Tentative Program

10th International Conference on
Genomics and Molecular Biology
May 21-23, 2018 Barcelona, Spain

***For available speaker slots***
genomics@annualconferences.org

Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops
Exhibitors | B2B Meetings
**Program at a Glance**

### Day 1 May 21, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>General Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00-09.00</td>
<td>Inaugural Address</td>
</tr>
<tr>
<td>09.00-09.15</td>
<td>Least of 3 Keynote/Plenary Talks</td>
</tr>
<tr>
<td>09.15-09.45</td>
<td>Keynote/Plenary Talk 1</td>
</tr>
<tr>
<td>09.45-10.15</td>
<td>Keynote/Plenary Talk 2</td>
</tr>
<tr>
<td>10.15-10.45</td>
<td>Keynote/Plenary Talk 3</td>
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</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
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</thead>
<tbody>
<tr>
<td>11.00-12.40</td>
<td>5 Speakers (20 Mins Each)</td>
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</tr>
<tr>
<td>13.30-15.30</td>
<td>6 Speakers (20 Mins Each)</td>
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<tr>
<td>15.45-17.25</td>
<td>5 Speakers (20 Mins Each)</td>
<td></td>
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</tbody>
</table>

- **Coffee/Tea Break 10.45-11.00 (Networking)**
- **Lunch Break 12.40-13.30**
- **Coffee/Tea Break 15.30-15.45 (Networking)**

### Day 2 May 22, 2018

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09.00-10.40</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td>10.55-12.35</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td>13.25-15.05</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td>15.20-17.00</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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</tbody>
</table>

- **Coffee/Tea Break 10.40-10.55 (Networking)**
- **Lunch Break 12.35-13.25**
- **Coffee/Tea Break 15.05-15.20 (Networking)**

### Day 3 May 23, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
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<tbody>
<tr>
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<tr>
<td>10.55-12.35</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
</tr>
<tr>
<td>13.25-15.05</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
</tr>
</tbody>
</table>

- **Coffee/Tea Break 10.40-10.55 (Networking)**
- **Lunch Break 12.35-13.25**

### Awards & Closing Ceremony

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

For more Details: PS: [http://genomics.conferenceseries.com/](http://genomics.conferenceseries.com/)  
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Conference Highlights

• Cancer genomics
• Molecular Biology
• Plant Genomics
• Structural Biology
• Stem Cell Biology
• Human Genomics
• Bioinformatics in Genomics
• Cell Biology
• Next Generation Sequencing
• Comparative Genomics
• Functional Genomics
• Pharmacogenomics and Clinical Genomics
• Gene Editing and CRISPR Based Technologies
• Genome Medicine
• Biomarkers
• Microbial Genomics
• Proteomics
• Genome Engineering
• Future Trends in Genomics
• Genomics Market

For detailed sessions, please visit: http://genomics.conferenceseries.com/
Submit your abstract online at: http://genomics.conferenceseries.com/abstract-submission.php
Register online: http://genomics.conferenceseries.com/registration.php
Glimpses of Genomics 2017
BEST TOURIST ATTRACTIONS IN BARCELONA, SPAIN

Aquarium Barcelona
Casa Milà

Park Güell
Arc de Triomf

Palau de la Música Catalana
Tibidabo Amusement Park
Sagrada Família
9th International Conference on
Genomics & Pharmacogenomics
June 15-16, 2017   London, UK

Scientific Program

942nd Conference
Day 1 June 15, 2017

Registrations

Waterfront 2

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 severe 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 cholerae reveal 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

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

Bookmark your dates

10th International Conference on
Genomics and Molecular Biology
May 21-23, 2018 Barcelona, Spain
Day 1    September 12, 2016

Registrations

Sylt 1

Opening Ceremony

Sessions:
Genome Medicine | Future trends in Genomics | Biomarkers & Molecular Markers | Bioinformatics in Genomics | Plant Genomics | Pharmacogenomics & Personalized Medicine | Cancer Genomics

Session Chair: Gerald J Wyckoff, University of Missouri-Kansas City, USA
Session Co-Chair: Yuri E Dubrova, University of Leicester, UK

Keynote Forum

Introduction
Title: Key success factors implementing precision medicine
Andreas Scherer, Golden Helix Inc., USA
Title: Virtualized drug development for (truly) personalized drug therapy
Hans Lehrach, Max Planck Institute for Molecular Genetics, Germany

