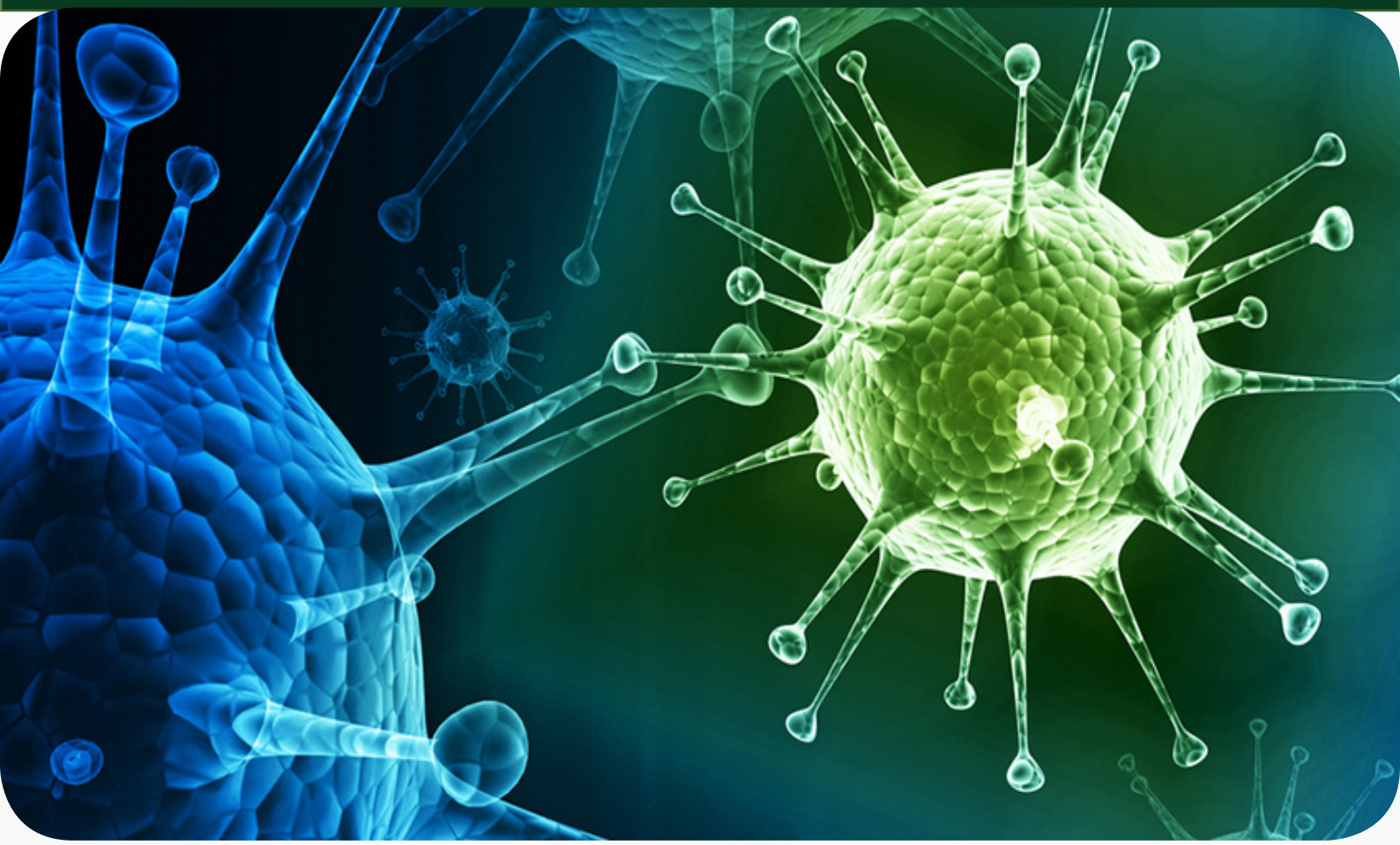
Tentative Program

4nd International Conference on

Advances in Biotechnology and Bioscience

July 2-3, 2018 Vienna, Austria



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops | Exhibitors | B2B Meetings

