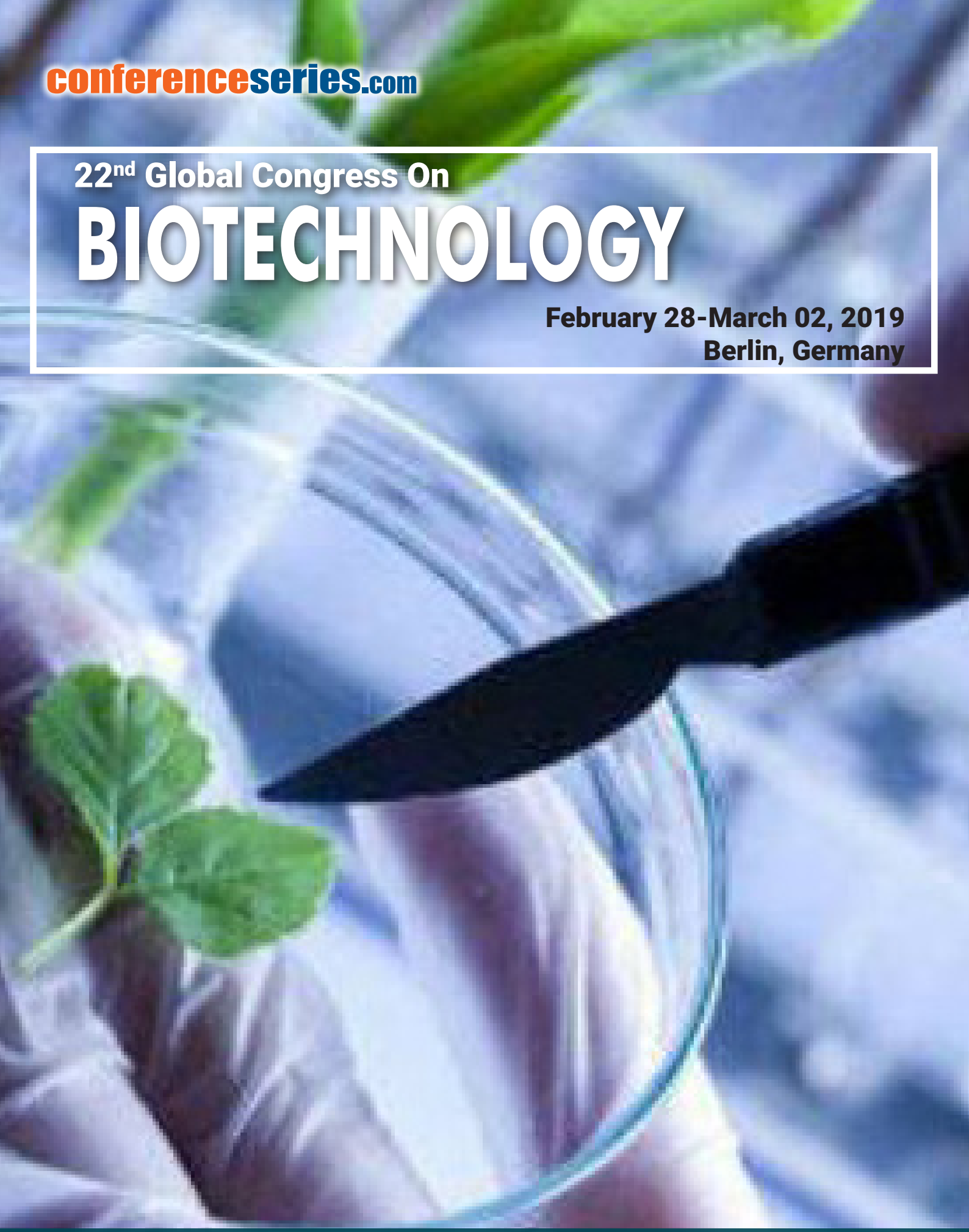
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22nd Global Congress On

BIOTECHNOLOGY

February 28-March 02, 2019
Berlin, Germany



SCIENTIFIC PROGRAM

DAY 1
Thursday, 28th February

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50 Meeting Hall 01 **KEYNOTE LECTURES**

