

PROGRAM AT A GLANCE

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| DAY 1 | 14th MARCH 2011 | | |
| 10.00 am – 11.00 am | Opening Ceremony | | |
| 11.00 am - 12.00 nn | Opening Keynote Lecture | | |
| 12.00 nn – 12.45 pm | Featured Talk | | |
| <i>12.45 pm – 2.30 pm</i> | <i>Lunch Break</i> | <i>Press Conference</i> | |
| 2.30 pm – 6.00 pm | Featured Talks | | |
| <i>6.05 pm – 7.00 pm</i> | <i>Special message from HUGO President & Welcome Cocktail Reception</i> | | |
| DAY 2 | 15th MARCH 2011 | | |
| 9.00 am – 12.30 pm Symposia | RNA and Epigenetic | Genomic Medicine | Genetics of Heritable Disorders |
| <i>12.30 pm – 1.30 pm</i> | <i>Lunch Break</i> | | |
| 1.45 pm – 4.45 pm Working Summits | Converging Technologies In Genomics: Opportunities for a Global Economy | Global and Regional Initiatives: Pan Asian Personal Genomics Initiative | Global Ethical and Legal Challenges in Genomics and Genetics |
| 4.45 pm – 6.15pm | Featured Talks | | |
| DAY 3 | 16th MARCH 2011 | | |
| 9.00 am – 12.30 pm Symposia | From Genome Variation to Personalised Medicine | Inborn Errors of Metabolism and Therapy of Genetic Disorders | Cancer Genomics |
| <i>12.30 pm – 1.30 pm</i> | <i>Lunch Break</i> | | |
| 1.45 pm – 4.15 pm Expert Sessions | Mechanism of Genome Sequencing: Setup and Operations of a Facility | Computational Analysis of Genomic Information | The Human Variome Project and the Arab Countries |
| 4.45 pm – 6.15pm | Featured Talks | | |
| <i>7.00 pm – 11.00pm</i> | <i>Conference Dinner</i> | | |
| DAY 4 | 17th MARCH 2011 | | |
| 9.00 am – 12.30 pm Symposia | Computational Biology and Statistical Genetics for the Analysis of Human Disease | Genetics of Deafness & Neurologic Disorders | Advances in Genetics of Heritable Disorders |
| <i>12.30 pm – 1.30 pm</i> | <i>Lunch Break</i> | | |
| 1.45 pm – 4.00 pm | Special Forum: Genome Sequencing Landmark Technologies | RIKEN Session: Expanded Universe of Single Cell Biology | |
| 4.15 pm – 5.45pm | Featured Talks | | |
| 5.45pm – 6.00pm | Closing Remarks | | |

| 14 March 2011 | Program | |
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| 10.00 am – 11.00 am | Opening Ceremony & Exhibition Inauguration <i>Venue: Maktoum B & C</i> | |
| 11.00 am - 12.00 nn | Opening Keynote Lecture Sydney Brenner Reading the Human Genome <i>Venue: Maktoum B & C</i> | Chair: Edison T Liu |
| 12.00 am – 12.45 pm | Featured Talk Jun Wang Personal Genomes are Personalised <i>Venue: Maktoum B & C</i> | Chair: Edison T Liu |
| <i>12.45 pm – 2.30 pm</i> | <i>Lunch Break</i> | <i>Venue: Exhibition Hall</i> <i>Press Conference</i> |
| 2.30 pm – 3.15 pm | Featured Talk Veronica van Heyningen From Disease Genes to Biology via Technology <i>Venue: Maktoum B & C</i> | Chair: Edison T Liu |
| 3.15 pm – 4.00 pm | Featured Talk Stephen W Scherer Clinical Context of Copy Number and Structural Variation in the Human Genome <i>Venue: Maktoum B & C</i> | Chair: Edison T Liu |
| <i>4.00 pm – 4.30 pm</i> | <i>Tea Break Sponsored by Pacific Biosciences</i> | |
| 4.30 pm – 5.15 pm | Featured Talk Ghazi O Tadmouri Genetic Disorders in Arabs from Clinical Genetics to Human Genome Variability <i>Venue: Maktoum B & C</i> | Chair: Edison T Liu |
