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7th International Conference on Integrative Biology

April 15-16, 2019
Berlin, Germany



SCIENTIFIC PROGRAM

DAY 1
Monday 15th April

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**

MEETING HALL 01

11:50-13:10 **Talks On:**

- Integrative Organismal Biology
- Cell Biology
- Molecular Biology
- Systems Biology

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

MEETING HALL 01

14:00-16:00 **Talks On:**

- Synthetic Biology
- Structural Biology
- Computational Biology and Bioinformatics
- Developmental Biology

16:00-16:20 COFFEE BREAK

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

DAY 2
Tuesday 16th April

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

10:30-10:50 COFFEE BREAK

10:50-12:50 — **MEETING HALL 01**

Talks On:

- Comparative Biology
- Species Biology
- Plant Biology
- Ecology and Evolutionary Biology

12:50-13:35 LUNCH BREAK

13:35-15:55 — **MEETING HALL 01**

Talks On:

- Cancer Biology
- Stem cell Biology
- Genetics
- Epigenetics

15:55-16:15 COFFEE BREAK

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

Awards & Closing Ceremony

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Berlin Attractions



Glimpses of Integrative Biology Conferences

















Scientific Program

JOINT EVENT

10th International Conference on

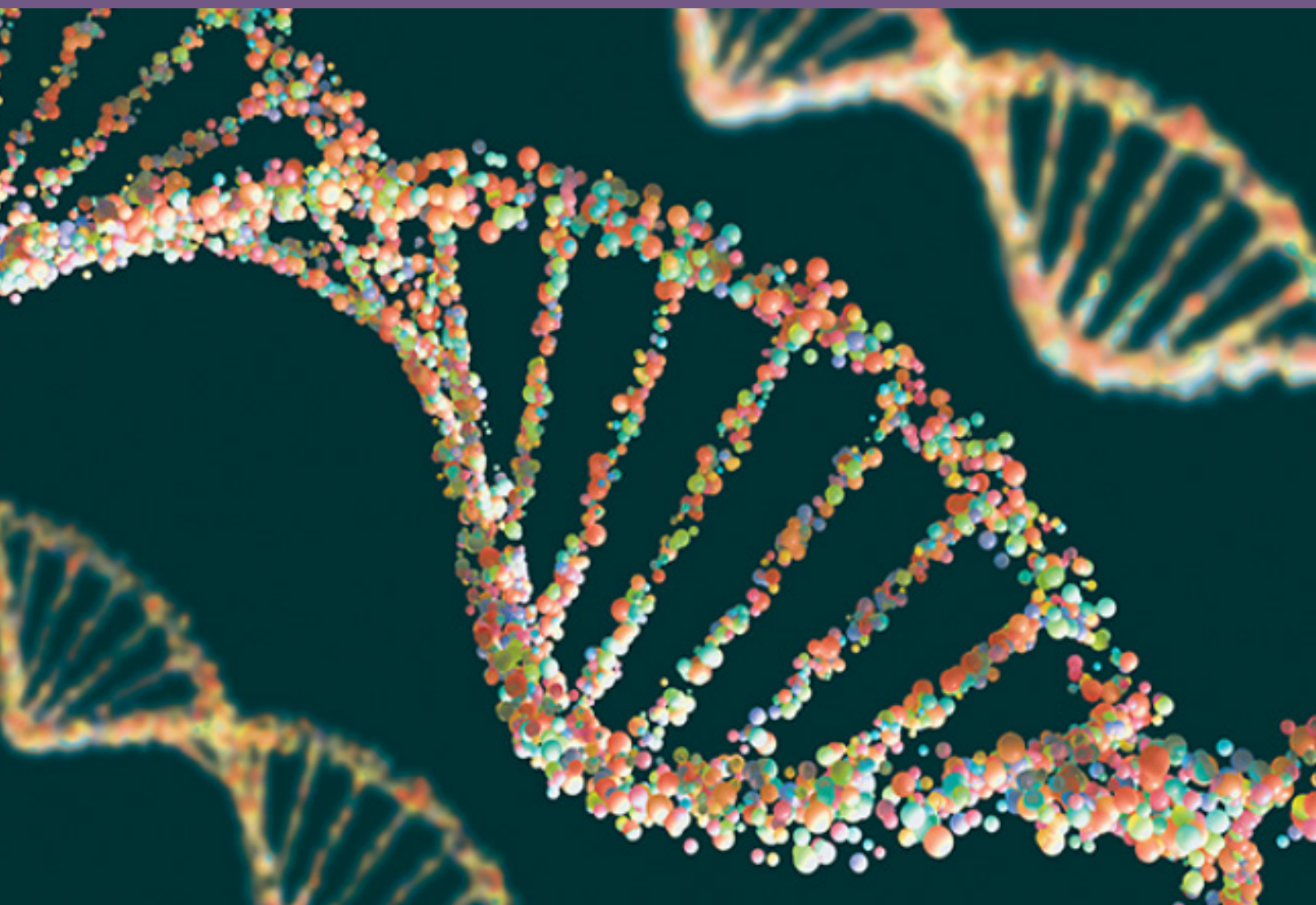
GENOMICS AND MOLECULAR BIOLOGY

&

6th International Conference on

INTEGRATIVE BIOLOGY

May 21-23, 2018 Barcelona, Spain



Day 1 May 21, 2018

Registrations

Hall Name: Orly

Opening Ceremony

Keynote Forum

Introduction

Title: Single point mutation of a gene creates mirror-image animals in fresh water gastropod

Reiko Kuroda, Tokyo University of Science, Japan

Title: Evolutionary genomics to improve functional prediction of parasite genes and proteins

Laila Alves Nahum, René Rachou Research Center, Brazil

Group Photo

Networking and Refreshments Break

