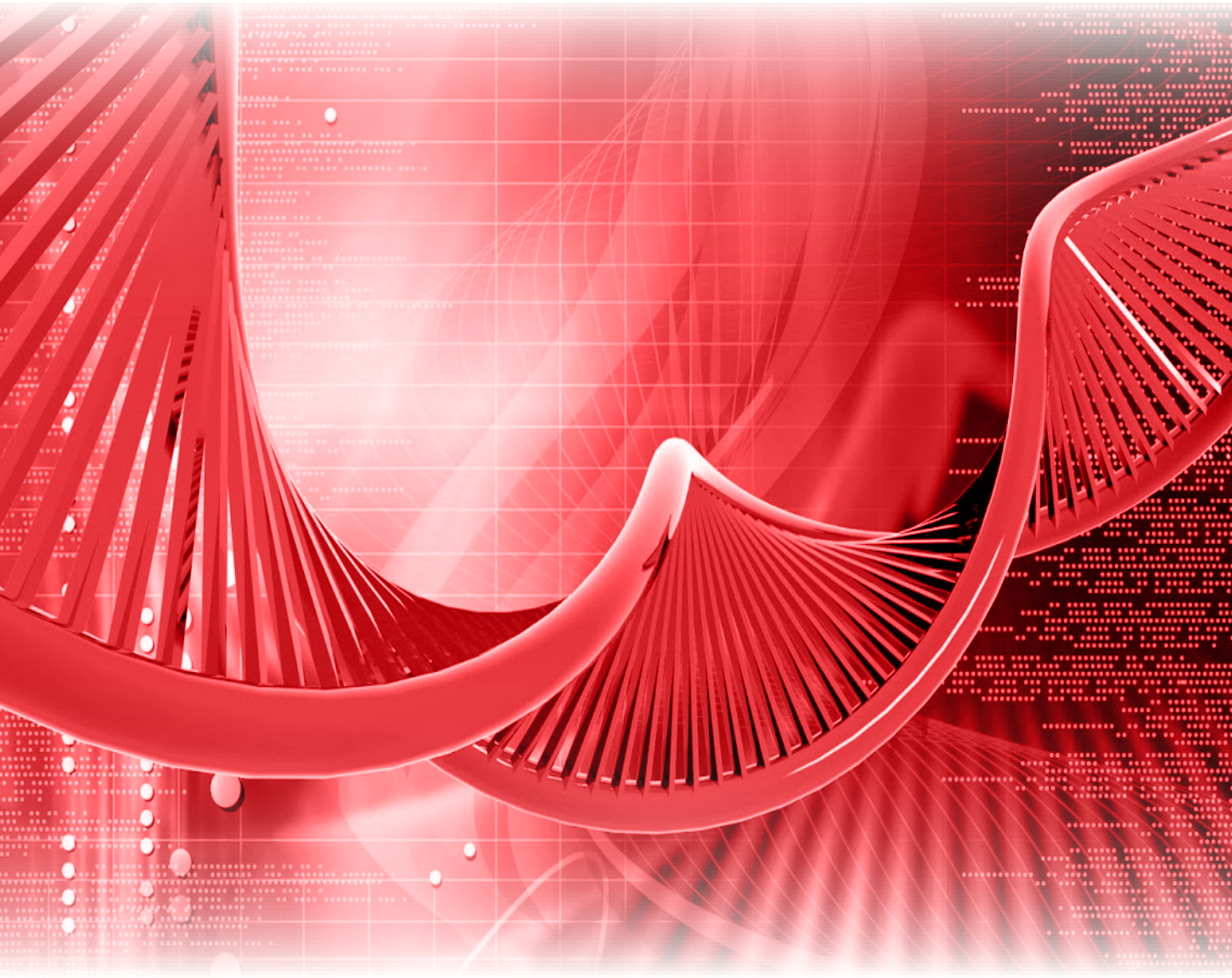
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Day 1 November 07, 2016

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Opening Ceremony

Keynote Forum

Introduction

Title: State-of-the-art technologies for the generation of animal models of human disease
Stefan Selbert, PolyGene Transgenetics, Switzerland

Title: Large-scale continuous manufacturing of nano-cocrystal drugs and therapeutics
HDR Denis SPITZER, French-German Research Institute of Saint-Louis, France

Title: Industrial oil crops as renewable resources providing replacements for petrochemicals
Thomas McKeon, United States Department of Agriculture, USA

Group photo & Coffee Break

Sessions: Pharmaceutical Biotechnology | Biotechnology in healthcare | Industrial and Microbial Biotechnology | Environmental Biotechnology | Advances in Biotech Manufacturing