For available speaker slots

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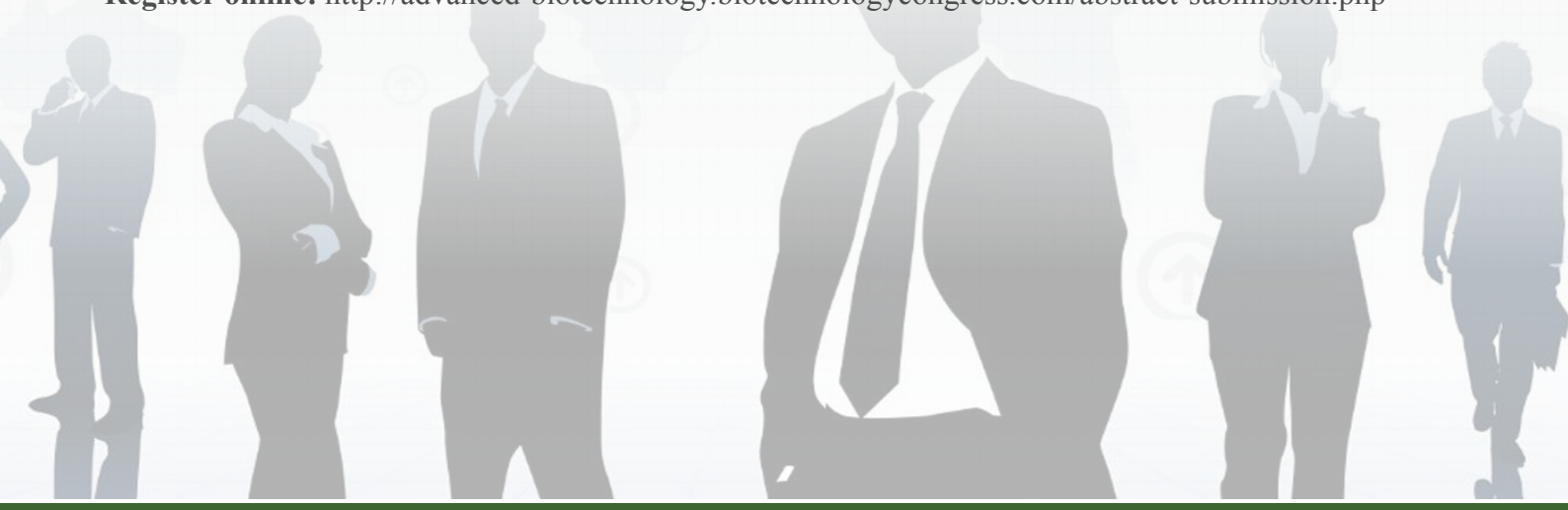
Conference Highlights

- Bioscience
- Agriculture Bioscience
- Biochemical Engineering
- Biotechnology and Biomaterials science
- Biomedical Science
- Biopharmaceutics and Biochemistry
- Bioprocess and Biological Engineering
- Cell Biology
- Computational Biology & Systems Biology
- Drug Discovery and Delivery
- Food Science
- Genetics
- Genomics and Proteomics
- Immunology and Inflammation
- Microbiology
- Molecular Biology
- Molecular Biotechnology
- Molecular Plant Sciences and Ecology
- Tissue Engineering & Stem cell research
- Nano-Biotechnology
- Bio Science Market& Stem cell research
- Bio Science Market

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Glimpses of Bioscience Series Conferences





















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Secession Building



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4th International Conference on Advances in Biotechnology and Bioscience

July 02-03, 2018 | Vienna, Austria

AGENDA

4th International Conference on

Advances in Biotechnology and Bioscience

July 2-3, 2018 Vienna, Austria

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		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)		
Evening Sessions	11.00-12.40	**Bioscience** 5 Speakers (20 Mins Each)	
	Lunch Break 12.40-13.30		
	13.30-15.30	**Biomedical Science** 6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	**Biopharmaceutics and Biochemistry** 5 Speakers	