Lunch Break @ Restaurant
Title: Genotoxicity and cytotoxicity evaluation of the neolignan analogue 2-(4-Nitrophenoxy)-1-phenylethanone and its Protective effect against DNA damage
Alex Lucas Hanusch, Universidade Federal de Goiás, Brazil
Title: Multiallelic copy number variations of MSH2-AT3G18530-AT3G18535 genes in Arabidopsis thaliana: In-depth analysis of genotypes, mechanisms leading to their formation and the functional implications
Agnieszka Zmienko, Poznan University of Technology, Poland
Title: Patient derived micro tumor systems: Future trends towards improved testing systems, realizing the potential of HTS/HCS towards precision medicine
Giridharan Periyasamy, Genome Institute of Singapore, Singapore

Panel Discussion

Day 2    September 13, 2016

Sylt 1

Keynote Forum

Title: Chromatin structure and chromosomal rearrangements in CD34+ cells and lymphocytes from Myelodysplastic syndromes (MDS) patients
Martin Falk, Czech Academy of Sciences, Czech Republic
Sessions:
- microRNA
- Clinical Genomics
- mRNA Analysis
- Next Generation Sequencing
- Comparative Genomics
- Genome Engineering
- Functional Genomics
- Microbial Genomics

Session Chair: Janos Zempleni, University of Nebraska-Lincoln, USA
Session Co-Chair: Martin Falk, Czech Academy of Sciences, Czech Republic

Session Introduction

Title: Delivery of functional RNA cargos by dietary exosomes from cow’s milk in C57BL/6J mice
Janos Zempleni, University of Nebraska-Lincoln, USA

Title: Polymorphisms that regulate the response to Etanercept in psoriatic patients
Maria C Ovejero-Benito, Instituto de Investigación Sanitaria la Princesa, Spain

Title: Molecular characterizing of TYLCV in cucumber plants in Kuwait
Ebtesam Al-Ali, Kuwait Institute for Scientific Research, Kuwait

Networking & Refreshment Break @ Foyer

Title: Study of expression and functional mechanisms of histamine N-MethylTransferase (HNMT) in tumorigenesis and correlation with progression in lung cancer
Chi-Tai Yeh, Taipei Medical University-Shuang Ho Hospital, Taiwan

Title: Identification of new microRNA biomarkers in drug-insensitive cancer stem cells in human leukemia
Xiaoyan Jiang, University of British Columbia, Canada

Title: Dynamics of PBMC gene expression during Peginterferon/Ribavirin combination therapy in hepatitis C virus genotype 1b-infected patients
Chia-Yen Dai, Kaohsiung Medical University, Taiwan

Lunch Break @ Restaurant

Poster Presentations

GPC 01 Title: Development of a comprehensive high-coverage, cost effective HLA typing assay
Qu Zhengzhong James, Genome Institute of Singapore, Singapore

GPC 02 Title: High throughput identification of novel conotoxins from cone snails by multi-transcriptomic sequencing
Qiong Shi, Shenzhen University, China

GPC 03 Title: Genetic polymorphisms of pharmacogenomic VIP variants in seven national minorities from different regions of China
Tianbo Jin, Xizang Minzu University, China

GPC 04 Title: Genes involved in neurodevelopment, neuroplasticity and bipolar disorder: CACNA1C, CHRNA1 and MAPK1
Chi-Un Pae, Catholic University of Korea, South Africa

GPC 05 Title: PDCD1 single nucleotide genes polymorphisms confer susceptibility to juvenile-onset systemic lupus erythematosus
Mohammad Roushanghalb, Tehran University of Medical Sciences, Iran

GPC 06 Title: Recent progression in hemophilia gene therapy
Reyhane Sadat Saeedi, Tehran University of Medical Sciences, Iran

GPC 07 Title: Autosomal recessive non syndromic hearing loss (ARNSH): Different mutations spectrum in Iran
Saeed Tarverdizadeh, Tehran University of Medical Sciences, Iran

Young Researcher Forum

Title: Identification of disease causing mutations in hyperglycinemic captive bred vervet monkeys (Chlorocebus aethiops)
Zandisiwe Emilia Magwebu, Medical Research Council, South Africa

Title: Mutation detection of RB1 tumor suppressor gene (exon 18 & 19) and expression assay of FGF2 oncogene in patients with brain tumors including meningioma and astrocytoma
Ali Hosseini Bereshneh, Tehran University of Medical Sciences, Iran

Title: The role of chromosomal abnormalities in spontaneous abortion and chromosome analysis importance
Reyhane Sadat Saeedi, Tehran University of Medical Sciences, Iran

Title: Pharmacogenetics in breast cancer therapy: Patient's genetics profile in trastuzumab and tamoxifen prescription
Saeed Tarverdizadeh, Tehran University of Medical Sciences, Iran

Networking & Refreshment Break 15:50-16:05 @ Foyer
Day 3  September 14, 2016

Title: Investigation of blood cell mitochondrial genome mutations in symptomless atherosclerosis among women
Margarita A Sazonova, Russian Cardiology Research and Production Complex, Russian Federation