Session Chair: Jose Manuel Guisan, Spanish Research Council (CSIC), Spain
Session Co-chair: Jan Szopa-Skorkowski, Wroclaw University, Poland

Session Introduction

Title: Stabilization of industrial enzymes by coating of their surfaces with hydrophilic viscous polymers
Jose Manuel Guisan, Spanish Research Council (CSIC), Spain
Title: Carboxytherapy and platelet rich plasma: New therapy for trigonitis, abacterial and interstitial cystitis
Fabrizio Muzi, Department of Urology - S. Eugenio Hospital, Rome
Title: Possible applications of zinc oxide nanoparticles as promoters of seed germination and growth of *Solanaceae* plants
Ricardo Lira-Saldivar, Antonio Narro Agrarian Autonomous University, Mexico

Lunch Break

Title: Role of algae in reclamation of soil in cyanide dumps of KGF, Kolar district, Karnataka state
Karthikeyan A, KGF First Grade college, India
Title: Carboxytherapy: New approach in conservative treatment of Peyronie's disease
Fabrizio Muzi, Department of Urology - S. Eugenio Hospital, Rome
Title: Biodiversity conservation of ethnoveterinary plants used by Yadava tribes in Karnataka, India
Venugopal N, Sri Jagadguru Renukacharya College of Science, Arts and Commerce, India
Title: Isolation and screening of actinomycetes from Algerian soil for their enzymatic and antimicrobial activities
Akli Ouelhadj, Mouloud Mammeri University, Algeria

Networking & Refreshment Break

Young Researchers forum

Title: Released-active antibodies: Breakthrough concept of antibodies-based therapeutics
Elena Don, Institute of General Pathology and Pathophysiology, Russia
Title: Callus induction and secondary metabolites production in *Piper cf. cumanense Kunth* (Piperaceae)
Laura Katherine Rodriguez Sanchez, Universidad Nacional de Colombia, Colombia
Title: Methods and applications concerning spore inoculum quality and spore germination in filamentous bioprocesses
Daniela Ehgartner, Vienna University of Technology, Austria
Title: Immunosuppressive and anti cancer activity of a novel Sri Lanka marine sponge, Haliclona (Soestella) species
V K Gunathilake, University of Colombo, Sri Lanka
Title: Virus before oligonucleotide-vent to apoptosis (VOVA) effect as a promising tool for more effective use of baculoviral preparations
Nyadar Palmah, V.I. Vernadsky Crimean Federal University, Crimea

Panel Disscussion

Day 2 November 08, 2016

Meeting Room: Terra Mitica

Keynote Forum

Title: Developing long acting agonists and antagonists of glycoprotein hormones using gene fusion and gene transfer: from bench to clinics
Fuad Fares, University of Haifa, Israel

Title: Novel in vitro techniques for sustainable cultivation and efficient induction of genetic variability in Agave vera-cruz mill
D H Tejavathi, Bangalore University, India

Sessions:
Plant Biotechnology | Industrial and Microbial Biotechnology | Agriculture Biotechnology | Animal Biotechnology | Nanobiotechnology

Session Chair: Fuad Fares, University of Haifa, Israel
Session Co-chair: D H Tejavathi, Bangalore University, India

Session Introduction

Title: Chalcone synthase regulates flax metabolism and positively diversify linseed products
Magdalena Zuk, Wroclaw University, Poland

Coffee Break

Title: Genome size in *Urginea* species (Hyacinthaceae)
M.N. Shiva Kameshwari, Bangalore University, India
Title: Ethnomedicinal Practices of Asclepidaceae members in Chitradurgadistrict, Karnataka State, India
Hiremath V T, SJM College of Arts, Science & Commerce, India
Title: Rapid clonal multiplication and conservation of *Origanum vulgare* - an aromatic and medicinal plant using apical buds and leaf by *in vitro* techniques
D Leelavathi, Bangalore University, India
Title: Influence of AM fungi and *Trichoderma viride* on growth, and active principles in micropropagated *Bacopa monnieri* (L.) Pennell –a medicinal plant
R Sowmya, Bangalore University, India

Lunch Break

Title: Germplasm conservation of Andrographis paniculata through somatic embryogenesis and encapsulation
P Anitha, BMS College for Women, India
Title: Utilization and conservation of *Morus indica* by using *in vitro* technology and bioinoculants
B Pushpavathi, Bangalore University, India
Title: Phytochemical and anti-bacterial action of the wild, ancient medicinal herb *Urginea indica* (Roxb.) Kunth, Hyacinthaceae
Hemalata S K, Bangalore University, India
Title: Role of plant tissue culture in conservation and reintroduction of *Sauropus androgynous* (L) Merr
S Padma, Bangalore University, India