Day 2

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	**Biochemical Engineering**	**Microbiology**
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	**Molecular Biology**	**Agriculture Bioscience**
	Lunch Break 12.35-13.25		
Evening Sessi	13.25-15.05	**Genetics & Genomics**	**Food Science**
	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	**Food Science**	**Cell Biology**

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

Title: Immunostimulating activity of bio-polymers isolated from Taxus cuspidata and a bacterial strain Rhizobium massiliae

Jae Kweon Park

Professor

Jae Kweon Park, has completed his PhD from Shimane University in 1998, Japan, and postdoctoral and research associate studies from The Johns Hopkins University, McGill University and University of Rochester (1998~2007). He is currently a Professor of the Gachon Univeristy from 2011, Korea. Prof. Park who has published more than 50 papers in reputed journals and has been serving as an editorial board member of the Journal of Chitin and Chitosan, Korea.

Title: Molecular identification of ESBL-producing gene *blaTEM* in MRSA and meats isolated bacteria

Hwang You Jin

Associate Professor

Hwang You Jin has completed his PhD from Inha University. He is the director of RIS, aBio Health solution. He has published more than 50 papers in reputed journals.

Title: Sheephead mushroom (*Grifola frondosa*) alleviates obesity and hyperglycemia in

Daeyoung Kim

Associate Professor

D. Kim graduated from the college of veterinary medicine and earned his doctorate degree at Seoul National University, South Korea in a research paper on the production of transgenic pigs by somatic cell nuclear transfer in 2003. The same year, he joined the Department of Life Sciences at Gacheon University and became a professor. He served as a school affairs committee member, head of the student ministry, and vice chairman of the committee on animal ethics, and lectures on developmental biology are being conducted. Major areas of interest are diabetes, sarcopenia, pulmonary fibrosis and tendinopathy animal model.

Title: Reliable Microbiome Biomarker Identification

Erchin Serpedin

Professor

Dr. Erchin Serpedin is currently a professor at Texas A&M University in College Station, TX. He is the author of more than 150 journal papers, 250 conference papers, and 4 books. His research interests lie in the areas of computational biology, systems biology, signal processing and machine learning.

Title: Molecular Insights into Pharmacology and Signaling of hC5a Binding Receptor (C5aR) for Potential Drug Discovery

Soumendra Rana

Assistant Professor

Dr. Soumendra Rana is currently an Assistant Professor (Chemistry and Biosciences since 2013) at the School of Basic Sciences, Indian Institute of Technology Bhubaneswar, India. He received his PhD (2007) in broad area of Molecular Biophysics from Indian Institute of Technology Bombay (India), followed by post-doctoral training, respectively from University of Arizona, Tucson (USA), Washington University School of Medicine in Saint Louis (USA), and Saint Louis University School of Medicine (USA). He is interested in understanding the structure function relationship in peptide and protein binding G-protein Coupled Receptors (GPCR). His laboratory aims to devise methods and molecules (organic and bio-organic) for selective targeting of GPCRs in tissues for potential discovery of therapeutic leads, by recruiting a chemical biology approach, comprising a variety of

Title: Factors related to the natural killer cell activity in subjects undergoing routine health screening

Hye-Yeon Koo

Doctor

Hye-Yeon Koo has her expertise in chronic disease care and health promotion of cancer survivors. She has been taking responsibility for long-term cancer survivorship care at the cancer center in Seoul National University Bundang Hospital. Her recent research in long-term survivors of breast cancer shows her passion in behavioral intervention for cancer patients (Koo et al. PloS ONE, 2016).

