

Scientific Program

JOINT EVENT

10th International Conference on

GENOMICS AND

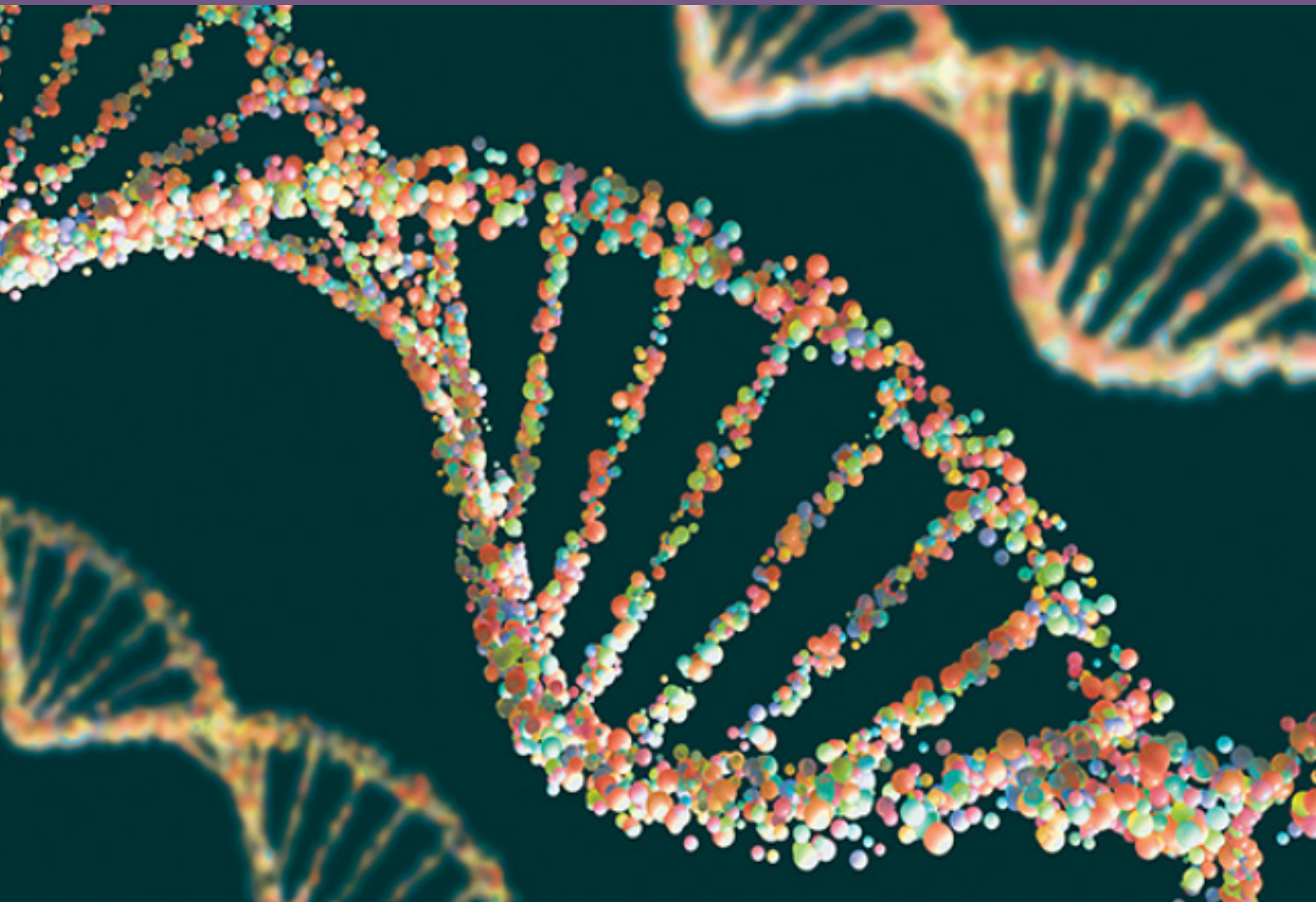
MOLECULAR BIOLOGY

&

6th International Conference on

INTEGRATIVE BIOLOGY

May 21-23, 2018 Barcelona, Spain



Hall Name: Orly

09:00-09:30

Opening Ceremony

Keynote Forum

09:30-09:40 Introduction

09:40-10:20 **Title: Single point mutation of a gene creates mirror-image animals in fresh water gastropod**
Reiko Kuroda, Tokyo University of Science, Japan

