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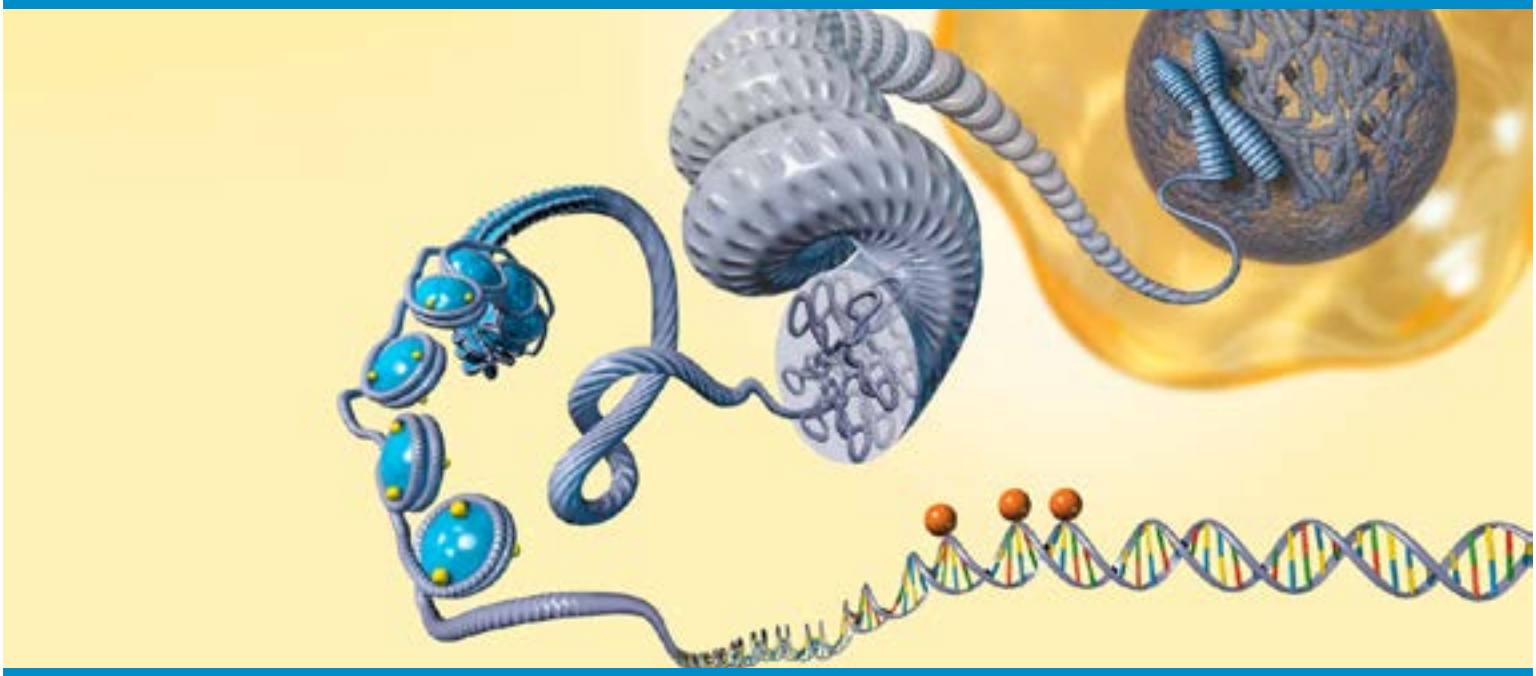
Tentative Program

5th International Conference on

Integrative Biology

London, UK June 19-21, 2017

The Leading Genetics and Molecular Biology Event Integrative Biology 2017 is coming to Europe



300+ Participation (70 Industry: 30 Academia) includes

- 12+ Interactive Sessions
- 12+ Keynote Lectures
- 50+ Plenary Lectures
- 5+ Workshops
- 20+ Exhibitors
- B2B Meetings

For available speaker slots

integrativebiology@conferenceseries.net

http://integrativebiology.conferenceseries.com/

Tentative Agenda

Morning Sessions	Reception/Registration	08.00-09.00		19 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)			
Evening Sessions	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	40 Speakers on Day 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)	

Day 3

Morning Sessions		Time	Session 1	Session 2	30 Speakers on Day 3
	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)	
	Awards & Closing Ceremony				

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

For more Details PS: http://integrativebiology.conferenceseries.com/
integrativebiology@geneticconferences.com; integrativebiology@conferenceseries.net

Abstract Submission: http://integrativebiology.conferenceseries.com/abstract-submission.php
Scientific Session: http://integrativebiology.conferenceseries.com/call-for-abstracts.php
Registration: http://integrativebiology.conferenceseries.com/registration.php

Conference Highlights

- Cell Biology
- Tissue Engineering
- Stem Cell Biology
- Developmental Biology
- Cancer Biology
- Molecular Biology
- Structural Biology
- Genetic Engineering and rDNA Technology
- Genomics
- Computational Biology & Bioinformatics
- Systems Biology
- Bio-Engineering
- Biophysics

About London

London's history stretches back over thousands of years, and the city boasts four World Heritage Sites: the Palace of Westminster and Westminster Abbey, the Tower of London, Maritime Greenwich and the Royal Botanic Gardens, Kew. London is the political, economic and cultural capital of Britain. You can visit the Queen's official residence at Buckingham Palace and tour the Houses of Parliament, historic home of the UK government. The city is incredibly well-connected, with five international airports and the high-speed Eurostar rail link. More than 50 countries are within a three-hour flight time and upwards of 300 international destinations have direct links to London. London's facilities for disabled visitors are constantly improving, with more accessible attractions, restaurants, tours and transport.