| 5.15 pm – 6.00 pm | Featured Talk Mark McCarthy Type 2 Diabetes Genetics: A Global Perspective <i>Venue: Maktoum B & C</i> | Chair: Edison T Liu |
| 6.00 pm – 6.05 pm | Special message from HUGO President, Edison T Liu | <i>Venue: Maktoum B & C</i> |
| <i>6.05 pm – 7.00 pm</i> | <i>Welcome Cocktail Reception</i> | |
| 7.00 pm – 10.00 pm | HUGO Council Meeting (By invitation only) | |
| 7.00 pm onwards | <i>Free and Easy</i> | |

| 15 March 2011 | Program | | |
|--------------------------------|--|---|--|
| 9.00 am – 12.30 pm Symposia | RNA and Epigenetics Chair: John S Mattick & Sumio Sugano <i>Venue: Rashid A</i> | Genomic Medicine Chair: Geoffrey S Ginsburg <i>Venue: Maktoum A</i> | Genetics of Heritable Disorders Chair: Hanan Hamamy <i>Venue: Maktoum B & C</i> |
| 9.00 am – 9.35 am | John S Mattick RNA Regulation of Human Development, Cognition and Disease | Geoffrey S Ginsburg Genomic and Personalized Medicine: Foundations and Applications | Jianjun Liu GWAS in Chinese Population: Opportunities and Challenges |
| 9.35 am – 10.10 am | Yoshihide Hayashizaki An Expanding RNA World | Edison T Liu Genomic Medicine in Cancer Care | Hanan Hamamy Consanguinity and Novel Technology: Cracking the Code of Autosomal Recessive Disorders |
| 10.10 am – 10.40 am | <i>Tea Break Sponsored by Malaysian Genomics Resource Centre Berhad (MGRC) Venue: Exhibition Hall</i> | | |
| 10.40 am - 11.15 am | Yijun Ruan 3D Chromatin Architecture and Transcription Regulation | Ingrid Winship Can Genetic Information Reduce the Burden of Disease? | A Nurten Akarsu Molecular Analysis of the Rarest of the Rare: Autosomal Recessive ALX-Related Frontonasal Dysplasias |
| 11.15 am – 11.50 am | Bing Ren Decoding the Mammalian Genome | Tim Sprosen New Models for Large Scale Biobanks | Samia A Tentamy Rare Autosomal Recessive Disorders in Egyptians |
| 11.50 am – 12.10 pm | Ashraf Dallol RASSF1A Methylation is Predictive of Poor Prognosis in Female Breast Cancer Patients in the Background of Overall Low Methylation Frequency | Elza Khusnutdinova Genome-Wide Association Study of Asthma in the Volga-Ural Region of Russia | Al-Abri Abdul Rahim The Origin of Human Lactase Persistence in the Arabian Peninsula |
| 12.10 pm – 12.30 pm | Sukru Tuzmen High-Throughput RNAi Based Functional Pharmacogenomics for Drug Target Identification in Cancer Genetics and Applications of Quantitative Real-Time PCR | Swati Subodh Genomic Signatures: Leading the Way for Personalized Patient Management | Sergio Pena Estimating the Extent of Genomic Identity by Descent in Consanguineous Couples |
| 12.30 pm – 1.30 pm | Lunch Break & Exhibition <i>Venue: Exhibition Hall</i> | Poster Session 1 <i>Venue: Exhibition Hall</i> | Affymetrix Lunch Seminar <i>Venue: Maktoum A</i> |
| 1.30 pm – 1.45 pm | <i>Change of Room</i> | | |

| 15 March 2011 | Program | | |