11:50-13:10

MEETING HALL 01	MEETING HALL 02
Talks On: Biotechnology	**Talks On: Pharmaceutical Biotechnology**
Policies and Incentives for Industrial Biotech	Pharmaceutical Process and Quality Control
Process Improvement for Biobased Materials	Biologics and Biosimilars
Biorefineries: Building the Bioeconomy	Biomarker Discovery and Gene Therapy
Livestock Industry	Recombinant vaccines and Monoclonal Antibodies

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00

MEETING HALL 01	MEETING HALL 02
Talks On: Algal Biotechnology	**Talks On:** Medical Biotechnology
Large Scale Algal Bioprocesses	Tissue engineering & regenerative medicine
Extraction and Conversion of Microalgal Lipids	Pharmacogenomics
Applications of Algae in Food and Feed	Biomedical Innovations
Algae Based Technology to Treat Industrial Effluents	Monoclonal Antibodies
Bio-Remediation Using Algae	Viral Vector Manufacturing for Gene Therapies
Algal Farming for Biofuels and Other Valuable Products	Protein Interaction

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers in Biotechnology	Workshop

DAY 2
Friday, 01 March

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50

MEETING HALL 01	MEETING HALL 02
Talks On: Plant and Agriculture Biotechnology	**Talks On: Environmental Biotechnology**
Molecular diagnostics Applied proteomics and molecular medicine	Biotechnology for treatment of industrial effluents
Cancer molecular markers Molecular medicine and personalized healthcare	Biotechnology for toxic site reclamation
Immuno-oncology biomarkers Current advances and clinical aspect of	Biotechnology in restoration of degraded lands
molecular medicine	Bioremediation & Biodegradation
Liquid biopsy technologies and applications Pathology and molecular medicine	Environmental Pollution
PCR and NGS-based molecular diagnostics Detection and characterization of circulating	Biodegradation and Bioremediation
biomarkers	
Molecular diagnostics for infectious disease	

12:50-13:35 LUNCH BREAK

13:35-15:55

MEETING HALL 01	MEETING HALL 02
Talks On: Nano Biotechnology	**Talks On: Biotechnology and Bioprocess Engineering**
Advances in nano biotechnology	Biomolecular Engineering
Nano-biosensors	Biocatalysis & Biotransformation
Nanocarrier-formulations	Biosynthesis and Metabolic Engineering
Protein-based Nanostructures	Bioseparation and Biopurification Engineering
DNA-based Nanostructures	Bioprocess Control and System Engineering
Bioconjucated Silica Particles	Biosensor and Bioelectronics
Bioeconomy Challenges for EU Regions	Cell Culture Engineering & Tissue Bioprinting

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	**Workshop**

DAY 3
Saturday, 2nd March

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50

MEETING HALL 01	MEETING HALL 02
Talks On: Stem Cell Biotechnology	**Talks On: Industrial biotechnology**
Stem Cell Niche	Bioprocess/Fermentation Technology
Cancer & Adult Stem Cell	Downstream processing
Stem Cell Therapy	Enzyme Technology
Stem Cell Transplantation	Biotransformation
Induced Pluripotent Cells	Biomass and Bioenergy
Embryonic Stem Cells	Microbial mining and Metal biotechnology

12:50-13:35 LUNCH BREAK

13:35-15:55

MEETING HALL 01	MEETING HALL 02
Talks On: Food biotechnology	**Talks On:** Animal biotechnology
Food Processing and Preservation	Animal cell culture
Food Quality Standards	Cell viability and cytotoxicity
Food Microbiology	Cell transformation and cloning
Food Additives	Organ and tissue engineering
Food Packaging	Transgenic animals
Dairy technology	
Fermentation	

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers in Biotechnology	Workshop

Awards & Closing Ceremony

PAST AFFILIATES

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Dr. Guillaume Pavlovic
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Chile University school of Engineering, Colombia

