

<b>PROGRAMME: 40<sup>th</sup> Population Genetics Group Meeting</b>			
<b>Wednesday January 10th</b>			
<b>Time</b>	<b>A</b>	<b>B</b>	<b>C</b>
09.00-09.10	Welcome and introduction (Theatre A)		
09.10-10.00	PLENARY <b>Mohamed Noor</b> Speciation despite gene flow? How can it be?		
10.00-10.20	<b>Jochen Wolf</b> Genetic and ecological divergence in a highly vagile marine mammal - the Galapagos sea lion	<b>Deborah Charlesworth</b> Evolution of sex-linked genes in the plant <i>Silene latifolia</i>	<b>Joao Sollari Lopes</b> Approximate Bayesian computation - upcoming tool
10.20-10.40	<b>Stuart Piertney</b> Melanocortin-1 receptor (Mc1r) gene variation in UK populations of water vole ( <i>Arvicola terrestris</i> )	<b>Dmitry Filatov</b> A selective sweep on <i>Silene latifolia</i> X chromosome	<b>Sarah Helyar</b> Comparative performance of paternity allocation software in incomplete pedigrees
10.40-11.10	COFFEE		
11.10-11.30	<b>Gabriela Pinto-Juma</b> Molecular and acoustic signal evolution in Southern European species of genus <i>Cicada</i> L. (Insecta: Cicadoidea)	<b>Violaine Laurens</b> Evolution of dominance among self-incompatibility alleles: models and application to <i>Arabidopsis halleri</i>	<b>John Pinney</b> Inferring ancestral states of a protein interaction network
11.30-11.50	<b>Andrea Harper</b> Porous species boundary between <i>Silene latifolia</i> and <i>S. dioica</i>	<b>Barbara Mable</b> Genetic consequences of inbreeding in <i>Arabidopsis lyrata</i>	<b>Csaba Pal</b> Evolution of metabolic networks
11.50-12.10	<b>Wolfgang Miller</b> Isolation and characterization of <i>Wolbachia</i> as the causative agent for semispeciation in the <i>D. paulistorum</i> superspecies group	<b>Kristina Edh</b> Testing population genetic predictions of self-incompatibility in the wild plant species <i>Brassica cretica</i>	<b>Balazs Papp</b> Plasticity of genetic interactions in metabolic networks of yeast
12.10-12.30	<b>Martin Taylor</b> Polyploidy and speciation in Corydoriadine catfishes	<b>Isabelle De Cauwer</b> Spatial genetic structure and male mating success in the gynodioecious species <i>Beta vulgaris</i> ssp. <i>maritima</i> : does restoration of male fertility matter?	<b>Ino Agrafioti</b> SNPSTRs: a new tool in population genetics
12.30-14.00	<b>LUNCH (Barnes Wallis Building)</b>		

Wednesday January 10th			
Time	A	B	C
14.00-14.20	<b>Mattias Jakobsson</b> Worldwide Haplotype Variation in the Human Genome	<b>Brian Charlesworth</b> Evidence for intermediate-frequency alleles causing genetic variation in female fecundity in <i>Drosophila melanogaster</i>	<b>Karl Schmid</b> A novel, balanced transspecific protein domain polymorphism in the genus <i>Arabidopsis</i>
14.20-14.40	<b>Lori Lawson Handley</b> Towards a geographically explicit framework for human population genetics	<b>Kristan Schneider</b> Long-term evolution of polygenic traits under frequency-dependent intraspecific competition	<b>Matthew Oliver</b> Balancing selection, bottlenecks and drift: MHC variation in an island population of water voles ( <i>Arvicola terrestris</i> )
14.40-15.00	<b>Syrgey Rychkov</b> Geographic diversity of genetic markers in Northern Eurasia	<b>Pelle Ingvarsson</b> The genetic basis of natural variation in bud phenology in European aspen ( <i>Populus tremula</i> )	<b>Christopher Wheat</b> Extensive amino acid polymorphism, linkage disequilibrium, and balancing selection at a candidate gene (Pgi) influencing ecological dynamics
15.00-15.20	<b>Morozova Irina</b> The population genetics and ethnic history of Russians	<b>Catherine Jones</b> Barley genome mediates community level interactions	<b>Angus Davison</b> Asymmetry and anti-symmetry in spirilians
15.20-15.50	<b>TEA</b>		
15.50-16.10	<b>Chris Spencer</b> Coverage and power in genome-wide association studies	<b>Daniel Jameson</b> New genes, old data: What can a meta analysis of stress response experiments in <i>Arabidopsis</i> reveal?	<b>Marcel Dorken</b> Density-dependent regulation of the sex ratio
16.10-16.30	<b>Anna Johansson</b> The effect of pedigree structure on detection of deletions/null alleles using genetic markers	<b>Melissa Gunn</b> Plasticity of growth rate in North American red squirrels	<b>Andy Gardner</b> Spiteful soldiers and sex ratio conflict in polyembryonic parasitoid wasps
16.30-17.30	<b>Michael Gonzales</b> (Senior Manager, Scientific Computing, Apple) Apple and Scientific Computing		
18.00	<b>Poster session and wine reception</b>		