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| 1.45 pm – 4.45 pm Working Summits | Converging Technologies In Genomics: Opportunities for a Global Economy (Organised jointly by HUGO and OECD) Chair: Gerardo Jimenez-Sanchez <i>Venue: Maktoum A</i> | Global and Regional Initiatives: Pan Asian Personal Genomics Initiative Chair: Edison T Liu, Henry Huanming Yang, Jong Bhak, Timothy Ravasi & Maude E Phipps <i>Venue: Maktoum B & C</i> | Global Ethical and Legal Challenges in Genomics and Genetics Chair: Ruth Chadwick & Aida I Al Aqeel <i>Venue: Rashid A</i> |
| 1.45 pm – 2.15 pm | Gerardo Jimenez-Sanchez Opportunities for Genomics in the Knowledge Economy | Charles N Rotimi Global and Regional Initiatives: The Human Heredity and Health in Africa (H3Africa) Genomic Initiative (1.45 pm – 2.15 pm) | Ruth Chadwick Imagined Futures: Capturing the Benefits of Genome Sequencing for Society |
| 2.15 pm – 2.45 pm | Iain M M Gillespie Genomics, Realising the Bioeconomy | Jong Bhak PASNP2 Proposal: Pan Asian Personal Genome Project (PAPGP) (2.15 pm – 2.30 pm) | Ellen Wright Clayton Dealing with the Tsunami of Genomic Data in the Clinic (2.15 pm – 3.00 pm) |
| 2.45 pm – 3.15 pm | Edison T Liu Genomics Engineering and Integrated Cancer Research | Maude E Phipps Copy Number Variation in Indigenous Malaysians : A Preliminary Analysis (2.30 pm – 2.45 pm) | Aida I Al Aqeel Personalised Translational Medicine in the Developing World, and Knowledge-Based Economy (3.00 pm – 3.30 pm) |
| 3.15 pm – 3.45 pm | Pierre Meulien Genomics and Environmental Sustainability | Henry Huanming Yang Genomics: The Door to Personalised Medicine (2.45 pm – 3.00 pm) | Mohsen A F El-Hazmi The Ethical Aspects of Biomedical Research - The Saudi Law of Research on Living Beings (3.30 pm – 3.50 pm) |
| 3.45 pm – 4.15 pm | Samir Brahmachari Integration of Genomics & the Bioeconomy in the Developing World | Discussions (3.00 pm – 3.45 pm) | <i>Teabreak</i> (3.50 pm – 4.05 pm) <i>Venue: Exhibition Hall</i> |
| 4.15 pm – 4.45 pm | Neil Jones Managing Business Complexity and Change in the Genomic Age | Global and Regional Initiatives: Centre for Arab Genomic Studies Chair: Mahmoud Taleb Al Ali & Ghazi O Tadmouri (3.45 pm – 4.45 pm) | Discussions (4.05 pm – 4.45 pm) |

| 15 March 2011 | Program | | |
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| | | Fowzan Alkuraya Autozygome Decoded (3.45 pm – 4.05 pm) | |
| | | Suzanne Al-Bustan Long runs of Homozygosity in the Kuwaiti Population (4.05 pm – 4.25 pm) | |
| | | Annika FM Haywood Initial Assessment of Human Genetic Diversity in the Saudi Arabian Population (4.25 pm - 4.45 pm) | |
| 4.45 pm – 5.30 pm | Featured Talk Christopher A Walsh Rare Causes of Rare Diseases, and Common Diseases, Affecting Human Cognition <i>Venue: Maktoum B & C</i> | | Chair: Stylianos E Antonarakis |
| 5.30 pm – 6.15 pm | Featured Talk Evan E Eichler Genome Structural Variation, Exome Sequencing and Neurocognitive Disease <i>Venue: Maktoum B & C</i> | | Chair: Stylianos E Antonarakis |
| 6.15 pm onwards | Free and Easy | | |

| 16 March 2011 | Program | | |
|--------------------------------|--|---|---|