Tourist attractions:

- London Eye-Iconic riverside observation wheel
- Tower of London-Medieval castle housing the Crown Jewels
- Buckingham Palace-Home of the British Queen & State Rooms
- Tower Bridge-Iconic Victorian turreted bridge
- St Paul's Cathedral-Iconic cathedral's churchyard & garden
- Westminster Abbey-Gothic church & site for coronations
- Big Ben-London's iconic national timepiece
- Palace of Westminster-Iconic home of UK parliament
- British Museum-A historian's treasure trove
- London Dungeon-Hi-tech haunted house attraction
- Trafalgar Square-Nelson's Column, fountains & lions
- Globe Theatre, London-Replica of circular Elizabethan theatre
- National Gallery, London-Major art from 13th to 19th centuries
- Kensington Palace-Royal museum in state residence
- Hyde Park-Acres of greenery in Central London

Best Tourist Destinations in London, UK



5 Off the Beaten Path Sights in London



5 Reasons to celebrate New Year's in London



10 Best Day Trips from London



10 Top Tourist Attractions in London



Piccadilly Circus and Trafalgar Square



Big Ben and Parliament



British Museum



Coca-Cola London Eye



Hampton Court Palace



Royal Museums Greenwich



National Gallery



Natural History Museum

Contact Us

Important Dates

Abstract submission opens: August 06, 2016

Registration opens: August 15, 2016

Early bird registration: December 05, 2016

On spot registration: June 18, 2017

Abstract Submission: http://integrativebiology.conferenceseries.com/abstract-submission.php

Scientific Session: http://integrativebiology.conferenceseries.com/call-for-abstracts.php

Registration: http://integrativebiology.conferenceseries.com/registration.php

Venue

London, UK



conferenceseries.com

557th Conference

Scientific Program

4th International Conference on

Integrative Biology

July 18-20, 2016 Berlin, Germany



Conference Series LLC

2360 Corporate Circle, Suite 400 Henderson, NV 89074-7722, USA **Ph:** +1 702 508 5200 **Ext:** 8033

e-mail: integrativebiology@conferenceseries.net; integrativebiology@geneticsmeetings.com

Registrations

Experience II

conferenceseries.com

Opening Ceremony

Keynote Forum

Title: Virtualized drug development for (truly) personalized drug therapy
Hans Lehrach, Max Planck Institute for Molecular Genetics, Germany

Title: The retinoic acid receptor controls the mechanobiology in pancreatic stellate cells to suppress matrix remodeling and inhibit cancer cell invasion
Armando del Rio Hernandez, Imperial College London, UK

Networking & Refreshment Break @ Main Lobby

Title: Structural basis of pre-mRNA splicing
Reinhard Lührmann, Max Planck Institute for Biophysical Chemistry, Germany
Title: Chemical biology directed to anti-infective drug discovery
Mark Brönstrup, Helmholtz Centre for Infection Research, Germany

Session Introduction

Sessions: Cell Biology | Developmental Biology | Stem Cell Biology | Tissue Biology

Session Chair: Anja Nohe, University of Delaware, USA
Session Co-Chair: Jamila Chakir, Laval University, Canada

Title: Potential targets of VIVIPAROUS1/ABI3-LIKE1 (VAL1) repression in developing *Arabidopsis thaliana* embryos
Eva Collakova, Virginia Tech, USA
Title: Hybrid PCL/chitosan scaffolds with micro and macro porosity
Hilal Turkoglu Sasmazel, Atilim University, Turkey
Tittle: Regulation of inflammatory and anti-apoptotic responses through the IL–1RI/TILRR complex
Eva Qwanstrom, University of Sheffield, United Kingdom