Title: Big data in noncoding RNA and precision medicine

Runsheng Chen, Institute of Biophysics - CAS, China

Sessions: Genomics | Next Generation Sequencing | Cancer Biology | Bio-Engineering | Biomarkers Structural Biology | Integrative Biology

Session Chair: Laila Alves Nahum, René Rachou Institute, Brazil

Session Co-Chair: Mamoru Shoji, Emory University School of Medicine, USA

Session Introduction

Title: Pathways and co-expression network analysis of immune-related genes in short-term calorie restricted mice

Nehir Ozdemir Ozgenturk, Yildiz Technical University, Turkey

Title: Inhibition of breast cancer bone metastasis and pancreatic and colon cancer by synthetic curcumin analogue UBS109

Mamoru Shoji, Emory University School of Medicine, USA

Lunch Break

Title: Time-series experiment reveals new epigenetic signature and a gene regulatory network involved in early response to salinity stress in Arabidopsis T87 cells

Marta Koblowska, University of Warsaw, Poland

Title: Regulation of mitotic spindle polymerization by a novel histone deacetylase 3-linker histone H1.3 protein complex

Michael Bergel, Texas Woman's University, USA

Title: Engineering human oral mucosa for clinical application

Witold Chmielewski, Dentistry of Laval University, Canada

Title: Molar concentration welcomes avogadro in postgenomic analysys

Alexander Archakov, Institute of Biomedical Chemistry, Russia

Networking and Refreshments Break

Title: Targeted single-cell RNA expression profiling for biomarker discovery

Alex Chenchik, Cellecta, Inc., USA

Title: Multiplication of virulent bacteriophage: Interactions with the host

Arieh Zaritsky, Ben-Gurion University of the Negev, Israel

Title: Biological and chemical fixation of carbon dioxide

JoonChing Juana, University of Malaya, Malaysia

Panel Discussion

Day 2 May 22, 2018

Hall Name: Orly

Keynote Forum

Introduction

Title: Treatment of landfill leachate via advanced biological treatment technology