Mohammad Mir
Western University of Health Sciences, USA

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Centro de Biologia, Spain

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Biotechnology Reminisce













Glimpses of Biotechnology 2018

















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JOINT EVENT

Scientific Program

20th Global Congress on

BIOTECHNOLOGY

&

3rd International Conference on

ENZYMOLOGY AND MOLECULAR BIOLOGY

March 05-07, 2018 London, UK



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Day 1 March 05, 2018

08:30-09:00 Registrations

Armstrong

conferenceseries.com 09:00-09:30 **Opening Ceremony**

Keynote Forum

09:30-10:10	**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
10:10-10:50	**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 10:50-11:10 @ Breakout Area
11:10-11:50	**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
11:50-12:30	**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
12:30-13:00	**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 13:00-14:00 @ RBG
14:00-14:30	**Title: Development of approach to obtain *Brachypodium distachyon* L. regenerative plants with morphogenetic stability** **Omirbekova N Zh,** Al-Farabi Kazakh National University, Kazakhstan
14:30-15:00	**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
15:00-15:30	**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 & Biochemistryt	
Session Chair: Magali Remaud-Simeon, INSA-Tolouse, France	
	Session Introduction
15:30-16:00	**Title: Molecular enzymology of DNA methyltransferases – conformational changes and allosteric regulation** **Albert Jeltsch,** University Stuttgart, Germany
	Networking & Refreshment Break 16:00-16:20 @ Breakout Area
16:20-16:50	**Title: N-acyltransferases and their role in fatty acid amide biosynthesis** **David J Merkler,** University of South Florida, USA
16:50-17:20	**Title: Lysyl oxidase: A versatile and elusive enzyme** **Karlo M Lopez,** California State University-Bakersfield, USA

17:20-17:50	**Title: ProxiMAX randomization: Precision protein engineering** **Anna V Hine,** Aston University, UK
17:50-18:20	**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

10:00-10:40	**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 10:40-11:00 @ Breakout Area

11:00-11:40	**Title: Plasmonic biosensors on demand: Tunable penetration depth, compactness, ultrahigh sensitivity and enhanced spectroscopies** **Ibrahim Abdulhalim,** Ben-Gurion University of the Negev, Israel
11:40-12:20	**Title: Thermophilic enzymes with applications for industrial biocatalysis** **Jennifer A Littlechild,** University of Exeter, UK
12:20-13:00	**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 13:00-14:00 @ RBG