| 9.00 am – 12.30 pm Symposia | From Genome Variation to Personalised Medicine Chair: Todd Taylor & Howard L McLeod <i>Venue: Rashid A</i> | Inborn Errors of Metabolism and Therapy of Genetic Disorders Chair: Habiba Chaabouni-Bouhamed & Dhavendra Kumar <i>Venue: Maktoum B & C</i> | Cancer Genomics Chair: Yijun Ruan & Fahd Al-Mulla <i>Venue: Maktoum A</i> |
| 9.00 am – 9.35 am | Martin L Hibberd Human - Pathogen Interactions and Their Outcomes, A Tale of Two or More Genomes and Their Variations | Y T Chen Translating the Promise of Genomic Medicine into Clinical Reality: Challenges of Pompe Disease | Mary-Claire King Genetic Heterogeneity in Human Disease |
| 9.35 am – 10.10 am | Howard L McLeod Learning How to Apply the Genome to Guide Therapy | Gert-Jan B van Ommen Translational Genomics, Integrating Rare and Common Disease | Axel Hillmer Long Span Paired-End-Tag Mapping Reveals Characteristic Patterns of Structural Variations in Cancer Genomes |
| 10.10 am – 10.40 am | <i>Teabreak</i> <i>Venue: Exhibition Hall</i> | | Lotfi Chouchane Breast Cancer in Arab Populations: From Cancer-Oriented Genomic and Proteomic Approaches Towards Preventive and Predictive Medicine (10.10 am – 10.45 am) |
| 10.40 am – 11.15 am | Y T Chen Pharmacogenomics of Adverse Drug Reactions: Toward Personalised Medicine | Arthur L Beaudet Mutations and Possible Epimutations Causing Schizophrenia and Autism | Douglas Easton Recent Developments in the Genetics of Breast and Other Cancers (10.45 am – 11.20 am) |
| 11.50 am - 12.10 pm | Vajira H.W. Dissanayake The Sri Lankan Personal Genome Project (SLPGP) | Said Shawar The Arabic Allele: A Novel 10BP Deletion in the Low Density Lipoprotein Receptor (LDLR) Creates a Premature Stop Codon and Severely Decreases the Expression Levels in Two Unrelated Arab Families with Familial Hypercholesterolemia | Alessandro Stella Analysis of Telomere Dynamics in Peripheral Blood Cells from Lynch Syndrome Patients (11.55 am – 12.15 pm) |
| 12.10 pm – 12.30 pm | Sridhar Sivasubbu Comprehensive Computational Pipeline for Systematic Analysis and Annotation of Functional Variants in Personal Genomes | Giriraj Chandak Maternal I-Carbon Metabolism in Pregnancy and Offspring Birth Weight: Epidemiological Associations and Mendelian Randomization in Two Indian Birth Cohorts | Prakash Hande Mechanism Based Combination Telomerase Inhibition: Implications for Cancer Therapy (12.15 pm – 12.35 pm) |

| 16 March 2011 | Program | | | | |
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| 12.30 pm – 1.30 pm | Lunch Break & Exhibition <i>Venue: Exhibition Hall</i> | Poster Session 2 | Agilent Technologies <i>Lunch Seminar</i> <i>Venue: Maktoum A</i> | Illumina <i>Lunch Seminar</i> <i>Venue: Rashid A</i> | President's Luncheon <i>(By Invitation only)</i> |
| 1.30 pm – 1.45 pm | <i>Change of Room</i> | | | | |
| 1.45 pm – 4.15 pm Expert Sessions | Mechanism of Genome Sequencing: Setup and Operations of a Facility <i>Sponsored by Genome Institute of Singapore</i> Chair: Yijun Ruan & Xiaoan Ruan <i>Venue: Maktoum A</i> | Computational Analysis of Genomic Information <i>Sponsored by Genome Institute of Singapore</i> Chair: Anthony J Brookes <i>Venue: Rashid A</i> | The Human Variome Project and the Arab Countries Chair: Richard G H Cotton <i>Venue: Maktoum B & C</i> | | |