Ling Tau Chuan, University of Malaya, Malaysia

Title: Biophysical signaling, systems biology and carcinogenesis

Sarah S Knox, West Virginia University School of Public Health USA

Networking and Refreshments Break

Sessions: Human Genomics | Bioinformatics in Genomics | Micro RNA | | Biophysics | Cell biology

Session Chair: Michael Bergel, Texas Woman's University, USA

Session Co-Chair: Marta Koblowska, University of Warsaw, Poland

Session Introduction

Title: International Summit in Human Genetics and Genomics (ISHGG): Training the next generation of scientists and clinicians in human genetics and genomics in developing or genetics resource poor countries

Manjit Kaur, National Human Genome Research Institute - NIH, USA

Workshop

Title: Managing your experiments and projects beyond spreadsheets

Louis de Christen, Agilent, Spain

Title: Neuromegen: Achieving rapid diagnosis for neurodevelopmental disorders

Ana Fernández Marmiesse, University Hospital of Santiago de Compostela, Spain

Sessions

Title: Wave/particle duality in biomedical research

Sarah S. Knox, West Virginia University School of Public Health, USA

Presentation on Advanced Analytical Technologies, Inc.

Houda Hallay, Advanced Analytical Technologies, Inc., Germany

Lunch Break

Poster Presentations

ICGMB-01 to

ICGMB-01

Title: Regulation of miRNAs expression by mutant p53 gain of function in cancer

Tzitzijanik Madrigal Domínguez, UAM Iztapalapa, Mexico

ICGMB-02

Title: Genome-wide evaluation of loci and candidate genes underlying important traits in soybean (Glycine max (L.) Merr.)

Wenbin Li, Northeast Agricultural University, China

ICGMB-03

Title: Comparison of the effect of caloric restriction types on the expression of some cancer-associated genes via RNA-seq

Nehir Ozdemir Ozgenturk, Yildiz Technical University, Turkey

ICGMB-04

Title: Mussel adhesive protein-conjugated vitronectin (MAP151-V) induces anti-inflammatory activity on LPS-stimulated macrophages and UVB-irradiated keratinocyte