Title: BP1: A potential oncogene overexpressed in cancer
Patricia E Berg, George Washington University Medical Center, USA

Title: Mitochondrial DNA variation in atherosclerosis
Igor A Sobenin, Russian Cardiology Research and Production Complex, Russia

Title: Evidence of association of interleukin-23 receptor gene polymorphisms with Egyptian rheumatoid arthritis patients
Gehan Hamdy, Cairo University, Egypt

Networking & Refreshment Break @ Foyer

Title: Genomics and chromatin analysis methods for profiling protein, RNA and DNA interactions in chromatin
John M Rosenfeld, EMD-Millipore, USA

Title: Discovery of novel molecular targets in SIV infected non-human primates serve as models for human HIV drug targeting
Maarten Rudolph Leerkes, Medical Science & Computing Inc., USA

Title: Rapid and reliable genotyping of HLA-B*58:01 in four Chinese populations using a single-tube duplex real-time PCR assay
Huijuan Wang, Northwest University, China

Title: Translational evidence and the accuracy of prokaryotic gene annotation
Luciano Brocchieri, University of Florida, USA

B2B and Networking Session

Bookmark your dates

9th International Conference on
Genomics & Pharmacogenomics
July 10-12, 2017    Chicago, USA

e-mail: genomics@conferenceseries.net; genomics@conferenceseries.com
Website: genomics.conferenceseries.com
Opening Ceremony

Keynote Forum

Introduction

Utilizing cancer sequencing in the clinic: Best practices in variant analysis, filtering and annotation
Andreas Scherer, Golden Helix, USA

Coffee Break 10:40-10:55 @ Texas Foyer

The role of genomics in gene therapy and diagnostic testing and related intellectual property issues
Krishna Dronam Raju, Foundation for Genetic Research, USA

Epigenesis, methylation and single strand breaks
Rosemarie Wahl, St Mary’s University, USA

Session Introduction

Title: Clinical significance of serum interleukin-23 and A/G gene (rs17375018) polymorphism in Behçets disease: Relation to neuro-Behçet, uveitis and disease activity
Tamer A Gheita, Cairo University, Egypt

Title: Investigation of proliferation and cytotoxicity capacity of cytokine-induced killer cells: Omics strategy
Wenju Wang, Yan’an Hospital of Kunming City, China

Group Photo & Lunch Break

Title: Simplified and improved RNA workflow tools to study RNA
Gopal B Krishnan, Promega Corporation, USA

Title: Practical approaches for increased specificity and sensitivity of clinical next generation sequencing testing
Peter Lajos Nagy, Columbia University, USA

Title: Familial hypercholesterolemia in the Middle East: What have we learned recently?
Zuhier Awan, King Abdulaziz University, Saudi Arabia

Title: Over-expression of cofilin-1 suppressed growth and invasion of cancer cells is associated with up-regulation of let-7 microRNA
Cheng-Han Tsai, National Yang-Ming University, Taiwan

Coffee Break

Track 1: Biomarkers & Molecular Markers

Session Chair: Patricia E Berg, George Washington University Medical Center, USA
Session Co-Chair: Igor A Sobenin, Russian Cardiology Research and Production Complex, Russia

Session Introduction

Title: Investigation of blood cell mitochondrial genome mutations in symptomless atherosclerosis among women
Margarita A Sazonova, Russian Cardiology Research and Production Complex, Russian Federation
Title: BP1: A potential oncogene overexpressed in cancer
Patricia E Berg, George Washington University Medical Center, USA

Title: Mitochondrial DNA variation in atherosclerosis
Igor A Sobenin, Russian Cardiology Research and Production Complex, Russia

Title: CFC1 gene mutation in tetralogy of fallot and dextro-transposition of great arteries in Pakistani population
Afshleen Arif, University of Karachi, Pakistan

Title: Procalcitonin (PCT) as a biomarker of disease severity in malaria and its associated CALC 1 -624 T/C promoter gene polymorphism
Paul K Marx, Osmania University, India

Title: Evidence of association of interleukin-23 receptor gene polymorphisms with Egyptian rheumatoid arthritis patients
Gehan Hamdy, Cairo University, Egypt

Panel Discussion

Day 2  September 22, 2015

Texas B

Keynote Forum

The application of validation and proficiency testing concepts from current clinical genetic diagnostics for the implementation of new genetic technologies
Kathleen S Wilson, UT south Western Medical Center, USA