Poster Presentations @ Foyer 14:00-14:30

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

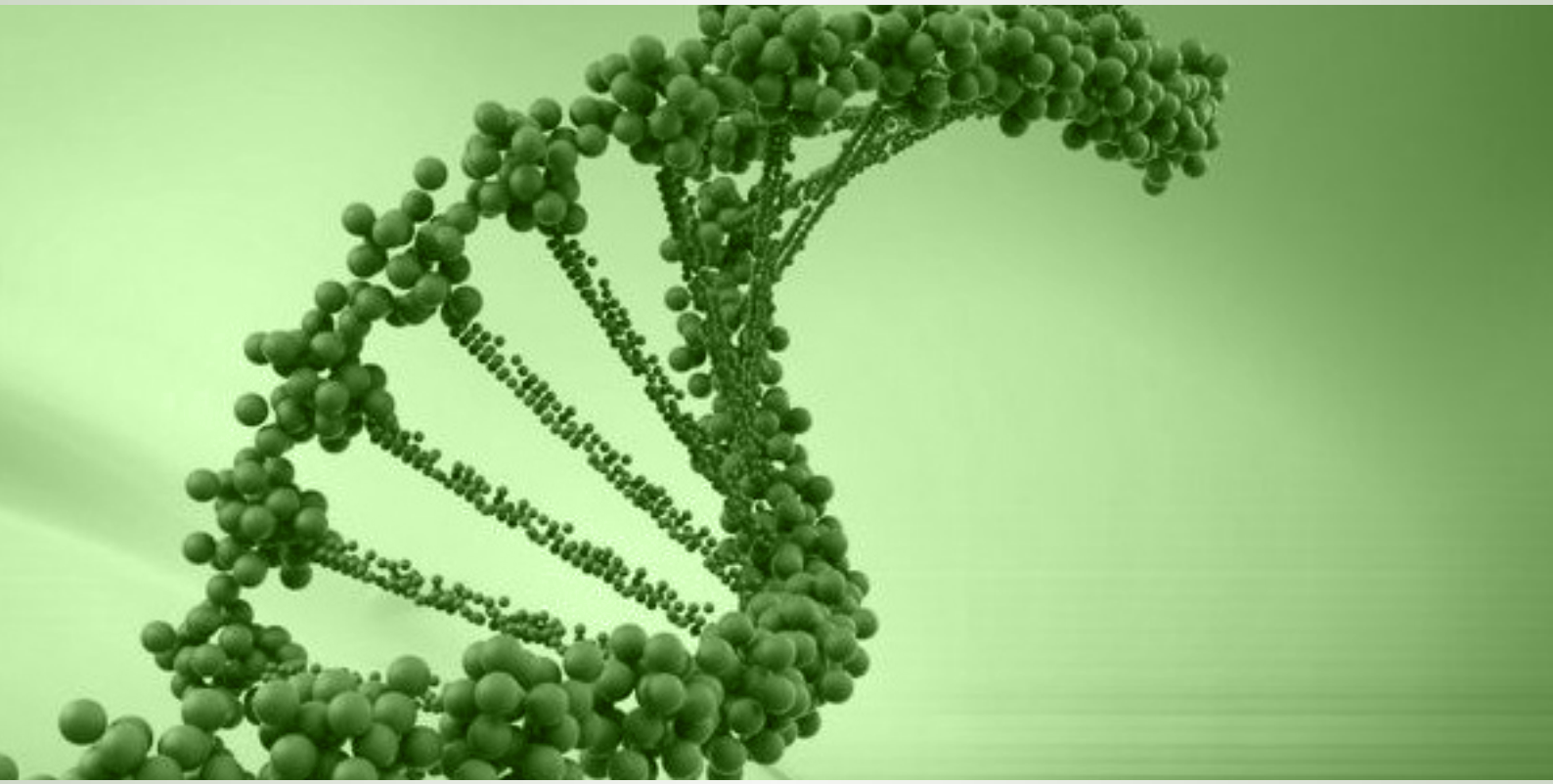
Session Chair: Jennifer A Littlechild, University of Exeter, UK

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

Session Introduction

14:30-15:00	**Title: Engineering cyanobacterial nitrogen bio-fertilizer for rice cultivation in stressful environment** **Shree Kumar Apte,** Bhabha Atomic Research Centre, India
15:00-15:30	**Title: The dual role of integrase in HIV-1 replication** **Mamuka Kvaratskhelia,** University of Colorado School of Medicine, USA
15:30-16:00	**Title: Characterization of cystathionine γ-lyase from *T. gondii*: A target for drug development?** **Alessandra Astegno,** University of Verona, Italy

	Networking & Refreshment Break 16:00-16:20 @ Breakout Area
16:20-16:50	**Title: Infulence of four kinds of additives and concentration on oats silage effect** **Yungui Yang,** Northwest A & F University, China
16:50-17:20	**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
17:20-17:40	**Title: Structure/function of 3'-phosphoadenosine 5'-phosphosulfate (PAPS) synthase (PAPSS)** **K V Venkatachalam,** Nova Southeastern University, USA (VP)
	Networking and Award Ceremony
	Day 3 March 07, 2018 Extended Networking & Lunch 12:30-13:30 @ Restaurant



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Day 1 March 20, 2017

08:00-08:30 Registrations

Olimpica 1

conferenceseries.com 08:30-09:00

Opening Ceremony

Keynote Forum

09:00-09:30	**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
09:30-10:00	**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
10:00-10:30	**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 @ Foyer 10:30-10:50

10:50-11:20	**Title: Choosing between patents and trade secrets for protecting biotech products or bio-production processes** **Paul Calvo**, Sterne Kessler Goldstein & Fox, USA
11:20-11:50	**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