Title: The role of the neuroprotectanst and thrombolytics in cerebral ischemia

Violeta Lukic Panin

Assistant Professor

Violeta Lukic Panin has completed his PhD at the age of 35 years from Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Okayama, Japan and postdoctoral studies from Ludwigs Maximilian University, Munich, Germany. She has specialized in Internal Medicine from Faculty of Medicine, Novi Sad, University of Novi Sad, Serbia. She is the specialist of Internal Medicine at the Doctor's Office of Internal Medicine Olimp 021, and Research Associate at the Faculty of Medicine, Novi Sad. She has published 19 papers, 15 of them in reputed journals and has been serving as a reviewer in several journals.

Title: EFFECTS OF ANTI-CANCER DURGS ON LNCaP, DU145 AND PC3 PROSTATE CANCER CELL LINES

Nayat Narot Ciroglu

M.Sc.

Nayat Narot Ciroğlu studied molecular biology and genetics, graduated from Kultur University in Istanbul as B.Sc. In the following, she completed her M.Sc. studies at the age of 25 years form Yeditepe University Istanbul. During her studies at both universities, she presented her results on different occassions as progress reports. She attended the 6th Central European Congress of Life Sciences, Eutobiotech, in Poland in Septerber 2017 and presented a poster. In November 2017, she attended ÖGAI (Austrian Society for Allergology and Immunology) - Annual Meeting in Vienna and presented another poster. Currently, she is looking for a PhD position.

Title: Isolation of active phytochemicals from Caesalpinia welwitschiana (Leguminosae) against Tuta absoluta (Meyrick)

Flaure Rosette Ehawa Essoung

Professor

F.R.E. Essoung has completed her Master at the age of 25 years from University of Yaounde I, Cameroon and obtained her PhD from Kenyatta University School of Pure and applied Sciences, Kenya in 2017. She has published two papers in reputed journals.

Title: Amelioration Effect of *Cordyceps militaris* on Osteoporosis in Ovariectomized Rat

Kayoung Shim

senior undergraduate student

Kayoung Shim is a senior undergraduate student supervised by Prof. Daeyoung Kim in the Department of Life Science, Gachon University. In a present study, she has a great interest in exploring active ingredient from natural product in drug discovery that have blood biochemical and dietary effects on menopause patients based on animal experiments.

Title: Evaluation of Adipose-derived Mesenchymal Stem Cell implantation on Tendinopathy F344/BN Rat Model

Donghun Kang

Student

Donghun Kang is junior and he is working in Gachon university developmental biology lab. He used Adipose-derived mesenchymal stem cells for the Tendinopathy to treat the Achilles tendon injury model. He aimed to provide better treatment for patient who has tendinopathy.

Title: Amelioration of obesity by *Cordyceps militaris* mixtures in ovariectomized rats.

Somi Park

senior undergraduate student

Somi Park is a senior undergraduate student supervised by Prof. Daeyoung Kim in the Department of Life Science, Gachon University. As in the present study, she has a great interest in exploring functional Bio-materials derived from natural products in drug discovery that have blood biochemical and dietary effects on obese patients based on animal experiments.

Title: Polymorphisms in selenoprotein p and s genes: lack of association with metabolic syndrome in subjects with cardiovascular disease in Selenogene study

Mojgan Gharipour

Professor

Mojgan Gharipour has PhD in Molecular Epidemiology from Isfahan University of Medical Sciences. She is the director of Genetic Laboratory of Cardiovascular Research Institute, a WHO collaborating WHO Collaborating Center in EMR Isfahan University of Medical Sciences. He has published more than 128 papers in reputed journals and has been serving as an associated editor of ARYA Atherosclerosis Journal as well as editorial board member of repute journals.

Title: HIV infection of brain pericytes is modulated by gap junction-mediated intercellular communication

Michal Toborek

Professor

Dr. Toborek has completed his MD and PhD from the Silesian Medical University, Poland, and completed his postdoctoral training at the University of Kentucky. He is the Vice-Chair for Research in the Department of Biochemistry and Molecular Biology. Research in Dr. Toborek's laboratory has been focused on several aspects of vascular biology. Specific interest involves studies on the integrity of the blood-brain barrier (BBB) and how different pathological conditions can lead to the disruption and/or dysfunction of the BBB. He has published numerous manuscripts related to this field and has been serving as an editorial board member of many journals.