Lunch Break: @ Element I+II Restaurant

Title: New treatments for articular cartilage formation and repair
Anja Nohe, University of Delaware, USA
Title: The mechanobiology of muscle nuclei: Mechanism and functional significance
Talila Volk, Weizmann Institute of Science, Israel
Title: Protein replacement therapy for mitochondrial disorders: New hopes for incurable diseases
Haya Lorberboum-Galski, The Hebrew University of Jerusalem, Israel
Title: Investigation of sensory interface relaying information from cerebrospinal fluid to motor circuits
Claire Wyart, Institut du Cerveau et de la Moelle épinière-UPMC CNRS, France
Title: microRNAge: The role of microRNAs in aging of the *Drosophila* germline stem cell niche
Hila Toledano, University of Haifa, Israel
Title: Radio-sensitization of clioquinol and zinc ion in human cancer cells
Yu Haijun and Yunfeng Zhou, Zhongnan Hospital of Wuhan University, China
Title: Dissecting the mechanisms of liquid to solid phase transition associated with neurodegenerative diseases
Avinash Patel, Max Planck Institute of Molecular Cell Biology and Genetics, Germany

Networking & Refreshment Break @ Main Lobby

Tittle: Actin and annexin A2: Essential partners of neuroendocrine secretion
Chasserot-Golaz Sylvette, Institute of Cellular and Integrative Neurosciences, France
Title: Tissue engineering concept of a model of airway bronchial mucosa
Jamila Chakir, Laval University, Canada
Title: Importance of Myc-related microRNAs in induced pluripotency
E. Sacide Çaglayan, Yıldırım Beyazıt University, Turkey

Title: Neogenin expression may be inversely correlated to the tumorigenicity of human lung cancer
Yu Liu, Zhongnan Hospital of Wuhan University, China

Title: Proteolytic maturation of *Drosophila* neuroligin3 in central nervous system
Jun Wu, Southeast University, China
Title: Chondrogenic and possible pathologic effects of PRP on adipose derived MSCs
Arezou Pakfar, Islamic Azad University, Iran
Title: The effect of biosynthesized *Rhazya stricta* leaf extracts with gold nanoparticles on breast cancer cell lines
Mohammed Nabih Baeshen, University of Jeddah, KSA

Panel Discussion

Day 2 July 19, 2016

Experience II

Special session by Nobel Laureate Ada Yonath

Title: Novel antibiotics against species-specific resistance, microbiome conservation and environmental preservation
Ada Yonath, Weizmann Institute, Israel

Keynote Forum

Title: How is the chirality information transferred during the mollusk development?
Reiko Kuroda, Tokyo University of Science, Japan

Networking & Refreshment Break @ Main Lobby

Sessions: Molecular Biology | Structural Biology

Session Chair: Michael Kolbe, Max Planck Institute for Infection Biology, Germany
Session Chair: Alexei V Finkelstein, Russian Academy of Sciences, Russia

Session Introduction

Title: There and back again: Two views on the protein folding puzzle
Alexei V Finkelstein, Russian Academy of Sciences, Russia
Title: The bacterial type 3 secretion system: Structure function analysis of a molecular syringe
Michael Kolbe, Max Planck Institute for Infection Biology, Germany
Title: Proteasome dynamics
Cordula Enenkel, University of Toronto, Canada
Title: Non-coding RNAs: An integrative biology hope for anxiety-related syndromes
Hermona Soreq, The Hebrew University of Jerusalem, Israel
Title: The foldback intercoil DNA
Byung-Dong Kim, Seoul National University, South Korea
Title: Structural basis of DNA gating by gyrase and topoisomerase IV and its inhibition by antibacterial therapeutics
Larry Mark Fisher, University of London, UK

Lunch Break: @ Element I+II Restaurant

Title: The relationship between the structural properties of p53 binding sites and p53-dependent gene expression
Tali Haran, Technion-Israel Institute of Technology, Israel
Title: Bacterial genetics and structural biology for decoding the ubiquitin code
Gali Prag, Tel Aviv University, Israel
Title: Mechanically-induced protein structural changes in fibrin hydrogels using hyperspectral CARS microscopy
Sapun H Parekh, Max Planck Institute for Polymer Research, Germany
Title: Extrachromosomal circular DNA: A key player in creation of copy number variation
Henrik Devitt Møller, University of Copenhagen, Denmark
Title: Exposure to early life stress and glucocorticoids: Mechanisms of system-wide epigenetic effects
Nadine Provençal, Max Planck Institute of Psychiatry, Germany

Title: Identification of non-intuitive biomarkers predicting dependency on AKT vs. MAPK signaling of ERBB2+ cancer cells using an integrated experimental and computational framework

Jinyan Du, Merrimack Pharmaceuticals Inc., USA

Title: The genetics of aortic valve disease

Mona Nemer, University of Ottawa, Canada

Title: Effect of porcine CD14 *gene* RNAi on the expression of toll-like receptor 4 pathway-related genes, the level of pro-inflammatory cytokines and adhesion ability to *Escherichia coli*
Chaohui Dai, Yangzhou University, China
Title: Radio-sensitization of clioquinol and zinc ion in human cancer cells
Ying Liu, Yangzhou University, China