11:50-12:10	**Title: Allokairic regulation of enzyme function** **Brian G Miller**, Florida State University, USA
12:10-12:30	**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
12:30-12:50	**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
12:50-13:10	**Title: Enzymatic synthesis of prebiotic galacto-oligosaccharides: Application of nanobiocatalysts and structural characterization of product** **Dejan Bezbradica**, University of Belgrade, Serbia

Lunch Break13:10-13:50

13:50-14:10	**Title: The effect of natural deep eutectic solvent on laccase catalyzed polycatechin synthesis** **Ayse Ezgi Unlu**, Ankara University, Turkey
14:10-14:30	**Title: Biochemical effect of some antioxidant on metabolic changes in experimentally induced tumor in female mice** **Mohammed F. EL-Shiekha**, October 6 University, Egypt

14:30-14:50	**Title: Metabolic engineering strategies for effective use of glycosyltransferases in oligosaccharide synthesis** **Rachel Chen**, Georgia Institute of Technology, USA
14:50-15:10	**Title: Inhibition of the RNA-dependent RNA polymerasic activity of *Flavivirus* NS5 by heterocyclic compounds** **Giuseppe Manfroni**, Università degli Studi di Perugia, Italy
15:10-15:30	**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
15:30-15:50	**Title: Pharmacological chaperones for curing enzymopathies: The case of lysosomal alpha-galactosidase** **Valentina Citro**, University of Naples Federico II, Italy

Networking and Refreshment @Foyer 15:50-16:10

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

16:10-16:30	**Title: Internalization of antibody fragments directed against FGFR1** **Lukasz Opalinski**, University of Wroclaw, Poland
16:30-16:50	**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
16:50-17:10	**Title: Application of enzymes in the pulp and paper industry** **Mija Sezun**, Pulp and Paper Institute, Slovenia
17:10-17:30	**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
17:30-17:50	**Title: How to tune recombinant protein production in *E. coli* for enhanced proeduction of biopharmaceuticals?** **Oliver Spadiut**, TU Wien, Austria
17:50-18:10	**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
18:10-18:30	**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

09:00-09:30	**Title: Optimizing flax fibers for tomorrow's therapeutics** **Jan Szopa**, Linum Foundation, Poland
09:30-10:00	**Title: Uranium bio-precipitation and recovery from high radiation environments: New approaches** **Shree Kumar Apte**, Homi Bhabha National Institute, India

10:00-10:30	**Title: New drugs and catalysts inspired by glutathione peroxidase** **Claudio Santi,** University of Perugia, Italy
	Networking and Refreshment Break 10:30-10:50 @ Foyer
10:50-11:20	**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
11:20-11:40	**Title: Screening of petroleum degrading *Bacillus spp.* strains isolated from different non-contaminated soil samples** **Tuba Sevgi,** Uludag University, Turkey
11:40-12:00	**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
12:00-12:20	**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	
12:20-13:00	**Title: The extraribosomal role of ribosomal proteins** **Zeina Nasr,** University of Balamand, Lebanon
	Lunch Break 13:00-13:40
Poster Presentations 13:40-14:10	
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