10:20-11:00 **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 11:00-11:20

11:20-12:00 **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

12:00-12:30 **Title: Pathways and co-expression network analysis of immune-related genes in short-term calorie restricted mice**
Nehir Ozdemir Ozgenturk, Yildiz Technical University, Turkey

12:30-13:00 **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 13:00-14:00

14:00-14:30 **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

14:30-15:00 **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

15:00-15:30 **Title: Engineering human oral mucosa for clinical application**
Witold Chmielewski, Dentistry of Laval University, Canada

15:30-16:00 **Title: Molar concentration welcomes avogadro in postgenomic analysis**
Alexander Archakov, Institute of Biomedical Chemistry, Russia

Networking and Refreshments Break 16:00-16:30

16:30-17:00 **Title: Targeted single-cell RNA expression profiling for biomarker discovery**
Alex Chenchik, Collecta, Inc., USA

17:00-17:30 **Title: Multiplication of virulent bacteriophage: Interactions with the host**
Arieh Zaritsky, Ben-Gurion University of the Negev, Israel

17:30-18:00 **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

09:00-09:05 Introduction

09:05-09:45 Title: Treatment of landfill leachate via advanced biological treatment technology

Ling Tau Chuan, University of Malaya, Malaysia

09:45-10:25 Title: Biophysical signaling, systems biology and carcinogenesis

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

Networking and Refreshments Break 10:25-10:45

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

10:45-11:15 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

11:15-11:45 Title: Managing your experiments and projects beyond spreadsheets

Louis de Christen, Agilent, Spain

11:45-12:15 Title: Neuromegen: Achieving rapid diagnosis for neurodevelopmental disorders

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

Sessions

12:15-12:45 Title: Wave/particle duality in biomedical research

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

12:45-13:15 Presentation on Advanced Analytical Technologies, Inc.

Houda Hallay, Advanced Analytical Technologies, Inc., Germany

Lunch Break 13:15-14:15

Poster Presentations 14:15-15:15

ICGMB-01 to 09 14:15-14:45

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 17 14:50-15:20

- 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 16:20-16:40

B2B Meetings: 16:40-16:55

Agilent Technologies, Spain, Advanced Analytical Technologies, Inc., Germany, Corning BV Life Sciences, Netherlands, Macrogen Spain

16:55-17:25 Title: **Exploring the design of RNA-Seq analysis pipeline**

Miriam Payá Milans, University of Tennessee, USA

17:25-17:55 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

09:00-09:05 Introduction

Title: **How does nucleoid complexity affect cell dimensions during the division process in bacillary bacteria**

09:05-09:45

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

09:45-10:15 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

10:15-10:45 Title: **Integration of omics data to understand Alzheimer's disease**

Sudeshna Das, Harvard university, USA

10:45-11:15 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 11:15-11:30

11:30-12:00 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

12:00-12:30 Title: **Cytophidia elongation and increased incidence of testicular overgrowth from the overexpression of a singular microRNA within Drosophila melanogaster**

Najat Dzaki, University of Science, Malaysia

12:30-13:00 Title: **miR-199-sponge transgenic mice develop physiological cardiac hypertrophy**

Ning Hou, Beijing Institute of Lifeomics, China

13:00-13:30 Title: **miR-199a impairs autophagy and induces cardiac hypertrophy through mTOR activation**

Zhenhua Li, Beijing Institute of Lifeomics, China

Lunch Break 13.30-14:30

Award Function & Closing Ceremony