Kyung-Bae Pi, Biotechnology & Business Center, Korea

ICGMB-05

Title: Comparative genomics analysis of 29 Lactococcus lactis strains

Schermann Sabine, DuPont Nutrition and Health, France

ICGMB-06	**Title: A PtDRG1, desiccation response gene from Pyropia tenera (Rhodophyta) exhibits chaperone function and enhance abiotic stress tolerance** **Dong-Woog Choi,** Chonnam National University, South Korea
ICGMB-07	**Title: Admixture analyses of diverse goat genomic information for establishing Korean native goat breeding** **Kyung Tai Lee,** RDA - National Institute of Animal Science, South Korea
ICGMB-08	**Title: Onco-Plus: an integrated database and computational protocol for discovery of lead molecules targeting unique DNA** **Akhilesh Mishra,** Indian Institute of Technology Delhi, India
ICGMB-09	**Title: Population genomic analysis based on genome-wide SNP genotyping array reveals geographical and potential adaptive divergence in common carp (Cyprinus carpio)** **Jian Xu,** Chinese Academy of Fishery Sciences, China
ICGMB-10 to	
ICGMB-10	**Title: Expression of alpha 1 intensities in haptoglobin 2-1 and its association with clinical course in aneurysmal subarachnoid hemorrhage** **Bong Jun Kim,** Institute of New Frontier Research - Hallym University College of Medicine, Republic of South Korea
ICGMB-11	**Title: Exome analyses in subfamily trios from large family tree in the south-eastern Moravia (Czech Republic) population with high incidence of parkinsonism** **Radek Vodicka,** University Hospital Olomouc, Czech Republic
ICGMB-12	**Title: NGS analysis of miRNA expression patterns concerning therapeutic protein production and protein glycosylation in recombinant CHO DG44 cells** **Ann-Cathrin Leroux,** University of Ulm, Germany
ICGMB-13	**Title: SEQprocess: A pipeline tool for processing of next generation sequencing data with modularized customization** **Taewoon Joo,** Ajou University School of Medicine, Republic of Korea
ICGMB-14	**Title: Danshensu rescues ischemia/reperfusion caused hepatocyte damage** **Chun Ya Liang,** Chan Bing Show Chwan Memorial Hospital, Taiwan
ICGMB-15	**Title: The protective effect of simvastatin against UVB-induced corneal endothelial cell death** **Yi-Ru Ho,** Chan Bing Show Chwan Memorial Hospital, Taiwan
ICGMB-16	**Title: SPARC enhance acute corneal repair after chemical injury in a rat dry eye model** **Yun ching Cheng,** Chan Bing Show Chwan Memorial Hospital, Taiwan
ICGMB-17	**Title: Big data in noncoding rna and precision medicine** **Jianjun Luo,** Chinese Academy of Sciences, China
15:20-15:50	**Title: Difficulties of mosaicism interpretation in embryo aneuploidy screening in IVF setting** **Igors Pupko,** Reproductive Medicine and Genetic Clinic iVF Riga, Latvia
15:50-16:20	**Presentation on Macrogen Inc, Spain** **SoonWoo Kwon Kim,** Macrogen Spain
	Networking and Refreshments Break
	B2B Meetings: **Agilent Technologies, Spain, Advanced Analytical Technologies, Inc., Germany, Corning BV Life Sciences, Netherlands, Macrogen Spain**

Title: Exploring the design of RNA-Seq analysis pipeline
Miriam Payá Milans, University of Tennessee, USA
Presentation on Corning BV Life Sciences
Olivier Habert, Corning BV Life Sciences, Netherlands

Panel Discussion

Day 3 May 23, 2018

Hall Name: Orly

Keynote Forum

Introduction
Title: How does nucleoid complexity affect cell dimensions during the division process in bacillary bacteria
Arieh Zaritsky, Ben-Gurion University of the Negev, Israel

Sessions: Biophysics | Molecular Biology | Integrative Biology | Micro RNA | Genome Medicine | Cancer Genomics

Session Chair: Mamoru Shoji, Emory University School of Medicine, USA
Session Co-Chair: Sarah S. Knox, West Virginia University School of Public Health USA

Session Introduction

Title: Comparative diagnosis of avian viral diseases by real-time PCR and oligonucleotide microarray methods
Yerbol Burashev, Scientific Research Institute for Biological Safety Problems, Kazakhstan
Title: Integration of omics data to understand Alzheimer's disease
Sudeshna Das, Harvard university, USA
Title: Integration of scientific disciplines as powerful means of elucidating functional design in biology
J N Maina, University of Johannesburg, South Africa

Networking and Refreshments Break

Title: The use of whole exome sequencing to identify carriers of multiple variegated aneuploidy (MVA): A case study
Munirah T Aljaser, Farwaniya Hospital - MOH, Kuwait
Title: Cytoophidia elongation and increased incidence of testicular overgrowth from the overexpression of a singular microRNA within Drosophila melanogaster
Najat Dzaki, University of Science, Malaysia
Title: miR-199-sponge transgenic mice develop physiological cardiac hypertrophy
Ning Hou, Beijing Institute of Lifeomics, China
Title: miR-199a impairs autophagy and induces cardiac hypertrophy through mTOR activation
Zhenhua Li, Beijing Institute of Lifeomics, China

Lunch Break

Award Function & Closing Ceremony

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Scientific Program

9th International Conference on

Genomics & Pharmacogenomics

June 15-16, 2017 London, UK



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Day 1 June 15, 2017

Registrations

Waterfront 2

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Opening Ceremony

Keynote Forum

Title: The centers of premelton signals the beginning and ends of genes

Henry M. Sobell, University of Rochester, USA

Title: Tamoxifen pharmacogenomics of breast cancer: the controversy and way forward