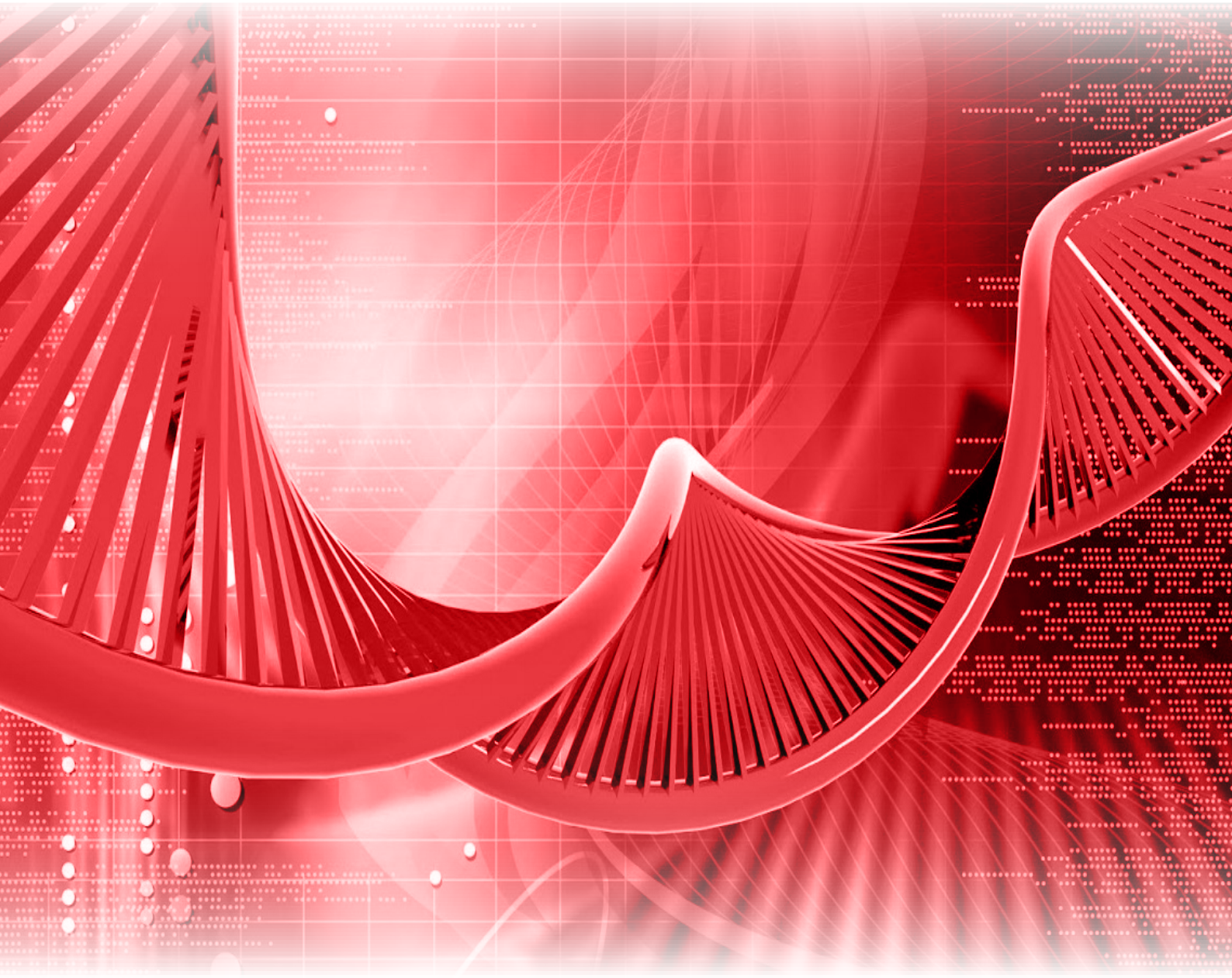
ENZ-10	**Title: Catabolic route for 3-guanidinopropionic acid utilization by *Aspergillus niger*: Involvement of 4-guanidinobutyrase** **Tejaswani Saragadam,** IIT Bombay, India
ENZ-11	**Title: Molecular characterization of glutathione transferase M1-1 from the *Camelus dromedarius*** **Fereniki Perperopoulou,** 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
14:10-14:30	**Title: The catalytic and structural roles of the Human Hexokinase 2 in cancer** **Wael M Rabeh,** New York University Abu Dhabi, UAE
14:30-14:50	**Title: Upstream and downstream processing of fungal laccase** **Anna Antecka,** Lodz University of Technology, Poland
14:50-15:10	**Title: Continuous methods of fungal laccase concentration** **Michał Blatkiewicz,** Lodz University of Technology, Poland
15:10-15:30	**Title: Thermophilic enzymes as industrial biocatalysts** **Jennifer A Littlechild,** University of Exeter, UK
15:30-15:50	**Title: Cloning, expression and characterization of β-*xylanase* gene from *Thermotoga naphthophila*** **Muhammad Nauman Aftab,** Government College University, Pakistan
Networking and Refreshment Break 15:50-16:10 @ Foyer	
16:10-16:30	**Title: Purification, characterization and application of marine *Aspergillus nomius* GWA5 tannase** **Aida M Farag,** National Institute of Oceanography and Fisheries, Egypt
16:30-16:50	**Title: Enzymatic changes in obesity-related diseases** **Hala Mourad Demerdash,** Alexandria University Hospitals, Egypt
16:50-17:10	**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	
17:10-17:25	**Title: The role of Zeolite in reducing oxidative damage in tomato plants exposed to drought** **Dino Hasanagic,** University of Banja Luka, Bosnia and Herzegovina
17:25-17:40	**Title: Electroconducting π-conjugated N-nonylaryl oligomers as a matrix in the construction of laccase biosensors** **Agnieszka Jedrychowska,** Wroclaw University of Technology, Poland
17:40-17:55	**Title: Bio-logic oxidation in organic synthesis** **Francesca Mangiavacchi,** University of Perugia, Italy
17:55-18:10	**Title: Investigating miRNA-661 and ATG4b mRNA expression as potential biomarkers for hepatocellular carcinoma** **Osama saber,** Armed Forces College of Medicine, Egypt
Panel Discussion	
Award & Closing Ceremony	