Title: Hybrid nanostructures of inorganic particles and biomolecules: fabrication, antimicrobial activity and application in deep-UV imaging of live cells

Vladimir Djokovic

Professor

Vladimir Djoković received his PhD in physics from University Belgrade (Faculty of Physics) in 1999. He spent two year as a postdoctoral fellow at University of the Free State, South Africa. iN last couple of years, he was a visiting professor/researcher at NASA university research center, North Carolina Central University. So far, he published two book chapters and more than 60 papers in ISI journals. He is a leader of Polymer Nanocomposite group at Vinča institute from 2005 and a professor of polymer physics at Faculty of Physics, University of Belgrade.

Title: Developing Generalized Resemblance Models for Precision/Personalized Psychiatry

Maani Beigy

Student

Maani Beigy is a student of General Medicine and Master of Public Health at Tehran University of Medical Sciences. He is also the former director of Students' Scientific Research Center (SSRC). He has worked on Internal Medicine studies and in leadership roles across a wide range of interdisciplinary research projects. His research focus is now on precision/personalized medicine and developing the statistical methods and informatics framework of this paradigm of medical practice.

Title: Breast cancer gene expression profile analysis in terms of genes specific to non-breast tissues

Hatice Büşra Konuk

PhD student

Hatice Büşra Konuk has completed her undergraduate and graduate studies in Yildiz Technical University, Bioengineering Department, Turkey in 2015 and 2018, respectively. Her master thesis was about calculation of tissue-specific genes and investigation of intra-tumoral heterogeneity to understand cancer cell molecular mechanisms to reveal biomarkers for diagnosis and targeted therapy in solid tumors using computational approaches. She is now a PhD student and Research Assistant in Gebze Technical University Bioengineering Department/Bioinformatics and System Biology Program. Her keywords are data analysis, human genome, cancer genetics and computational approaches.

Title: Bioscience and the latest technology is the major tool for the development of health, reduction of global poverty and hunger in the world.

Muhammad Usman

agricultural scientist

Mr. Muhammad Usman, Former Director General of Agricultural Research System, Government of Pakistan who retired from service after a spotless career of about 35 years with senior level experience on research and development of integrated agricultural production, industries bioscience and bioenergy on a sustainable way. Mr. Usman is basically an agricultural scientist with specialization of agricultural, food and biochemistry working on the yield and quality of various products and published several research papers.

Title: Cytoophidia elongation and increased incidence of testicular overgrowth from the overexpression of a singular microRNA within Drosophila melanogaster

Najat Dzaki

Assistant Professor

Najat Dzaki presently working in School of Biological Sciences, Science University of Malaysia.