Poster Competition and Refreshment Break @ Main Lobby

IB- 01	**Title: Synergistic antimicrobial effects and GC-MS analysis of phytocomponents of *Commiphora quadricincta*** **Nehad Mahmoud Gumgumjee**, King Abdulaziz University, KSA
IB- 02	**Title: Antibacterial and phytochemical properties of Qutran (wood tar) from *Olea europaea* subsp. cuspidate growing in Saudi Arabia (Al Bahah district)** **Abdul Rahman Hajar**, King Abdulaziz University, KSA
IB- 03	**Title: Identification of tissue specific cell death using methylation patterns of circulating DNA** **Daniel Neiman**, The Hebrew University-Hadassah Medical School, Israel
IB- 04	**Title: Adipose-derived stromal cell cluster with light therapy enhance angiogenesis and skin wound healing in mice** **In-Su Park**, Dankook University, South Korea
IB- 05	**Title: Evaluation of somatic point mutations associated to splicing mechanisms in colorectal cancer** **Joice de Faria Poloni**, Federal University of Rio Grande do Sul, Brazil
IB- 06	**Title: Screening the effect of different extraction methods for callus extracts of cassava (*Manihot esculenta*) plants using polar and non polar solvents as anti-breast cancer cell growth** **Nermeen M Arafa**, National Research Centre, Egypt

Panel Discussion

Day 3 July 20, 2016

Experience II

Sessions: Systems Biology | Bioinformatics | Bioengineering | Bioimaging

Session Chair: Bernard Korzeniewski, Jagiellonian University, Poland
Session Chair: Mahmoud Rouabhia, Laval University, Canada

Session Introduction

Title: Regulation of oxidative phosphorylation during work transitions and bioenergetic background of mitochondrial diseases
Bernard Korzeniewski, Jagiellonian University, Poland
Title: Novel methods for integrative modeling of biomedical data
Vanathi Gopalakrishnan, University of Pittsburgh School of Medicine, USA
Title: Mutational interference mapping experiment (MIME) for studying RNA structure and function
Max von Kleist, Freie Universität Berlin, Germany
Title: Cellular systems biology of chromosome dynamics
Karen Lipkow, University of Cambridge, UK

Networking & Refreshment Break @ Main Lobby

Title: MHC I and antigen selection: Immune system modeling integrates cellular function with structural plasticity
Jorn M Werner, University of Southampton, UK
Title: Investigating functional relationships of five critical genes present in the familial non-synonymous loci with risk of having acute lymphoblastic leukemia
Erchin Serpedin, Texas A&M University, USA
Title: Energy anabolism as a modulator of adaptation across domains of life
Daniel H Shain, Rutgers University, USA

Title: Conformational study of a mutated protein complex in xeroderma pigmentosum disease using molecular dynamics and residue interaction networks

Bruno César Feltes, Federal University of Rio Grande do Sul, Brazil

Title: Robust patterning of gene expression based on internal coordinate system of cells
Ken-ichro Ogawa, Tokyo Institute of Technology, Japan
Title: Super-resolution imaging of intrinsically fast moving flagellates
Susanne Franziska Fenz, University of Wurzburg, Germany

Lunch Break: @ Element I+II Restaurant

Title: Fabrication of high biocompatible Pt-nylon and Pt-silk composite materials by supercritical carbon dioxide-assited metallization method
Tso-Fu Mark Chang, Tokyo Institute of Technology, Japan
Title: Electrical stimulation as a tool to accelerate cutaneous regeneration and wound repair
Mahmoud Rouabhia, Laval University, Canada
Title: Synthesis of molybdenum disulphide (MoS^2) gadolinium complex with core shell structure used as *in vivo* MRI
Rajeshkumar Anbazhagan, National Taiwan University of Science and Technology, Taiwan

Thanks giving & Closing ceremony











Scientific Program

3rd International conference on

Integrative Biology

Valencia, Spain August 04-06, 2015



Emmanuel Mic. Drakakis
Imperial College London
UK



Peter L. Nagy
Columbia University,
USA



A del Río Hernández
Imperial College London
UK



Lidia Gardner
The University of Tennessee Health Science Center, USA



Jamila Chakir
Laval University
Canada

Keynote Forum

Title: Ultra low power cytomimetic VLSI circuits: Synthesis method & proof-of-concept results
Emmanuel Mic. Drakakis, Imperial College London, UK

Title: Integration of next-generation sequencing data with analytical chemistry, structural biology and cell biology
Peter L. Nagy, Columbia University, USA

Track 1: Genomics and Bioinformatics
Track 2: Integrative Computational Biology
Track 3: Drug Discovery and Integrative Biology

Session Chair: Jeffrey Zheng, Yunnan University, China
Session Co-chair: Dang Duong Bang, Technical University of Denmark, Denmark

Session Introduction

Title: Variant maps to identify coding and non-coding DNA sequences of genomes selected from multiple species
Jeffrey Zheng, Yunnan University, China
Title: Importance of Apolipoproteins in MS
Lidia Gardner, The University of Tennessee Health Science Center, USA