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Email: eurobiotechnology@geneticconferences.com, biotechnology@geneticsmeetings.com

Day 1 November 07, 2016

08:00-08:30 Registrations

Terra Mitica

conferenceseries.com **08:30-08:55** Opening Ceremony

Keynote Forum

08:55-09:00 Introduction

09:00-09:40 Title: State-of-the-art technologies for the generation of animal models of human disease
Stefan Selbert, PolyGene Transgenetics, Switzerland

09:40-10:20 Title: Large-scale continuous manufacturing of nano-cocrystal drugs and therapeutics
HDR Denis SPITZER, French-German Research Institute of Saint-Louis, France

10:20-11:00 Title: Industrial oil crops as renewable resources providing replacements for petrochemicals
Thomas McKeon, United States Department of Agriculture, USA

Group photo & Coffee Break @ La Plaza11:00-11:20

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

11:20-11:50 Title: Stabilization of industrial enzymes by coating of their surfaces with hydrophilic viscous polymers
Jose Manuel Guisan, Spanish Research Council (CSIC), Spain

11:50-12:20 Title: Carboxytherapy and platelet rich plasma: New therapy for trigonitis, abacterial and interstitial cystitis
Fabrizio Muzi, Department of Urology - S. Eugenio Hospital, Rome

12:20-12:50 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 @ La Plaza 12:50-13:50

13:50-14:20 Title: Role of algae in reclamation of soil in cyanide dumps of KGF, Kolar district, Karnataka state
Karthikeyan A, KGF First Grade college, India

14:20-14:50 Title: Carboxytherapy: New approach in conservative treatment of Peyronie's disease
Fabrizio Muzi, Department of Urology - S. Eugenio Hospital, Rome

14:50-15:20 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

15:20-15:50 Title: Isolation and screening of actinomycetes from Algerian soil for their enzymatic and antimicrobial activities
Akli Ouelhadj, Mouloud Mammeri University, Algeria

Networking & Refreshment Break @ La Plaza 15:50-16:10

Young Researchers forum

16:10-16:30 Title: Released-active antibodies: Breakthrough concept of antibodies-based therapeutics
Elena Don, Institute of General Pathology and Pathophysiology, Russia

16:30-16:50 Title: Callus induction and secondary metabolites production in *Piper cf. cumanense Kunth* (Piperaceae)
Laura Katherine Rodriguez Sanchez, Universidad Nacional de Colombia, Colombia

16:50-17:10 Title: Methods and applications concerning spore inoculum quality and spore germination in filamentous bioprocesses
Daniela Ehgartner, Vienna University of Technology, Austria

17:10-17:30 Title: Immunosuppressive and anti cancer activity of a novel Sri Lanka marine sponge, Haliclona (Soestella) species
V K Gunathilake, University of Colombo, Sri Lanka

17:30-17:50	**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

09:00-09:40	**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
09:40-10:20	**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

10:20- 10:50	**Title: Chalcone synthase regulates flax metabolism and positively diversify linseed products** **Magdalena Zuk,** Wroclaw University, Poland