| 1.45 pm – 2.15 pm | Yijun Ruan | Guillaume Bourque Changing Landscape of Computational Biology | Richard G H Cotton The Human Variome Project: Supporting the Sharing of Genetic Variation Data | | |
| 2.15 pm – 2.45 pm | Herve Thoreau | Niranjan Nagarajan Reconstructing Personal and Disease Genomes | Fahd Al-Mulla Long Runs of Homozygosity in the Arabian and Arabized Populations | | |
| 2.45 pm – 3.15 pm | Xiaoan Ruan | Pauline C Ng Characterising Individual Genomes | Lihadh Al-Gazali | | |
| 3.15 pm – 3.45 pm | Atif Shahab | Anthony J Brookes Towards 'Ideal Healthcare': Optimised and Personalised Future Medicine | Ghazi O Tadmouri | | |
| 3.45pm – 4.15 pm | Axel Hillmer | Discussions | Discussions | | |
| 4.15 pm – 4.45 pm | <i>Teabreak</i> <i>Venue: Exhibition Hall</i> | | | | |
| 4.45 pm – 5.30 pm | Featured Talk Charles Lee Capturing Copy Number Variants (CNVs) from Whole-Genome Next Generation DNA Sequencing: Perspectives from the 1000 Genomes Project <i>Venue: Maktoum B & C</i> | | | | Chair: Todd Taylor |
| 5.30 pm – 6.15 pm | Special Lecture <i>Venue: Maktoum B & C</i> | | | | Chair: Todd Taylor |
| 6.15 pm – 6.45 pm | <i>Transfer to Hotels</i> | | | | |
| 7.00 pm – 7.30 pm | <i>Transfer to Conference Dinner</i> | | | | |
| 7.30 pm – 11.00 pm | <i>Conference Dinner</i> <i>(Advance Purchased Tickets required)</i> | | | | |

| 17 March 2011 | Program | | | |
|--------------------------------|---|---|--|---|
| 9.00 am – 12.30 pm Symposia | Computational Biology and Statistical Genetics for the Analysis of Human Disease Chair: Anthony J Brookes & Elspeth Bruford <i>Venue: Rashid A</i> | Genetics of Deafness & Neurologic Disorders Chair: Moien Kanaan <i>Venue: Maktoum A</i> | Advances in Genetics of Heritable Disorders Chair: Lihadh Al-Gazali & Timothy Ravasi <i>Venue: Maktoum B & C</i> | |
| 9.00 am – 9.35 am | Goncalo Abecasis Sequencing Thousands of Human Genomes | Moien Kanaan Next Generation Sequencing Approaches to Identify Novel Genes Critical For Hearing | Lihadh Al-Gazali Molecular Characterization of Birth Defects: United Arab Emirates Experience | |
| 9.35 am – 10.10 am | Guillaume Bourque The Role of Genomic Repeats in Gene Regulation, Diversity and Disease | Doron Lancet The Genetic and Molecular Basis of Mendelian Diseases in the Israeli Communities Studied by Novel Genomic Strategies | Andre Megarbane Linkage Analysis and Cloning of the Gene Responsible of the Leukodystrophy and Oligodontia Syndrome | |
| 10.10 am – 10.40 am | <i>Teabreak</i> <i>Venue: Exhibition Hall</i> | | | |
| 10.40 am – 11.15 am | Felix Li Jin | Faycal Hentati Phenotypic and Genetic Aspects of Parkinson Disease in Tunisia | Nasir Al-Allawi Molecular Characterization of Inherited Hematological Disorders in Iraqis: Trying to Bridge the Gap | |
| 11.15 am – 11.50 am | Hiroaki Kitano Systems Biology and Drug Discovery | Nadezhda Maksimova Neuroblastoma Amplified Sequence Gene is Associated with a Novel Short Stature Syndrome Characterised by Optic Nerve Atrophy and PelgereHuet Anomaly (11.15 am – 11.35 am) | Bassam R Ali ER-Associated Protein Degradation (ERAD) is a Common Cellular Mechanism for Many Genetic Disorders | |