Title: Metamaterials-based label-free nanosensor for conformation and bioaffinity sensing
Cuong Cao, Queen's University Belfast, UK
Title: The phospholipid enzyme CTP:phosphoethanolamine cytidylyltransferase (Pcyt2) is a new target for oxidative stress therapy and ischemia
Bakovic Marica, University of Guelph, Canada
Title: Towards a total integrated Lab-on-a-chip system for food safety
Dang Duong Bang, Technical University of Denmark, Denmark
Title: Hypothetical proteins: Can they be the next drug targets?
Normi Mohd Yahaya, Universiti Putra Malaysia, Malaysia
Title: Lab-on-a-chip system with integrated sensors for 3D tissue engineering applications
Anders Wolff, Technical University of Denmark, Denmark
Title: Deciphering the epigenetic code with innovative insect models
Ryszard Maleszka, The Australian National University, Canberra

Title: Synthesis and evaluation of new thienopyrimidine/pyridine derivatives as antitumoral and/or antiangiogenics
Maria-Joao R. P. Queiroz, University of Minho, Portugal
Title:Onychomycosis: 1064-nm Nd:YAG q-switch laser treatment
Hector Ricardo Galvan Garcia, University of Guadalajara, Mexico
Title:Natural cholinesterase inhibitors isolated from anatolian plants
Gulacti Topcu, Bezmialem Vakif University, Turkey
Title:Approaches for stimulating white rot fungi to accumulate bioactive polyphenols and flavonoids
Xiangqun Xu, Zhejiang Sci-Tech University, China
Title: Systematic identification and characteristics of long non-coding RNAs in of pigs
Zhonglin Tang, Chinese Academy of Agricultural Sciences, China

Workshop: Creative Approaches for Computational Genomics

Jeffrey Zheng, Yunnan University, China

Panel Discussion

Day 2 August 05, 2015

Track 4: Cell Biology
Track 5: Tissue Biology
Track 6: Developmental Biology

Session Chair: Anja Nohe, University of Delaware, USA
Session Co-chair: Nirmal K. Shetty, Shri Krishna Research Centre, India

Session Introduction

Title: Identifying new targets to improve skeletal formation in human
Anja Nohe, University of Delaware, USA
Title: Organization of avian thymic medulla and surfactant production
Imre Olah, Semmelweis University, Hungary
Title: Regulatory role of microRNA in severe asthma
Jamila Chakir, Laval University, Canada
Title: Stem cell biology and applications in preclinical experiments
Helena Barreto Henriksson, Sahlgrenska University Hospital, Sweden
Title: High density lipoprotein signaling in macrophages and its role in atherosclerosis protection
Bernardo L Trigatti, McMaster University. Canada
Title: New nomenclature for pedigree charts based on the novel pattern of inheritance of ancestral and parental chromosomes
Nirmal. K. Shetty, Shri Krishna Research Centre, India
Title: On the computational ability of the RNA polymerase II carboxy terminal domain
Jim Karagiannis, University of Western Ontario, UK
Title: Telomere/telomerase and radiosensitivity
Yunfeng Zhou and Wenbo Wang, Wuhan University, China
Title: Carboxyl terminus of Hsp70-interacting protein(CHIP) functions as a tumor suppressor and enhance the radiosensitivity in cervical cancer
Hui Yang, Wuhan University, China
Title: Antiangiogenic treatment in non-small cell lung cancer (NSCLC)
Ewa Maj, Polish Academy of Science, Poland
Title: The role of microRNA-125b in calcitriol-induced differentiation of human leukemia and lymphoma cells
Justyna Trynda, Polish Academy of Science, Poland
Title: Diagnosis of dengue infection using metabolome analysis (biomarker profiles)
Abdel-Hamid, National research centre, Egypt

Track 10: Systems Biology

Session Chair: Robert A. Drewell, Clark University, USA
Session Co-chair: Jacqueline M. Dresch, Clark University, USA

Title: Decoding the regulatory architecture in Drosophila Hox gene enhancers
Robert A. Drewell, Clark University, USA
Title: Detecting nucleotide interdependency in transcription factor binding sites
Jacqueline M. Dresch, Clark University, USA
Title: Comparative network analysis of insulin resistance in caucasian and african americans
Bin Zhang, Icahn School of Medicine, USA
Title: Constructing a workflow based on breath and urinary metabolomics to go further on asthma management
Silvia M. Rocha, University of Aveiro, Portugal
Title: Systems Biology of nanocellulose synthesis: new approach to build a core metabolic model based on computational analysis
Samara Silva de Souza, Federal University of Santa Catarina, Brazil
Title: A new computational approach to graphically highlight regulation relationships in metabolic systems from chromatographic data
Nabil Semmar, Higher Institute of Applied Biological Sciences of Tunis, Tunisia

Poster Presentation

Day 3 August 06, 2015

Track 7: Bio-Engineering
Track 8: Systems Toxicology
Track 9: Ecology and Evolution