Biomimetic membranes
Mariusz Grzelakowski, Applied Biomimetic Inc., USA

Coffee Break

Track 2: Functional Genomics
Track 5: Pharmacogenomics & Personalized Medicine

Session Chair: Luciano Brocchieri, University of Florida, USA
Session Co-Chair: John M Rosenfeld, EMD-Millipore, USA

Session Introduction

Title: Genomics and chromatin analysis methods for profiling protein, RNA and DNA interactions in chromatin
John M Rosenfeld, EMD-Millipore, USA

Title: Discovery of novel molecular targets in SIV infected non-human primates serve as models for human HIV drug targeting
Maarten Rudolph Leerkes, Medical Science & Computing Inc., USA

Title: Rapid and reliable genotyping of HLA-B*58:01 in four Chinese populations using a single-tube duplex real-time PCR assay
Huijuan Wang, Northwest University, China

Title: Translational evidence and the accuracy of prokaryotic gene annotation
Luciano Brocchieri, University of Florida, USA

Lunch Break

Title: PGMD: A comprehensive pharmacogenomic database for personalized medicine and drug discovery
Alexander Kaplun, QIAGEN Bioinformatics, USA

Title: Possible mutagenicity in Ha-Ras gene by TiO2 nanoparticles in mice
Haidan Mostafa Salem, Cairo University, Egypt

Title: The uniform-score gene set analysis of genetic pathways associated with diabetes traits
Hao Mei, University of Mississippi Medical Center, USA

Title: Enhancing natural killer cytotoxicity by miR-486-5p in hepatocellular carcinoma
Rana Ahmed Youness, German University, Egypt

Common and rare variant analysis of fibrate drug response in type-2 diabetics in the ACCORD clinical trial
Daniel Rotroff, North Carolina State University, USA

Coffee Break
| GEN-001 | Title: Whole genome sequencing of *Aeromonas caviae* strain 429865 and preliminary comparative analysis of the *A. caviae* genome  
Juan Carlos A Padilla, Instituto Politécnico Nacional, Mexico |
| GEN-002 | Title: Effect of valproate, sodium benzoate and dextromethorphan in hyperglycinemic captive bred Vervet monkeys (*Chlorocebus aethiops*)  
Zandisiwe Emilia Magwebu, Medical Research Council, South Africa |
| GEN-003 | Title: Screening of KRAS gene mutations in breast cancer  
Ch Sushma, Osmania University, India |
| GEN-004 | Title: Haplotype study in Ox-LDL receptor (CD36) gene and its role as molecular marker in T2DM  
Sunaina Gautam, King George Medical University, India |
| GEN-005 | Title: rs9263726 is a sensitive and specific marker for allopurinol-induced severe cutaneous adverse reactions in Chinese patients  
Zhiyao Chen, Soochow University, China |
| GEN-006 | Title: DNA repair gene polymorphisms and toxicities in cancer patients on platinum based chemotherapy  
Srinivasa Rao Katiboina, Jawaharlal Institute of Postgraduate Medical Education & Research, India |
| GEN-007 | Title: The human autocrine growth hormone (GH) dependent activation of NF-κB p65 (RelA) in Epithelial Mesenchymal Transition (EMT) of mammary carcinogenesis  
Srinivas Baskari, Osmania University, India |
| GEN-008 | Title: Comparative analysis of evolutionary pattern and adaptive mechanism of hemagglutinin and neuraminidase genes of H5N1 influenza virus in different geographical regions  
Md. Mahitur Rahaman, Mawlana Bhashani Science and Technology University, Bangladesh |
| GEN-009 | Title: Effect of CYP2B6 c.516G>T and c.983T>C single nucleotide polymorphisms on plasma nevirapine levels in Zimbabwean HIV/AIDS patients  
Doreen Duri, University of Zimbabwe College of Health Sciences, Africa |

**Poster Awards**
<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Institution</th>
<th>Country</th>
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<tbody>
<tr>
<td>Using high-throughput sequencing of the thanatomicrobiome of criminal cases</td>
<td>Gulnaz T Javan, Alabama State University, USA</td>
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<td>Evaluation of antitumor potential of magnetite nanoparticles on Ehrlich solid carcinoma bearing mice</td>
<td>Heba Bassiony, Cairo University, Egypt</td>
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<td>Co-regulation of pluripotency and enhanced genetic integrity at the genomic level</td>
<td>Daniel J Cooper, University of Texas at San Antonio, USA</td>
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<td>Comparison of computational models in prediction of adverse drug reactions</td>
<td>Jumoke Soyemi, The Federal Polytechnic, Nigeria</td>
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<td>Cytogenetic investigations in bone marrow cancers and cancer predisposing chromosomal instability syndromes</td>
<td>Binay Kumar Raut, Kathmandu University of Medical Sciences, Nepal</td>
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### Lunch Break

### Closing Ceremony