Title

Name

Affiliation

Biography

Conference Venue

Vienna, Austria



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Scientific Program

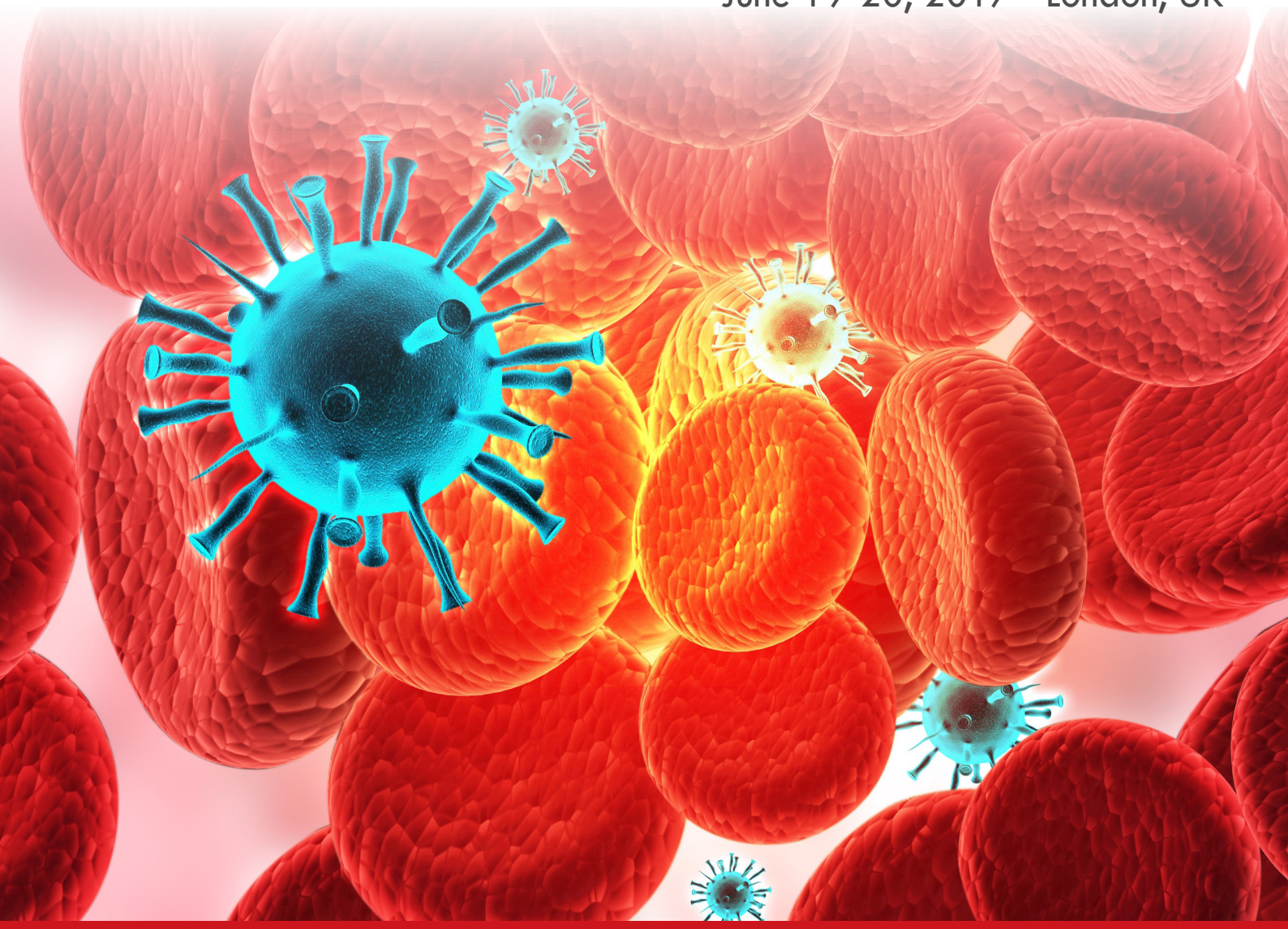
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Day 1 June 19, 2017

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Opening Ceremony

Keynote Forum

Title: Cholesterol masking of membrane glycosphingolipids provides a means to evade tumor immunosurveillance and the basis of a living cell transistor

Clifford Lingwood, Hospital for Sick Children, Canada

Title: Antibodies with functionality as a new generation of translational tools to monitor, to predict and to prevent demyelination

Sergey Suchkov, I.M. Sechenov First Moscow State Medical University, Russia

Group Photo

Networking & Refreshments

Title: Towards the structure of muscle Z-disk using integrative structural biology

Kristina Djinovic-Carugo, University of Vienna, Austria

Sessions: Integrative Biology

Session Chair: Clifford Lingwood, Hospital for Sick Children, Canada

Session Introduction

Title: Autophagy protease ATG4B as a drug target in cancer

Robin Ketteler, University College London, UK

Title: Tracking sub-clonal mutation frequencies throughout lymphoma development identifies cancer drivers in mouse models of lymphoma

Anthony Uren, Imperial College, UK

Title: The self-assembly of alpha-synuclein amyloid fibrils into higher order aggregates