Session Chair: Armando del Rio Hernandez, Imperial College London, UK

Session Co-chair: Witold Chmielewski, Laval University, Canada

Session Introduction

Title: Repeated exposure to cigarette smoke increased gingival fibroblast proliferation, telomerase activity through the activation of cell cycle genes activity
Mahmoud Rouabhia and Witold Chmielewski, Laval University, Canada
Title: Apolipoprotein E4 mediated targeting of blood brain barrier using nano-micellar metal chelators for treatment of Alzheimer's disease
Fatemeh Bahadori, Bezmialem Vakif University, Turkey
Title: Integration of biocompatible MEMS by gold electrodeposition using supercritical carbon dioxide
Masato Sone, Tokyo Institute of Technology, Japan
Title: Nano-G metrology system and its biomedical applications by CMOS-MEMS technology
Daisuke Yamane, Tokyo Institute of Technology, Japan
Title: Ultra-low power wireless transceiver systems for biomedical application
Hiroyuki Ito, Tokyo Institute of Technology, Japan
Title: Treatment with laser Nd: YAG q-switch vs Ipl in superficial mycoses , deep and atypical mycobacteria
Hector Ricardo Galvan Garcia, University of Guadalajara, Mexico
Title: Therapeutic potential of mesenchymal stem cells to treat Achilles tendon injuries
Maria Helena Costa Vieira, Universidade Federal de Mato Grosso do Sul, Brasil

Closing Plenary Lecture: Switching off the forces that drive pancreatic cancer: Current and Future perspectives

Armando del Rio Hernandez, Imperial College London, United Kingdom

Panel Discussion

Closing Ceremony

Poster Presentations

INB-001
Title: The use of biotechnology to enhance tolerance of Micro-Tom tomato to salinity in Saudi Arabia
Mourad A.M. Aboul-Soud, King Saud University, Saudi Arabia

INB-002
Title: Molecular classification of oils content: Antifungals, Antimicrobials
Francisco Torrens, University of Valencia, Spain

INB-003
Title: Evaluation of pH effects on genomic integrity in adipose-derived mesenchymal stem cells using the comet assay
Andreia Antoniolli, Federal University of Mato Grosso do Sul, Brasil

INB-004
Title: Towards Aspergillus niger diagnosis based on a molecular biomarkers pattern defined from exometabolome complex data
Silvia M. Rocha, University of Aveiro, Portugal

INB-005
Title: Transcriptomic and tissue culture approaches for production of Amaryllidaceae alkaloids
Aleya Ferdausi, University of Liverpool, UK

INB-006
Title: Fluorescence studies of new potential antitumoral N-(2 and 3-methoxyphenyl)thieno[3,2-b]pyridin-7-amines encapsulated in nanoliposomes
Maria Joao R. P. Queiroz, University of Minho, Portugal

INB-007
Title: Upregulation of miR-29a and genomic DNA hypermethylation in normal karyotype AML showing DNMT3A mutation
Maria Mirto, University of Palermo, Italia

INB-008
Title: Somatic embryogenesis and double haploid techniques for improvement of mutant wheat
Ayse SEN, Istanbul University, Turkey

INB-009
Title: Functional genomic analysis of Comamonastestosteronistrain P19 degrading aromatic compounds
Jong Chan Chae, Chonbuk National University, Korea

INB-010
Title: Cadmium induces matrix metalloproteinase-9 expression via NADPH Oxidase/ROS-dependent EGFR signals in human endothelial cells
Young Do Jung, Chonnam National Universtiy Medical School, South Korea

INB-011
Title: Regulation of PKC-induced COX-2 expression by sex steroid hormonesin rat granulosa cells
Yuh-Lin Wu, National Yang-Ming University School of Medicine, Taiwan

2nd International conference on

Integrative Biology

August 04-05, 2014 Hilton-Chicago/Northbrook, Chicago, USA

Scientific Program

Keynote Forum

Introduction

Stevo Bozinovski
South Carolina State University, USA

Memory Elvin-Lewis
Washington State University, USA

Bernard Friedenson
University of Illinois at Chicago, USA

Track 1: Genomics and Bioinformatics
Track 7: Drug Discovery and Integrative Biology

Session Introduction

Session Chair: Fatimah Jackson, Howard University, USA
Session Co-Chair: Tao Lu, Indiana University, USA

Title: Decoding next-generation sequencing data using custom-built computational and quantitative methods
Yongsheng Bai, Indiana State University, USA

Title: Genomic analysis of blood-mediated disorders in African Americans
Fatimah Jackson, Howard University, USA

Title: Closely related sets of genes are mutated in both breast and viral cancers
Bernard Friedenson, University of Illinois at Chicago, USA

Title: The importance of making a genetic diagnosis in monogenic forms of Diabetes
Daniela Del Gaudio, University of Chicago, USA,

Title: Pseudo DNA sequence generation of noncoding distributions using stream cipher mechanism
Jeffrey Zheng, Yunnan University, China

Title: A P-type ATPase of Metarhizium acridum, MaENA1, modulates the thermo- and UV- tolerances of conidia involved in multiple mechanisms of stress tolerance revealed by Digital Gene Expression profiling
Yuxian Xia, Chongqing University, China