Hiltrud Brauch, Dr. Margarete Fischer Bosch-Institute of Clinical Pharmacology, Germany

Networking & Refreshment Break

Sessions: Cancer Genomics | Functional Genomics | Next Generation Sequencing | Biomarkers | Pharmacogenomics | Proteomics | Clinical Genomics | Human Genomics | Genome Engineering

Session Chair: Jatinder Lamba, University of Florida, USA

Session Introduction

Title: Integrated genetic and epigenetic analysis identifies biomarkers of prognostic significance in pediatric acute myeloid leukemia

Jatinder Lamba, University of Florida, USA

Title: Single cell RNA sequencing analysis of bone marrow innate lymphoid progenitors

Yong Yu, Wellcome Trust Sanger Institute, United Kingdom

Title: Pharmacogenetics: advanced drug administration

Rozana Oliveira Goncalves, Oswaldo Cruz Foundation (Fiocruz), Brazil

Lunch Break

Title: From translational research to a new molecule for the treatment of multiple sclerosis

Anat Achiron, Tel-Aviv University, Israel

Title: Optimizing multiple sclerosis diagnosis using gene expression and genomic association data

Gurevich Michael, Sheba Medical Center, Israel

Title: Characterizing TYLCV in cucumber through the application of molecular techniques

Hanadi K Al-Hashash, Kuwait Institute for Scientific Research, Kuwait

Panel Discussion

Networking Session and Refreshment Break

Day 2 June 16, 2017

Waterfront 2

Keynote Forum

Title: Altered UBIAD1 prenyltransferase function in schnyder corneal dystrophy affects cholesterol metabolism and mitochondrial function

Michael L. Nickerson, National Cancer Institute, USA

Title: Use of Carrier exome screening for prevention of childhood malignancies and other sever congenital abnormalities

Peter L. Nagy, MNG Laboratories, USA

Refreshment Break

Micro RNA | mRNA Analysis | Bioinformatics in Genomics | Comparative Genomics | Microbial Genomics | Plant Genomics | Future trends in Genomics | Genome Medicine | Genomics Market

Session Chair: Gregg S. Pettis, Louisiana State University, USA

Session Introduction

Title: Phenotypic and transcriptomic analyses of colonial phase variants of the cholera pathogen vibrio choleraer eveal a novel biofilm-defective form

Gregg S. Pettis, Louisiana State University, USA

Title: Identification of microRNAs signature and signaling pathway targets in an animal model of tinnitus

Martine Hamann, University of Leicester, United Kingdom

Title: Diagnosis and genetic identification of Tomato yellow leaf curl virus (TYLCV) infecting tomato crops in kuwait
Ebtesam Al-Ali, Kuwait Institute for Scientific Research, Kuwait

Title: Association of long noncoding RNA and c-JUN expression in hepatocellular carcinoma patients
Ahmed EM Azazy, Armed Forces College of Medicine, Egypt

Posters

Lunch Break

Title: Binomial analysis of proteogenomic data indicates enhanced ribosome architecture associated with high feed efficiency
Walter Bottje, University of Arkansas, USA

Title: Diversity and evolution of the developmental transcriptome in flowering plants
Christoph Schuster, University of Cambridge, UK

Title: GeneHancer, a comprehensive human genomic enhancer annotation database: Key to interpreting intergenic regions in whole genome sequences
Doron Lancet, Weizmann Institute of Science, Israel

Title: Transcriptomic profiling of personal cell lines as drug response biomarker discovery tool
David Gurwitz, Tel-Aviv University, Israel

Panel Discussion

Award & Closing Ceremony



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10th International Conference on

Genomics and Molecular Biology

May 21-23, 2018 Barcelona, Spain