

Oral Programme

Rooms:	Hall Auditorium	Garbi	Restaurant Marquee	Can Laury Restaurant
Sunday 16 March 2014				
12:00-13:45	Registration			
12:00	Mount posters			
Opening & Session 1 - Human Genetics Session Chair: Anna Di Rienzo				
13:45-14:00	Welcome and introduction			
14:00-15:00	[KEY01] The evolution of the cloud – the role of exchange and specialization in explaining the emergence of behaviourally modern humans Matt Ridley, <i>UK</i>			
15:00-15:30	[INV01] African Evolutionary Genomics: Implications for human origins and adaptation Sarah Tishkoff*, D. Abate, G. Belay, M. Campbell, C. Elbers, B. Ferwerda, A. Froment, J. Hirbo, J. Jarvis, W-Y Ko, J. Lachance, T. Nyambo, S. Omar, L. Scheinfeldt, S. Soi, A. Ranciaro, S. Thompson, <i>University of Pennsylvania, USA</i>			
15:30-16:00	[INV02] Human population structure across diverse spatial scales John Novembre, <i>University of Chicago, USA</i>			
16:00-16:30	Coffee break			
Session 1 - Human Genetics Continued Session Chair: Anna Di Rienzo				
16:30-17:00	[INV03] Genetic and epigenetic landscape of African rainforest hunter-gatherers and farmers, Lluis Quintana-Murci ¹ , M. Fagny ¹ , K. Siddle ¹ , J-M. Hombert ² , G. Perry ³ , P. Verdu ⁴ , L. Barreiro ⁵ , M. Kobor ⁶ , E. Heyer ⁴ , E. Patin ¹ , ¹ CNRS URA3012, France, ² CNRS, France, ³ Pennsylvania State University, USA, ⁴ MNHN-CNRS, France, ⁵ University of Montréal, Canada, ⁶ University of British Columbia, Canada			
17:00-17:15	[ST01] A genome-wide map of positive selection in humans and apes M. Pybus, G.M. Dall'Olio, P. Luisi, M. Uzkudun, A. Carreño-Torres, P. Pavlidis, H. Laayouni, J. Engelken, J. Bertranpetit*, <i>Universitat Pompeu Fabra, Spain</i>			
17:15-17:30	[ST02] Population history of South America: Ancient DNA study of extinct people from Tierra-del-Fuego Z. Faltyskova ¹ , H. Schroeder ² , F. Sanchez-Quinto ³ , C. Lalueza ³ , T. Kivisild ¹ , M. Mormina ⁴ , ¹ University of Cambridge, UK, ² Leiden University, The Netherlands, ³ Pompeu Fabra University, Spain, ⁴ University of East Anglia, UK			
17:30-18:00	Meet the Editors Q&A Session Paul Craze, Florian Maderspacher, <i>Cell Press, USA</i>			
18:00-19:30	Welcome drinks reception – including 5 poster teasers			
Monday 17 March 2014				
Session 2 – Paleoanthropology Session Chair: Mark Pagel				
08:45-09:15	[INV04] The evolution and dispersal of homo sapiens Chris Stringer, <i>Natural History Museum, UK</i>			
09:15-09:45	[INV05] Pleistocene human dispersals across Eurasia Ofer Bar-Yosef, <i>Harvard University, USA</i>			
09:45-10:00	[ST03] The "evolution" of diet: From Neanderthals to anatomical modern humans D.C. Salazar-García*, R.C. Power, A.G. Henry, <i>Max-Planck Institute for Evolutionary Anthropology, Germany</i>			
10:00-10:30	Coffee break			
Session 2 - Paleoanthropology Continued Session Chair: Mark Pagel				
10:30-11:00	[INV06] Human paleontology in the genomics era Tim Weaver, <i>University of California, USA</i>			
11:00-11:30	[INV07] Can the location of the African cradle for modern humans be determined? Jean-Jacques Hublin, <i>Max-Planck-Institute for Evolutionary Anthropology, Germany</i>			
11:30-11:45	[ST04] Paleoenvironmental variability and population dynamics at the gateway to Eurasia: Implications for the origin of modern humans J.C. Larrasoña ^{1,2} , A.P. Roberts ³ , E.J. Rohling ³ , ¹ Unidad de Zaragoza, Spain, ² ICTJA-CSIC, Spain, ³ The Australian National University, Australia			
11:45-13:00	Lunch			
13:00-14:30	Poster session 1			
Session 3 – Archaeogenetics				