Networking & Refreshment Break

Poster Presentations

EBP-101 **Title: Samsoeum water extract attenuates allergic airway inflammation via modulation of Th1/Th2 cytokines and decrease of iNOS expression in asthmatic mice**
Woo-Young Jeon, K-herb Research Center, Republic of Korea

EBP-102 **Title: Investigation of potato viral diseases in Georgian region Akhalkalaki**
Iveta Megrelishvili, Georgian Technical University, Georgia

EBP-103 **Title: Identifying new molecular markers for resistance to barley powdery mildew**
Jerzty H Czembor, Plant Breeding and Acclimatization Institute-National Research Institute, Poland

EBP-104 **Title: Hormonal treatment effect in combination with sucrose on *in vitro* potato varieties**
Maia Kukhaleishvili, Georgian Technical University, Georgia

EBP-105 **Title: Inhibitory binders derived from ABD-domain scaffold targeting human IL-17RA receptor as a non-immunoglobulin alternative for modulation of Th17-mediated pro-inflammatory axis**
Marie Hlavnickova, Institute of Biotechnology CAS, BIOCEV Research Center, Czech Republic

EBP-106 **Title: Stable cellulose degrading enzymes from thermotolerant fungi strains**
Kvesitadze Giorgi, Agricultural University of Georgia, Georgia

EBP-107	**Title: Isolation of *Cms* specific bacteriophages** **Tinatin Sadunishvili,** Agricultural University of Georgia, Georgia
EBP-108	**Title: Atomic force microscopy: A tool to measure mechanical properties of living cells** **Barbara Orzechowska,** Institute of Nuclear Physics Polish Academy of Sciences, Poland
EBP-109	**Title: The development of a novel drug on the basis of conjugates of cytokines with bisphosphonates for the treatment of bone metastases** **Elena Dmitriyevna Danilenko,** Federal Budgetary Research Institution State Research Center of Virology and Biotechnology "Vector", Russia
EBP-110	**Title: Safety assessment of Guibi-tang: Subchronic toxicity study in Crl:CD SD rats** **Meeyoung Lee,** Korea Institute of Oriental Medicine, South Korea
EBP-111	**Title: Use of defense mechanisms to quantify resistance of wheat genotypes to drought** **Bousba Ratiba,** Constantine University, Algeria
EBP-112	**Title: Electrochemical impedance spectroscopy (EIS) biosensor for detection of Chinese hamster ovary-host cell protein (CHO-HCP) residues in bio-therapeutics** **Khaled M Al-Qaoud,** Yarmouk University, Jordan
EBP-113	**Title: Performance of the AbSolute® High Cap resin in the Nimotuzumab capture step** **Rosario R Martinez Garcia,** The Center for Molecular Immunology, Cuba
EBP-114	**Title: Utilization of zinc oxide nanoparticles doped with silver against phytopathogenic fungi** **Ileana Vera Reyes,** Center for Research in Applied Chemistry (CIQA), Mexico
EBP-115	**Title: Development of high-affinity protein binders for selective detection and separation of circulating tumor cells (CTCs) by microfluidic chip technology** **Lucie Mareckova,** Institute of Biotechnology CAS, v.v.i., Czech Republic
EBP-116	**Title: Properties of silver doped carbon biomaterial prepared by thermionic vacuum arc method** **Virginia Dinca-Balan,** Ovidius University, Romania
EBP-117	**Title: Growth and characterization of Ag-Ti thin films obtained by thermionic vacuum arc (TVA) method for biomedical applications** **Aurelia Mandes,** Ovidius University Constanta, Romania
EBP-118	**Title: Interest plant biomolecules on health: Effect on skin healing** **Fazouane-Naimi Fethia,** University of Boumerdes, Algeria

Panel Disscussion

Day 3: November 09 2016

Extended Networking and Lunch

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Opening Ceremony

Keynote Forum

Title: Lignin: A natural antioxidant isolated via selective extraction from lignocellulose feedstock to be used in packaging applications
Margit Ingeborg Schulze, Bonn-Rhein-Sieg University of Applied Sciences, Germany
Title: *Pichia* process optimisation by co-feeding procedure : How to reduce oxygen uptake and heat generation without loss of pAOX1 promoter induction
Patrick Fickers, Gembloux Agro BioTech, University of Liege, Belgium

Coffee Break

Sessions: Molecular Biotechnology | Industrial Biotechnology | Biotechnology Applications | Microbial Biotechnology | Immunology and Biopharmaceuticals | Nanobiotechnology

Session Introduction

Session Chair: Ho Jeong Kwon, Yonsei University, South Korea
Session Co-chair: Kristian M Muller, Bielefeld University, Germany

