

*Scientific Program*

JOINT EVENT

10<sup>th</sup> International Conference on

**GENOMICS AND**

**MOLECULAR BIOLOGY**

&

6<sup>th</sup> 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****Title: Single point mutation of a gene creates mirror-image animals in fresh water gastropod****09:40-10:20****Reiko Kuroda**, Tokyo University of Science, Japan**Title: Evolutionary genomics to improve functional prediction of parasite genes and proteins****10:20-11:00****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 Koblovska**, 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 analysys****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**  
Tau Chuan Ling, 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 **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	<p><b>Title: A PtdRG1, desiccation response gene from Pyropia tenera (Rhodophyta) exhibits chaperone function and enhance abiotic stress tolerance</b></p> <p><b>Dong-Woog Choi</b>, Chonnam National University, South Korea</p>
ICGMB-07	<p><b>Title: Admixture analyses of diverse goat genomic information for establishing Korean native goat breeding</b></p> <p><b>Kyung Tai Lee</b>, RDA - National Institute of Animal Science, South Korea</p>
ICGMB-08	<p><b>Title: Onco-Plus: an integrated database and computational protocol for discovery of lead molecules targeting unique DNA</b></p> <p><b>Akhilesh Mishra</b>, Indian Institute of Technology Delhi, India</p>
ICGMB-09	<p><b>Title: Population genomic analysis based on genome-wide SNP genotyping array reveals geographical and potential adaptive divergence in common carp (Cyprinus carpio)</b></p> <p><b>Jian Xu</b>, Chinese Academy of Fishery Sciences, China</p>
ICGMB-10	<p><b>Title: Expression of alpha 1 intensities in haptoglobin 2-1 and its association with clinical course in aneurysmal subarachnoid hemorrhage</b></p> <p><b>Bong Jun Kim</b>, Institute of New Frontier Research - Hallym University College of Medicine, Republic of South Korea</p>
ICGMB-11	<p><b>Title: Exome analyses in subfamily trios from large family tree in the south-eastern Moravia (Czech Republic) population with high incidence of parkinsonism</b></p> <p><b>Radek Vodicka</b>, University Hospital Olomouc, Czech Republic</p>
ICGMB-12	<p><b>Title: NGS analysis of miRNA expression patterns concerning therapeutic protein production and protein glycosylation in recombinant CHO DG44 cells</b></p> <p><b>Ann-Cathrin Leroux</b>, University of Ulm, Germany</p>
ICGMB-13	<p><b>Title: SEQprocess: A pipeline tool for processing of next generation sequencing data with modularized customization</b></p> <p><b>Taewoon Joo</b>, Ajou University School of Medicine, Republic of Korea</p>
ICGMB-14	<p><b>Title: Danshensu rescues ischemia/reperfusion caused hepatocyte damage</b></p> <p><b>Chun Ya Liang</b>, Chan Bing Show Chwan Memorial Hospital, Taiwan</p>
ICGMB-15	<p><b>Title: The protective effect of simvastatin against UVB-induced corneal endothelial cell death</b></p> <p><b>Yi-Ru Ho</b>, Chan Bing Show Chwan Memorial Hospital, Taiwan</p>
ICGMB-16	<p><b>Title: SPARC enhance acute corneal repair after chemical injury in a rat dry eye model</b></p> <p><b>Yun ching Cheng</b>, Chan Bing Show Chwan Memorial Hospital, Taiwan</p>
ICGMB-17	<p><b>Title: Big data in noncoding rna and precision medicine</b></p> <p><b>Jianjun Luo</b>, Chinese Academy of Sciences, China</p>

**15:15-15:45 Title: Difficulties of mosaicism interpretation in embryo aneuploidy screening in IVF setting**

**Igors Pupko**, Reproductive Medicine and Genetic Clinic iVF Riga, Latvia

**15:45-16:15 Macrogen Inc, Spain**

**SoonWoo Kwon Kim**, Macrogen Spain

**B2B and Networking and Refreshments Break 16:15-16:45**

**Interactive Sessions by Agilent Technologies, Spain, Advanced Analytical Technologies, Inc., Germany, Corning BV Life Sciences, Netherlands, Macrogen Spain**

**16:45-17:15 Title: Exploring the design of RNA-Seq analysis pipeline**

**Miriam Payá Milans**, University of Tennessee, USA

**17:15-17:45** **Corning BV Life Sciences**  
**Reinaldo Vieira de Sousa**, Corning BV Life Sciences, Netherlands

**Panel Discussion**

**Day 3 May 23, 2018**

**Hall Name: Orly**

**Keynote Forum**

**09:00-09:05** **Introduction**

**09:05-09:45** **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**

**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: Cytoophidia 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**