

FULL PROGRAMME

18 May 2010

Time	Programme	
9.00 AM - 12.00 PM	HUGO-OECD Discussion (By invitation only)	HGM 2010 Registration
12.00 PM - 1.00 PM	<i>Lunch Break</i>	
1.00 PM - 2.00 PM	Press Conference	
2.00 PM - 2.05 PM	Opening Address by Edison T Liu (HUGO)	
2.05 PM - 2.10 PM	Welcome Address by Mireille Claustres (INSERM)	
2.10 PM - 2.15 PM	Address by Dominique Daegelen (INSERM)	
2.15 PM - 4.15 PM	Synthetic and Systems Genomics Chaired by Edison T Liu Venue: Salle Pasteur	
	Drew Endy Work towards an 8-bit engineered genetic combinatorial counter	
	Christina D Smolke Programming cellular behavior with RNA controllers	
	Yusuke Nakamura (Chen Award Lecture) DNA variations in human and medical genetics: My 25-year experience	
4.15 PM - 4.35 PM	<i>Tea Break</i>	
4.35 PM - 6.35 PM	Epigenetics in Development and Human Disease Chaired by Veronica van Heyningen Venue: Salle Pasteur	
	Robert Feil Epigenetic mechanisms in genomic imprinting	
	Anne C Ferguson-Smith Genomic imprinting and the epigenetic control of mammalian development and human disease	
	Stephen Baylin Evolution and implications of the cancer epigenome	
6.35 PM - 8.05 PM	Welcome Cocktail Reception together with Poster Session Inauguration and Exhibition Inauguration	

FULL PROGRAMME

19 May 2010

Time	Programme	Time	Programme		
8.30 AM - 10.55 AM	Biobanking Chaired by Anthony Brookes / Richard Cotton Venue: Salle Pasteur	8.30 AM - 10.55 AM	Microbial Genomics and Metagenomics Chaired by Todd Taylor / Martin Hibberd Venue: Salle Einstein		
	Bartha Maria Knoppers The Public Population Project in Genomics : An "Ethical" Proof of Concept		Martin Hibberd Dengue virus genomics, a window into evolution, virulence and transmission patterns		
	David B Goldstein Rare and common variants in human disease		Peer Bork Comparative (meta) genomics: Lessons from a tiny bacterium and a complex microbial community		
09.40 AM - 09.55 AM	<i>Tea Break</i>	9.30 AM - 9.45 AM	<i>Tea Break</i>		
	David Cox Advancing biobanking through public-private collaboration		Stanislav Dusko Ehrlich Characterization of the human "other" genome by the MetaHIT Consortium		
	Jennifer Harris Biobank harmonization for health		Edward Rubin Assembly of genes and genomes from bio-mass degrading cow rumen		
10.55 AM - 11.00 AM	<i>Room Change</i>				
11.00 AM - 11.40 AM	Charles N Rotimi (Featured Talk) Genetic diversity and health: Opportunities and challenges presented by African genomes Venue: Salle Pasteur				
11.40 AM - 1.10 PM	<i>Lunch & Exhibition</i>	Life Technologies Venue: Sully 1	Affymetrix Venue: Sully 2	HUGO Council Meeting (by invitation only) Venue: Louisville	Poster Session 1 Venue: Berlioz Foyer
1.10 PM - 3.10 PM	Computational Biology, Computational Genomics Chaired by Doron Lancet / John de Vos Venue: Salle Pasteur	Genetic and Genomic Databases Chaired by Yoshiyuki Sakaki / Marie-Paule LeFranc Venue: Salle Einstein	Genomics , Ethics, Law & Society Chaired by Ruth Chadwick / Benjamin Capps Venue: Sully 1	Genome Variation in Disease 1 Chaired by Christian Jorgensen / Elspeth Bruford Venue: Sully 2	Genome Variation in Evolution Chaired by Martin Hibberd / Agnes Rotig Venue: Sully 3
3.10 PM - 3.15 PM	<i>Room Change</i>				
3.15 PM - 4.35 PM	An Expanding RNA World Chaired by Julian Venables / Sumio Sugano Venue: Salle Pasteur				
	Gil Ast Importance of alternative splicing in transcriptomic diversity and disease				
	Yoshihide Hayashizaki Transcriptome analysis — A way to illuminate the genome network				
4.35 PM - 4.50 PM	<i>Tea Break</i>				
4.50 PM - 6.10 PM	Gene Expression and Human Variation Chaired by Edison T Liu / Doron Lancet Venue: Salle Pasteur				
	Michael Snyder Transcription binding variation in eucaryotes				
	Howard McLeod Using the genome to guide therapy				
6.10 PM	End of Day				
6.30 PM - 8.00 PM	Free and Easy	HUGO Ethics Committee Meeting (by invitation only)		PASNP Phase II Planning Meeting (by invitation only)	