Title: Optimization of lipase production by solid state bioprocess using packed bed bioreactor
Faiez Alani, McMaster University, Canada
Title: Biodegradation of effluents from wood furniture industry in anaerobic reactors
Maria Helena Gomes, University of Aveiro, Portugal
Title: Therapeutic potential of human adipose tissue-derived multi-lineage progenitor cells in non-alcoholic fatty liver disease
Hanayuki Okura, National Institutes of Biomedical Innovation, Japan
Title: Replenishment of recombinant UQCRB protein induces angiogenesis *in vitro* and *in vivo*
Ho Jeong Kwon, Yonsei University, South Korea

Lunch Break

Title: Recombinant adeno-associated viruses (rAAV) retargeted for cancer therapy
Kristian M Muller, Bielefeld University, Germany
Title: Antioxidant activity, total phenolic and flavonoid contents of callus and rhizome extracts of ginger (*Zingiber officinale Rosc*)
Mawahib ElAmin Mohamed ElNour, University of Khartoum, Sudan
Title: Identification of Uropathogens using Faco's Media: A comparative study with other conventional media
Festus Chukwuemeka Onwuliri, Federal University Lafia, Nigeria
Title: Engineering bacteria for the discovery of potential therapeutic compounds against protein misfolding diseases
Georgios Skretas, National Hellenic Research Foundation, Greece

Coffee Break

Title: Cancer caused by UV radiation from nanoparticles in GM food
Thomas Prevenslik, QED Radiations, China
Title: Development of robust pHT expression vectors based on Pgrac promoters for *Bacillus subtilis*
Hoang Duc Nguyen, VNUHCM-University of Science, Vietnam

Panel Discussion

Day 2 July 29, 2016

Esperanto I+II

Sessions: Applications of Biotechnology | Cell Culture | Microbial Biotechnology

Session Introduction

Session Chair: Kristian M Muller, Bielefeld University, Germany

Title: A painless device for long-term, continuous drug delivery and bio-sensing via dental implant
Li Yu-Jung, St. Mary's Junior College of Medicine, Taiwan
Title: The preparation of a recyclable catalyst of silver nanoparticles dispersed in mesoporous silica nanofiber matrix
Dalong Li, Aarhus University, Denmark

Coffee Break 11:00-11:15 @ Main Lobby

Title: Wound healing effects and antimicrobial property of leaf extract of *Spermacoce verticillata* Linn *(Rubiaceae)*
Edith Adanna Onwuliri, University of Jos, Nigeria
Title: Preparation of poly (methyl ether vinyl-co-maleic acid)-based smart hydrogels and its influence on ovarian cancer stem cells
Naizhen Zhou, Southeast University, China
Title: Cost reduction in the development of aflatoxin immunoaffinity columns
Ozlem Ertekin, The Scientific and Technological Research Council, Turkey

Lunch Break

Poster Presentations

BC01 **Title: Improvement of ramoplanin production by submerged fermentation of *Actinoplanes* sp. ATCC 33076 using metal sulfates**
Deniz Erkan, Dokuz Eylul University, Turkey

BC02 **Title: Phenylpropanoid pathway response to cadmium and lead stress in *Phaselous vulgaris* roots and leaves**
Zehra Tavsan, Dokuz Eylul University, Turkey

BC03 **Title: Construction, expression and characterization of a cancer-specific fusion protein targeting CD22 in B-cell malignancies**
Solmaz Agha Amiri, Shahid Beheshti University of Medical Sciences, Iran

BC04 **Title: EpCAM and claudins as cancer biomarkers in ovarian and colon cancer**
Zehra Tavsan, Dokuz Eylul University, Turkey

BC05 **Title: High level expression of a functional humanized single-chain variable fragment (scFv) antibody against CD22 marker in Pichia pastoris**
Najmeh Zarei, Pasteur Institute, Iran

BC06 **Title: Improvement of ramoplanin production by submerged fermentation of *Actinoplanes* sp. ATCC 33076 using animal origin protein meals**
Deniz Erkan, Dokuz Eylul University, Turkey

BC07 **Title: Mathematical modelling of the diffusion profiles of Briggs-Rauscher reaction components in a microreactor**
Ana Jurinjak Tušek, University of Zagreb, Croatia

BC08 **Title: Determination of correlations between electrical conductivity, dry matter, total polyphenolic content and antioxidant capacity of *chamomile* extracts (*Matricaria recutita L.*)**
Maja Benkovic, University of Zagreb, Croatia

BC09 **Title: Modification of Hydrophobic Domain of Signal Peptide for Enhanced Production of Recombinant Therapeutic Proteins**
Duk Jae Oh, Sejong University, Korea

Closing Ceremony & Awards Presentation

Coffee Break

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