Mireille Claessnes, University of Twente, Netherlands

Lunch Break

Sessions: Bioscience

Session Chair: Svetlana A Limborska, Russian Academy of Sciences, Russia

Session Co-chair: Sakae Tsuda, National Institute of Advanced Science and Technology, Japan

Session Introduction

Title: A new type I antifreeze protein BpAFP undergoes oligomerization to bind to whole surface of an ice crystal

Sakae Tsuda, National Institute of Advanced Science and Technology, Japan

Title: Evaluation of SSR and SNP markers obtained from transcriptome analysis by RNA-seq in *Rubus glaucus* Benth

Marta Leonor Marulanda, Technological University of Pereira, Colombia

Title: Enhancing T1 MRI contrast using gadolinium(III) in a multilayer nanoparticle

Oara Neumann, Rice University, USA

Title: Pharmacogenomics of peptide drugs

Svetlana A Limborska, Russian Academy of Sciences, Russia

Title: Combined metagenomics and meta-metabolomics analyses for cacao fermentation characterization

Juan Cevallos-Cevallos, Escuela Superior Politecnica del Litoral, Ecuador

Networking & Refreshments

Title: Metabolomic-based pathway analysis proposes changes in membrane fluidity of metalaxyl-resistant isolates of *Phytophthora infestans*

Maria Gabriela Mariduena-Zavala, Escuela Superior Politecnica del Litoral, Ecuador

Title: Advanced two-photon photolithography and novel ionic liquid – polymer composite enhance fundamental studies in biology

Natalia Bakhtina, Karlsruhe Institute for Technology, Germany

Title: Molecular genetic study to determine the role of melanin biosynthesis genes in the survival of the human pathogen *Lomentospora prolificans*

Ayat Al-Laaeiby, University of Exeter, UK

Panel Discussion

Day 2 June 20, 2017

Waterfront

Keynote Forum

Title: Plasmonics nanoprobes: A new generation of biotools for cellular sensing, biomedical imaging and bioenergy research

Tuan Vo-Dinh, Duke University, USA

Title: Visualization and quantification of protein interactions along microtubules in mammalian cells

David Pastre, University of Evry, France

Networking & Refreshments

Title: Bio-manufacturing of gout medicine

Ganapathi Sivakumar, University of Houston, USA

Sessions: Integrative Biology

Session Chair: Bernard S Lopez, Institut Gustave Roussy, France

Session Introduction

Title: Promoter sequences of genes controlling genome stability are altered in late G2 phase, following low/endogenous replication stress

Bernard S Lopez, Institut Gustave Roussy, France

Title: NELF-E is recruited to DNA double-strand break sites to promote transcriptional repression and repair

Nabieh Ayoub, Technion - Israel Institute of Technology, Israel

Title: Localized LoxL3-dependent fibronectin oxidation regulates myofiber stretch and integrin-mediated adhesion

Peleg Hasson, Technion - Israel Institute of Technology, Israel

Lunch Break

Title: Mapping the landscape of a eukaryotic degronome

Tommer Ravid, Hebrew University of Jerusalem, Israel

Title: Toll-like receptor 2-mediated MAPKs and NF-kB activation requires GNAO1-dependent pathway in human mast cell

Yangyang Yu, Shenzhen University Health Science Center, China

Title: Dynamic location of integration sites on host genomes during lateral gene transfer processes in live bacteria

Rinat Arbel-Goren, Weizmann Institute of Science, Israel

Title: The potential use of clausenidin in the treatment of liver cancer

Peter M Waziri, University of Putra, Malaysia

Title: iPSC-based research of bipolar mania

Jun Yao, Tsinghua University School of Life Sciences, China

Networking & Refreshments + Poster Presentations

Video Presentation

Title: The effects of initial conditions on fabrication of porous material

Peng-Sheng Wei, National Sun Yat-sen University, Taiwan

Title: Tumor suppressor miRNAs: Hypermethylation and novel potential targets in breast cancer