Title: The role of disorder in plasmonic devices for biological applications
J.S. Totero Gongora, King Abdullah University of Science and Technology, Saudi Arabia

Title: A proteomic-bioinformatic integrated approach for studying the effect of a peptide drug candidate on ovarian cancer cells
Maria Paola COSTI, University of Modena and Reggio Emilia, Italy

Title: The value of dereplications in understanding the worth of traditional Pharmacopeias
Memory Elvin-Lewis, Washington University in St. Louis, USA

Title: Protective effect of diltiazem and fenofibrate against ischemia-reperfusion induced cardiac arrhythmias in isolated rat hearts
Ishfaq A Bukhari, King Saud University, Riyadh, Saudi Arabia

Title: Using VBIM technique to identify carboplatin resistance genes in ovarian cancer cells
Tao Lu, Indiana University, USA
Title: Design, Synthesis and Biological Studies of Lymph Targeted Agents
Tao Jiang, Ocean University of China, China
Title: Translating multidimensional cancer omics data into biological insights
Bing Zhang, Vanderbilt University School of Medicine, USA

Panel Discussions

Cocktails sponsored by **Journal of Computer Science & Systems Biology @ Oaks**

Day 2 August 05, 2014

Birch

Track 6: Cell Biology
Track 8: Molecular Biology
Track 10: Bio-Engineering
Track 11: Systems Toxicology

Session Introduction

Session Chair: Marcelo C Sousa, University of Colorado Boulder, USA

Title: Structure and function of the BAM complex in outer membrane protein insertion
Marcelo C Sousa, University of Colorado Boulder, USA
Title: A natural biodrug targeting melanoma cells with varying p53 status
Neha Singh, Deakin University, Australia
Title: Impact of metal-loaded industrial dust on the physiology of a model experimental animal
Khadiga G Adham, King Saud University, Saudi Arabia
Title: Novel approach to integrate biocompatible MEMS by electrode position using supercritical carbon dioxide
Masato Sone, Tokyo Institute of Technology, Japan
Title: Multi-muscle control of postural muscles-manifolds and frequencies
Alessander Danna-dos-Santos, The University of Montana, USA
Title: Verification of systems biology research in the age of collaborative-competition
Iskandar Anita, Philip Morris International, Switzerland

Workshop

Title: Glyco-Proteomics as compiled post-genomics insight for development of novel biomarkers: Challenges and tidings in debate
Mohamed Warda, Cairo University, Egypt

Poster Presentation @ Oaks

Track 2: Systems Biology
Track 12: Developmental Biology

Session Introduction

Session Chair: Nirmal K Shetty, Shri Krishna Research Centre, India

Title: *In silico* minimal cell model systems
Fabio Mavelli, University of Bari, Italy
Title: Cortex-hypothalamus-controlled system: A closed loop control view
Liljana Bozinovska, South Carolina State University, USA
Title: A new perspective to inheritance of chromosomes and heredity- integrating molecular biology and Yin-Yang
Nirmal K Shetty, Shri Krishna Research Centre, India
Title: A bispecific antibody against IL-1□and IL-17A is beneficial for rheumatoid arthritis
Gui-ping Ren, Northeast Agricultural University, China
Title: Genetic diversity and molecular delineation of the declining population of four channid species from North India and possible conservation strategies
Iqbal Parwez, Aligarh Muslim University, India
Title: *Tomato bushy stunt virus*-based vector for transient expression of human G-CSF in *Nicotiana benthamiana* plants
Manabayeva S A, National Center for Biotechnology of Republic of Kazakhstan, Kazakhstan

Panel Discussions

Cocktails sponsored by **Journal of Applied Bioinformatics & Computational Biology @ Oaks**

International conference on

Integrative Biology Summit

August 05-06, 2013 Embassy Suites Las Vegas, NV, USA

Scientific Program

Keynote Forum

Introduction

Frederic Pro
Simon Fraser University, Canada

Raul Cuero
International Park of Creativity Invention Center, USA

David S. Holmes
Center for Bioinformatics and Genome Biology, Chile

Sheng-He Huang
University of Southern California, USA

Group Photo

Track 10: Genomics

Session Chair: Dan Ophir, Ariel University, Israeli

Session Co-Chair: Wenqi Ran, National Institute of Health, USA

Session Introduction

Title: Selection on codon usage and amino acid sequences in prokaryotes
Wenqi Ran, National Institute of Health, USA
Title: Alzheimer: Prodution of beta amyloid
Diana M Vasquez, International Park of Creativity, USA-Colombia
Title: Role of epigenetics in the HIF pathway and novel therapeutic opportunities
Mridul Mukherji, University of Missouri, USA
Title: An analysis of palindromes and n-nary tracts' frequencies applied in a genomic sequence
Dan Ophir, Ariel University, Israel
Title: Astrogenomics: A convergence of disciplines spawning inspiration
David S. Holmes, Center for Bioinformatics and Genome Biology, Chile