Coffee Break @ La Plaza 10:50-11:10

11:10-11:40	**Title: Genome size in *Urginea* species (Hyacinthaceae)** **M.N. Shiva Kameshwari,** Bangalore University, India
11:40-12:10	**Title: Ethnomedicinal Practices of Asclepidaceae members in Chitradurgadistrict, Karnataka State, India** **Hiremath V T,** SJM College of Arts, Science & Commerce, India
12:10-12:40	**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
12:40-13:10	**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 @ La Plaza 13:10-14:00

14:00-14:30	**Title: Germplasm conservation of Andrographis paniculata through somatic embryogenesis and encapsulation** **P Anitha,** BMS College for Women, India
14:30-15:00	**Title: Utilization and conservation of *Morus indica* by using *in vitro* technology and bioinoculants** **B Pushpavathi,** Bangalore University, India
15:00-15:30	**Title: Phytochemical and anti-bacterial action of the wild, ancient medicinal herb *Urginea indica* (Roxb.) Kunth, Hyacinthaceae** **Hemalata S K,** Bangalore University, India
15:30-16:00	**Title: Role of plant tissue culture in conservation and reintroduction of *Sauropus androgynous* (L) Merr** **S Padma,** Bangalore University, India

Networking & Refreshment Break @ La Plaza 16:00-16:20

Poster Presentations @ Terra Mitica 16:20-17:30

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 @ La Plaza 12:30-13:30

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Scientific Program

Day 1 July 28, 2016

08:00-09:00 Registrations

Esperanto I+II

conferenceseries.com **09:00-09:30 Opening Ceremony**

Keynote Forum

09:30-10:15 **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

10:15-11:00 **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 11:00-11:15 @ Main Lobby

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

11:15-11:45 **Title: Optimization of lipase production by solid state bioprocess using packed bed bioreactor**
Faiez Alani, McMaster University, Canada

11:45-12:15 **Title: Biodegradation of effluents from wood furniture industry in anaerobic reactors**
Maria Helena Gomes, University of Aveiro, Portugal

12:15-12:45 **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

12:45-13:15 **Title: Replenishment of recombinant UQCRB protein induces angiogenesis *in vitro* and *in vivo***
Ho Jeong Kwon, Yonsei University, South Korea

Lunch 13:15-14:00 @ Element I+II Restaurant

14:00-14:30 **Title: Recombinant adeno-associated viruses (rAAV) retargeted for cancer therapy**
Kristian M Muller, Bielefeld University, Germany

14:30-15:00 **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

15:00-15:30 **Title: Identification of Uropathogens using Faco's Media: A comparative study with other conventional media**
Festus Chukwuemeka Onwuliri, Federal University Lafia, Nigeria

15:30-16:00 **Title: Engineering bacteria for the discovery of potential therapeutic compounds against protein misfolding diseases**
Georgios Skretas, National Hellenic Research Foundation, Greece

Coffee Break 16:00-16:15 @ Main Lobby

16:15-16:45 **Title: Cancer caused by UV radiation from nanoparticles in GM food**
Thomas Prevenslik, QED Radiations, China

16:45-17:15 **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

10:00-10:30 **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

10:30-11:00	**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
11:15-11:45	**Title: Wound healing effects and antimicrobial property of leaf extract of *Spermacoce verticillata* Linn *(Rubiaceae)*** **Edith Adanna Onwuliri**, University of Jos, Nigeria
11:45-12:15	**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
12:15-12:45	**Title: Cost reduction in the development of aflatoxin immunoaffinity columns** **Ozlem Ertekin**, The Scientific and Technological Research Council, Turkey
	Lunch 12:45-13:30 @ Element I+II Restaurant
	Poster Presentations @ 13:30-15:30
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 @ 15:30-15:45
	Coffee Break 15:45-16:00 @ Main Lobby

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Heathrow Stockley Park Lakeside
House, 1 Furzeground Way
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United Kingdom
europe@conferenceseries.com

OMICS International
6th Floor, North Block
Divyasree Building, Raidurg Hyderabad
Telangana, INDIA-500032
Tel: +91-40-33432300
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