Eleonora A Braga, Institute of General Pathology and Pathophysiology, Russia

Award & Closing Ceremony

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Scientific Program



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Opening Ceremony

Keynote Forum

Title: Designing reproductive/juvenile animal studies to reduce animal use, while maximizing human translation
Alan M Hoberman, Charles River Laboratories, USA

Title: Protein S, a new agent in adjunct therapy of hemophilia-B
Rinku Majumder, LSU Health Science Center, USA

Networking & Refreshment Break

Sessions:
Bioscience | Molecular Biotechnology | Biomedical Science | Microbiology | Agriculture Bioscience | Food Science | Bioinformatics and Computational Biology | Nano Biotechnology

Session Chair: Antonia dos Reis Figueira, Universidade Federal de Lavras, Brazil
Session Co-Chair: Michael K E Schaefer, Johannes Gutenberg University of Mainz, Germany

Session Introduction

Title: The NG2 proteoglycan is an endogenous modulator of adverse glial responses and counteracts neurological deficits following traumatic brain injury
Michael K E Schaefer, Johannes Gutenberg University of Mainz, Germany

Title: Protein S inhibits factor IXa *in vivo*: Elucidation of the allosteric (interaction/sites) in the first EGF and catalytic domains
Rinku Majumder, LSU Health Science Center, USA

Title: RAPD PCR profiling of lipase producing bacterial isolates from Anhoni hot spring, central India
Anita Tilwari, Madhya Pradesh Council of Science and Technology, India

Title: Variations in mineral crystallites of bone at distinct skeletal sites and its relationship with diseases like osteoporosis
Hasan Baber, Dow University of Health Sciences, Pakistan

Title: Protection from radiation and radiation dose response with dose modification factor of *Phyllanthus niruri* on *Mus musculus*: Standardization of radioprotector effect
Indu Thakur, Jawaharlal Nehru Cancer Hospital and Research Centre, India

Lunch Break

Title: The potential use of clausenidin in the treatment of liver cancer
Peter M Waziri, University Putra Malaysia, Malaysia

Title: Prevention: The answer for bacterial resistance
Alan R Criollo Ródiz, Kabla Diagnostics, Mexico

Title: Effect of non-thermal atmospheric plasma on surface morphology of radicular dentin: A pilot study
Basak Kusakci Seker, Eskisehir Osmangazi University, Turkey

Title: The use of positive controls bank for the diagnosis of quarantine viruses and viroids through PCR and RT-PCR as a safer alternative
Antonia dos Reis Figueira, Universidade Federal de Lavras, Brazil

Networking & Refreshment Break

Title: Nitrogen mineralization dynamics of different valuable organic amendments commonly used in agriculture

Veronica Uzokwe, International Institute of Tropical Agriculture, Tanzania

Title: Development of a prototype malaxer to investigate the influence of oxygen on extra-virgin olive oil quality and yield

Antonia Tamborrino, University of Bari Aldo Moro, Italy

Title: Phenolic compounds from wood extract of *Artocarpus heterophyllus* and their inhibitory activity on EBV-EA induction

Hiroyuki Akazawa, Nihon University Junior College, Japan

Title: Physicochemical evaluation of olive paste and olive oil obtained by a new partial destoner machine implemented in an industrial olive oil extraction plant

Alessandro Leone, University of Foggia, Italy

Title: Olive paste conditioning by an industrial continuous microwave system

Roberto Romaniello, University of Foggia, Italy

Title: Computational analysis of the intermolecular interaction driving the self-assembly of collagen

Esma Eryilmaz, Selcuk University, Turkey

Title: Arrayed miniature femtoliter, picoliter and nanoliter volume vessels for live-cell imaging time-lapse measurement at single-cell/element resolution

Elena Afrimzon, Bar Ilan University, Israel

Title: Intrinsically stable oxidized silicon nanoclusters in aqueous solution

Hanieh Yazdanfar, University of Leicester, UK

Title: Chondroitin sulfate in stem cell differentiation

Michael Klüppel, Northwestern University, USA

Panel Discussion

Day 2 September 13, 2016

Poster Presentations & Networking

Extended Networking Session & Lunch



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