Session Chair: Sarah Tishkoff	
14:30-15:00	[INV08] A molecular perspective on Pleistocene Hominin history Svante Pääbo*, M. Meyer, U. Stenzel, S. Sawyer, S. Nagel, P. Korlevic, M. Haidinjak, V. Slon, I. Glocke, T. Gerber, M. Gansauge, Q. Fu, J. Dabney, S. Castellano, K. Pruefer, J. Kelso, <i>Max-Planck-Institute for Evolutionary Anthropology, Germany</i>
15:00-15:30	[INV09] Paleogenomics and the Mesolithic-Neolithic transition in Europe Carles Lalueza-Fox, <i>Institut de Biologia Evolutiva, Spain</i>
15:30-15:45	[ST05] Paleo-epigenetics: Reconstructing the DNA methylation maps of archaic hominins D. Gokhman* ¹ , K. Prufer ² , E. Lavi ¹ , J. Kelso ² , S. Paabo ² , E. Meshorer ¹ , L. Carmel ¹ , ¹ <i>The Hebrew University of Jerusalem, Israel</i> , ² <i>MaxPlanck Institute for Evolutionary Anthropology, Germany</i>
15:45-16:15	Coffee break
Session 3 - Archaeogenetics Continued	
Session Chair: Sarah Tishkoff	
16:15-16:45	[INV10] What we can learn from ancient human genetics and genomics Eske Willerslev, <i>Copenhagen University, Denmark</i>
16:45-17:15	[INV11] The genomic footprints of Neolithic Europeans Mathias Jakobsson, <i>Uppsala University, Sweden</i>
17:15-17:30	[ST06] Assessing the maximum contribution from ancient populations P. Sjödin*, P. Skoglund, M. Jakobsson, <i>Uppsala University, Sweden</i>
Panel Discussion	
17:30-18:30	Panel Discussion: Evolution in the media
19:30-22:30	Meet the speakers dinner – ticket holders only
Tuesday 18 March 2014	
Session 4 – Adaptation	
Session Chair: Carles Lalueza Fox	
09:00-09:30	[INV12] Genetic adaptations to new environments in humans Anna Di Rienzo, <i>University of Chicago, USA</i>
09:30-10:00	[INV13] Mouse models for human brain evolution Wolfgang Enard, <i>Ludwig-Maximilians University Munich, Germany</i>
10:00-10:15	[ST07] Major alterations of SIGLEC genes during the origin of modern humans A. Varki, <i>University of California San Diego, USA</i>
10:15-10:45	Coffee break
Session 4 - Adaptation Continued	
Session Chair: Carles Lalueza Fox	
10:45-11:15	[INV14] Evolution of human-specific morphological traits Cliff Tabin* ¹ , N. Rohner ¹ , M. Zody ² , Y. Kamberov ¹ , ¹ <i>Harvard Medical School, USA</i> , ² <i>The Broad Institute, USA</i>
11:15-11:45	[INV15] Natural selection in a Bangladeshi population from the cholera-endemic Ganges River Delta Elinor K. Karlsson, <i>Harvard University FAS Center for Systems Biology, USA</i>
11:45-12:00	[ST08] What changes matter? A genomic approach to human evolution N. Rohner* ¹ , M.C. Zody ² , D. Reich ¹ , S.A. McCarrroll ¹ , D.E. Lieberman ³ , C.J. Tabin ¹ , ¹ <i>Harvard Medical School, USA</i> , ² <i>Broad Institute, USA</i> , ³ <i>Harvard University, USA</i>
12:00-12:15	[ST09] Evidence for hard selective sweeps targeting the X chromosome in human ancestry K. Nam ¹ , T. Mailund ¹ , K. Munch ¹ , A. Hobolth ¹ , J.Y. Dutheil ² , T. Great Apes Genome Diversity Project ³ , M.H. Schierup* ¹ , ¹ <i>Aarhus University, Denmark</i> , ² <i>Université Montpellier, France</i> , ³ <i>Universitat Pompeu Fabra, Spain</i>
12:15-13:30	Lunch
13:30-15:00	Poster session 2 – please remove your posters after this session
Session 5 - Cultural Evolution	
Session Chair: Jean-Jacques Hublin	
15:00-15:30	[INV16] The evolution of culture Kevin Laland, <i>University of St. Andrews, UK</i>
15:30-16:00	[INV17] The many and the few: How did a tribal species come to live in large cities Mark Pagel, <i>Reading University, UK</i>
16:00-16:30	[INV18] Language evolution: Using genetic data to test the hypotheses Tecumseh Fitch, <i>University of Vienna, Austria</i>
16:30-16:45	Closing remarks