Felicitation to OCM's and EB Members

Track 1: Recent Advancements in Integrative Biology

Session Chair: Jeffrey Zheng, Yunnan University, China

Title: DNA sensors for predicting diabetes: A synthetic biology approach

Raul Cuero, International Park of Creativity Invention Center, USA-Colombia

Title: A new novelty detector for finding abnormal beats in ECG recordings
Fayyaz ul Amir, Colorado State University, USA

Title: Detecting symmetric properties of genomes based on 2D maps of variant phase space
Jeffrey Zheng, Yunnan University, China
Title: Secondary metabolites production: Use of integrative biology
Natalia Gutierrez Calle, International Park of Creativity, USA-Colombia
Title: The power of next generation sequencing and cancer
Shashi Bala, The Wistar Institute, USA
Title: Novel development of biological foam
Gabriela Melo Rodriguez, International Park of Creativity, USA

Track 2: Bioinformatics
Track 3: Bio-Systems Engineering

Session Chair: Frederic Pio, Simon Fraser University, Canada

Session Co-Chair: Masato Sone, Tokyo Institute of Technology, Japan

Session Introduction

Title: Detecting and understanding combinatorial mutation patterns responsible for HIV drug resistance
Jing Zhang, Yale University, USA
Title: Integrating structural bioinformatics and functional genomics to identify and characterize novel protein involved in cell death and viral immunity
Frederic Pio, Simon Fraser University, Canada
Title: Deconvolving taxonomic contributions to observed differences in the microbiome of COPD patient groups
Cavan Reilly, University of Minnesota, USA
Title: SM2PH-Central: An integrative knowledge base to investigate the genotype to phenotype relationships involved in human genetic diseases
Hoan Nguyen, Institut de Genetique et de Biologie Moleculaire et Cellulaire, France
Title: Extremophile Dormancy: Using targeted metagenomics to identify microbial community composition in hypersaline and freshwater lakes
Joshua C. Vert, Brigham Young University, USA

Title: Application of supercritical carbon dioxide into 3D integration of metal oxide/metal on polymer for biosensor and bioelectronics
Masato Sone, Tokyo Institute of Technology, Japan
Title: A comparative study of gene similarity measures
Anurag Nagar, Southern Methodist University, USA
***In silico* antimalarial drug designining**
Shailima Vardhini, St. Marys College, India

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Day 2 August 06, 2013

Flamingo 2

Workshop: How to Effectively Implement Integrative Biology, Using Synthetic Biology

Track 4: Transcriptomics
Track 5: New tools for Computational Biology
Track 6: Proteomic Technology

Session Chair: Samad Jahandideh, Sanford-Burnham Medical Research institute, USA

Session Co-Chair: Co-Chair: Jiaqian Wu, University of Texas Medical School, USA

Session Introduction

Title: A systematic approach to investigate the predicted effect of nonsynonymous SNPs in the human prion protein gene: A molecular modeling and molecular dynamics study
Samad Jahandideh, Sanford-Burnham Medical Research institute, USA
Title: RNA-Seq characterization of spinal cord injury transcriptome: A resource for understanding the pathology at the systems level
Jiaqian Wu, University of Texas Medical School, USA

Title: PCR without heat: Enhancement of DNA function
Mariana Sanchez, International Park of creativity, USA-Colombia
Title: Multi-null hypotheses method as an expert knowledge generator for AI-based detection of selection operating at molecular level
Krzysztof A. Cyran, Silesian University of Technology, USA
Title: Softcomputing in bionformatics inference system design and optimization
Tomas Arredondo, Universidad Tecnica Federico Santa Maria, Chile

Track 7: Clinical Data Analysis
Track 9: Cell and Regulatory Biology
Track 11: Systems Biology

Session Chair: David S. Holmes, Center for Bioinformatics and Genome Biology, Chile

Session Co-Chair: Sheng-He Huang, University of Southern California, USA

Session Introduction

Title: Computational analyses of transcriptomic data reveal the dynamic organization of the E.coli chromosome under different conditions
Qin Ma, University of Georgia, USA
Title: DNA transfer between the chloroplast, mitochondrion and nucleus
Jalal A. Aliyev, Azerbaijan National Academy of Sciences, Azerbaijan

Poster Presentation @ Riviera

Title: Clonogenic multiple myeloma cells have shared stemness signature associated with patient survival
Renji Reghunathan, National University Health System, Singapore
Title: Reconstruction of metabolic networks from in silico labeled substrates
Noushin Hadadi, Ecole Polytechnique Federal de Lausanne, Switzerland
Title: Quantum sensor for petroleum detection
Jennifer Russi, International Park of creativity, USA-Colombia
Title: Towards biofuels tolerant photosynthetic cyanobacteria using integrated OMICS approaches
Weiwen Zhang, Tianjin University, China

Award Ceremony

Cocktails: Sponsored by **Journal of Datamining in Genomics & Proteoimcs**

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