| 11.50 am – 12.10 pm | Stephen Sherry NCBI Resources for Medical Genomics Integrate Mutations, Rare Variants and Common Polymorphisms for Research and Clinical Practice | Fowzan Alkuraya In Search of Oligogenicity in Bardet-Biedl Syndrome (11.35 am – 11.55 am) | Anna Rajab Understanding Genetics of Congenital Generalised Lipodystrophy in the Sultanate of Oman | |
| 12.10 pm – 12.30 pm | Joseph Terwilliger GWAS in Large Families from Inbred Populations is Vastly more Powerful Than Case-Control Analysis Under Arbitrary Etiological Models | Lin He Understanding Schizophrenia by GWAS and Next Generation Sequencing (11.55 am – 12.15 pm) | Khalid Fakhro Rare Copy Number Variants in Patients with Congenital Heart Disease Identify Novel Genes in Vertebrate Left-Right Patterning | |
| | | Osama Alsmadi Familial Disorders in Middle Eastern Families: Finding the Causing Genes is Just the Beginning of the End (12.15 pm – 12.35 pm) | | |
| 12.30 pm – 1.30 pm | Lunch Break & Exhibition <i>Venue: Exhibition Hall</i> | Poster Session 3 | Bio-Rad Lunch Seminar <i>Venue: Maktoum A</i> | HUGO Committee Meeting <i>(By Invitation Only)</i> |
| 1.30 pm – 1.45 pm | <i>Change of room</i> | | | |

| 17 March 2011 | Program | |
|-------------------|--|--|
| 1.45 pm – 4.00 pm | Special Forum: Genome Sequencing Landmark Technologies Chair: Yijun Ruan & Herve Thoreau <i>Venue: Maktoum A</i> | RIKEN Session: Expanded Universe of Single Cell Biology Chair: Mitsuoki Mick Kawano <i>Venue: Rashid A</i> |
| 1.45 pm – 2.15 pm | Mostafa Ronaghi Current and Future Outlook of Genomic Technologies | Yoshihide Hayashizaki Opening Remarks (1.45 pm – 1.50 pm) |
| 2.15 pm – 2.30 pm | Han Cao Rapid Long Range Genomic Analysis at Single Molecule Level Using Disposable Nanochannel Arrays | Kai Q Lao Development and Applications of Single Cell RNA-Seq Analysis (1.50 pm – 2.30 pm) |
| 2.30 pm – 3.00 pm | Radoje Drmanac Large-Scale Human Genome Sequencing for Genomic Medicine | Piero Carninci Lessons From Miniaturization of CAGE Technology to Study Individual Neuron Types (2.30 pm – 3.10 pm) |
| 3.00 pm – 3.15 pm | Mike Lelivelt Semiconductor Sequencing for Life | Milos Pekny Molecular Signature of Astrocytes by Single Cell Gene Expression Profiling (3.10 pm – 3.50 pm) |
| 3.15 pm – 4.00 pm | Discussions | Mitsuoki Mick Kawano Closing Remarks (3.50 pm – 3.55 pm) |
| 4.00 pm – 4.15 pm | Teabreak | <i>Venue: Exhibition Hall</i> |
| 4.15 pm – 5.00 pm | Featured Talk Nicholas Katsanis Merging Medical Resequencing with Functional Data to Understand Disease Architecture <i>Venue: Maktoum B & C</i> | Chair: Felix Li Jin |
| 5.00 pm – 5.45 pm | Closing Keynote Lecture George Church Technologies for Collecting and Integrating Genome, Environment and Trait Data <i>Venue: Maktoum B & C</i> | Chair: Felix Li Jin |
| 5.45 pm – 6.00 pm | Closing Ceremony <ul style="list-style-type: none"> - HGM 2012 (Sydney, Australia) - Poster Awards Presentation - Nomenclature Awards Presentation | |
| 6.00 pm | <i>End of HGM 2011 and see you at HGM 2012</i> | |