FULL PROGRAMME

20 May 2010

Time	Programme	Time	Programme		
8.30 AM - 10.45 AM	Human Genome Variation in Evolution and Disease Chaired by Stylianos E Antonarakis / Richard Cotton Venue: Salle Pasteur				
	Mark McCarthy Type 2 diabetes: Susceptibility variants across the allele frequency spectrum				
	Stephen W Scherer Clinical context of copy number and structural variation in the human genome				
9.50 AM - 10.05 AM	<i>Tea Break</i>				
	Felix Jin Li Identification of copy number variation hotspots in human populations				
10.45 AM - 11.25 AM	Ng Huck Hui (Chen Award Lecture) Deciphering and reconstructing the embryonic stem cell transcriptional regulatory network Venue: Salle Pasteur				
11.25 AM - 12.55 PM	<i>Lunch & Exhibition</i>	Roche Venue: Sully 1	Agilent Technologies Venue: Sully 2	President's Luncheon (by invitation only)	Poster Session 2 Venue: Berlioz Foyer
	Larry Kedes - Archon Genomics XPRIZE (Featured Talk) Swifter, Lower, Stronger: the \$10 Million Olympic Medal for Next Generation Sequencing Venue: Salle Pasteur				
12.55 PM - 2.55 PM	Cancer Genomics I Chaired by Philippe Broet / Bernard Klein Venue: Salle Pasteur	Evolutionary Genomics Chaired by Harris A Lewin / Christian Hamel Venue: Salle Einstein	Genetics of Health and Disorder Chaired by Stephen W Scherer / Veronica Van Heyningen Venue: Sully 1	Genomic Medicine and Pharmacogenomics Chaired by Lance Miller / Marc Delpech Venue: Sully 2	Genetics and Genomics in Developing Countries Chaired by Dhavendra Kumar / Michele Ramsay Venue: Sully 3
	2.55 PM - 3.00 PM <i>Room Change</i>				
3.00 PM - 5.15 PM	Quantitative Genomics (GWAS, QTL, Expression cassettes) Chaired by Martin Vingron / Yoshihide Hayashizaki Venue: Salle Pasteur		3.00 PM - 5.15 PM	Next Generation Sequencing - 1000 Genome Project and Beyond Chaired by Ruan Yijun Venue: Salle Einstein	
	Emmanouil Dermitzakis Cellular genetics and genomics			Henry Yang Huanming Human Genomics - From HGP to 1000 genomes and beyond	
	Frank Johannes Complex trait dynamics following epigenomic perturbation			Ruan Yijun Chromatin Interaction and Transcription Regulation	
	Augustine Kong Some thoughts on genetics studies in the near future			Gilean McVean The landscape of human genetic variation as viewed from the 1000 Genomes Project	
4.30 PM - 4.45 PM	<i>Tea Break</i>		4.55 PM - 5.10 PM	<i>Tea Break</i>	
	Martin Vingron Transcription factor binding site analysis and histone modifications point at two classes of promoters				
5.15 PM - 5.20 PM	<i>Room Change</i>				
5.20 PM - 6.00 PM	Manel Esteller (Featured Talk) Cancer Epigenetics: From DNA methylation to microRNAs Venue: Salle Pasteur				
6.00 PM	End of Day				
6.30 PM - 7.00 PM	Transfer to Dinner Venue				
7.00 PM - 9.00PM	Conference Dinner				

FULL PROGRAMME

21 May 2010

Time	Programme	Time	Programme
8.30 AM - 10.25 AM	Pathways Networks and System Biology Chaired by Gerardo Jimenez-Sanchez / Laurent Journot Venue: Salle Pasteur	8.30 AM - 10.25 AM	Nutrigenetics and Nutrigenomics Chaired by Jean-Louis Gueant / Samir K Brahmachari Venue: Salle Einstein
	Hiroki R Ueda Systems Biology of Mammalian Circadian Clocks		Susan E Ozanne Mechanisms linking poor early nutrition and later risk of type 2 diabetes
	Eran Segal Transcriptional Lego: Predictable control of gene expression by manipulating promoter building blocks		Harris A Lewin Nutrition: Will livestock Lead the way?
9.30 AM - 9.45 AM	<i>Tea Break</i>		
	Luis Serrano Systems biology analysis of the EGF MAPK pathway: From structures to data integration		Jean-Christophe Glaszmann Genomics for food improvement
10.25 AM - 10.30 AM	Room Change		
10.30 AM - 12.00 NN	Cancer Genomics II Chaired by Wei Chia-Lin / Albertina de Sario Venue: Salle Pasteur	Genome Variation in Disease II Chaired by Y T Chen / Valere Cacheux-Rataboul Venue: Salle Einstein	Epigenetics and microRNA-mediated gene regulation Chaired by Lim Bing / Jean-Marie Blanchard Venue: Sully 1
		Structural Variations and Chromosomal Aberrations Chaired by Lawrence Stanton / Richard Redon Venue: Sully 2	Functional Genomics Chaired by Samir K Brahmachari / Alain Bucheton Venue: Sully 3
12.00 NN - 1.30 PM	<i>Lunch</i>	llumina Venue: Sully 1	Poster Session 3 Venue: Berlioz Foyer
1.30 PM - 5.15 PM	HUGO Forum - Sequencing Futures: Sequencing Technologies Now and the Future - Chaired by Herve Thoreau / Wei Chia-Lin Venue: Salle Pasteur		
	Radoje Drmanac The path to affordable human genome sequencing for large-scale studies of genetic diseases		
	Nathaniel Pearson Deciphering the oracle's words: Analysis tools for human whole genomes and exomes		
	Marcus Droege Re-sequencing of the human genome using the 454 Genome Sequencer systems FLX & Junior		
	Patrice M Milos An unbiased, quantitative view of genome biology only possible with Helicos Single Molecule Sequencing		
	Francisco M De La Vega The road to 99.999% accuracy single molecule sequencing		
	Stephen Turner Applications of SMRT™ sequencing outside the performance envelope of first and second generation sequencing		
	Mostafa Ronaghi Current and future outlook of genomic technologies		
	<i>*Tea Break (3.30 PM – 4.00 PM)</i>		
5.15 PM - 5.30 PM	Closing Ceremony (Springer Poster Awards, HGNC Nomenclature Awards and Announcement of future HGM)		