Thursday January 11th			
Time	A	B	C
09.00-09.50	PLENARY <b>Ken Wolfe</b> Genome duplication, gene loss, and the origin of yeast species		
09.50-10.10	<b>Joanna Parmley</b> Splicing and protein evolution in mammals	<b>Luzie Wingen</b> Consequences of different types of dispersal on the population structure - a simulation study of fungal pathogens	<b>John Parsch</b> Widespread adaptive evolution of <i>Drosophila</i> genes with sex-biased expression
10.10-10.30	<b>Julie Huxley-Jones</b> Duplication of extracellular matrix genes: putting the backbone in vertebrates	<b>Lucy Weinert</b> A novel mechanism of genetic exchange between obligate intracellular pathogens: the abundance of a conjugative plasmid in arthropod <i>Rickettsia</i>	<b>Amber Teacher</b> Neutral variation in frogs under selection
10.30-10.50	<b>Anastasia Gardiner</b> Evolution of Olfactory and Gustatory receptor gene families in <i>Drosophila</i> through gene loss, lineage-specific duplication, transposition and positive selection	<b>John Archer</b> Global Diversity of HIV-1	<b>Christoph Haag</b> Genotypic selection in Daphnia populations consisting of inbred sibships
10.50-11.20	<b>COFFEE</b>		
11.20-11.40	<b>Casey Bergman</b> LTR retrotransposons are systematically younger than non-LTR retrotransposons in the <i>Drosophila melanogaster</i> genome	<b>Alex McCarthy</b> The genetics of susceptibility in an emerging Morbillivirus infection	<b>Nora Scarcelli</b> Molecular basis of adaptation in <i>Arabidopsis thaliana</i>
11.40-12.00	<b>Roberta Bergero</b> Intronic Insertional Polymorphisms Reveal the recent activity of miniature transposable elements	<b>Daniel Wilson</b> Evolution and epidemiology of the human food-poisoner <i>Campylobacter jejuni</i> in northern England	<b>Maxim Kapralov</b> The analysis of natural selection during island adaptive radiation in <i>Schiedea</i> ( <i>Caryophyllaceae</i> )
12.00-12.20	<b>Louise Johnson</b> Evolution of a genome defence system	<b>Steve Paterson</b> Experimental evolution of parasite life-history traits in a parasitic nematode	<b>Darren Obbard</b> Evidence for selective sweeps in the antiviral gene Argonaute-2: fruit flies versus mosquitoes
12.30-14.00	<b>LUNCH (Barnes Wallis Building)</b>		

Thursday January 11th			
Time	A	B	C
14.00-14.20	<b>Penelope Haddrill</b> Reduced efficacy of selection in regions of the <i>Drosophila</i> genome that lack crossing over	<b>Beth Shapiro</b> Investigating the causes of the megafaunal mass extinction using ancient DNA	<b>Stefan Van Dongen</b> What do we know about the heritability of developmental instability? Answers from a Bayesian model
14.20-14.40	<b>Sonia Casillas</b> Weak purifying selection maintains highly conserved noncoding sequences in <i>Drosophila</i>	<b>Arnaud Bataille</b> Phylogeography of the mosquito <i>Aedes taeniorhynchus</i> in the Americas: a major endemic vector of wildlife diseases for Galapagos	<b>Rachel Clark</b> The genetic variation underlying fluctuating asymmetry in <i>Drosophila melanogaster</i>
14.40-15.00	<b>Laurence Loewe</b> Background selection in single genes may explain patterns of codon Bias	<b>Samantha O'Loughlin</b> The genetic diversity of NE India is a unique and divergent component of Indo-Burmese biodiversity	<b>Mathieu Joron</b> Conserved but flexible: the genetic architecture of wing patterns in <i>Heliconius</i> butterflies
15.00-15.30	<b>Isheng Tsai</b> Population genomics of <i>Saccharomyces paradoxus</i>	<b>Warren Booth</b> Population genetic differentiation, dispersal and gene flow in the German cockroach, <i>Blattella germanica</i> , in the agricultural environment	<b>Chris Jiggins</b> Positional cloning of patterning genes in <i>Heliconius</i> butterflies
15.30-16.00	TEA		
16.00-16.20	<b>Christian Schloetterer</b> Microsatellite-based neutrality tests	<b>Kermit Ritland</b> Estimating population genetic parameters of SNPs using CJE (celery juice extract) data	<b>Andrew Pomiankowski</b> Why do so few genes show genomic imprinting?
16.20-16.40	<b>Guillaume Achaz</b> Testing for neutrality in samples with sequencing errors	<b>Simon Creer</b> Value-added molecular barcodes in British Tetragnathid spiders	<b>Anna Santure</b> Imprinting and inbreeding: resemblances, responses and relevance
16.40-17.00	<b>Jane Charlesworth</b> Excluding slightly deleterious mutations from McDonald-Kreitman tests	<b>Patricia Lee</b> Extracting DNA from eggs: Egg-citing prospects!	<b>Rob Hammond</b> Does variation in vasopressin receptor 1a ( <i>avpr1a</i> ) microsatellites correlate with mating system in old-world primates?
17.00	<b>Business meeting (Theatre A) followed by Heredity Board Meeting (venue TBA)</b>		
19.00	CONFERENCE DINNER (YANG SING RESTAURANT)		

Friday January 12th			
Time	A	B	C
09.00-09.50	<p>PLENARY <b>Michael Bruford</b></p> <p>The Orlog Model in conservation genetics: evaluating the past, present and future using molecular tools in a critically endangered great ape population</p>		
09.50-10.10	<p><b>Aurelie Coulon</b></p> <p>Conservation units for the Florida scrub-jay: do genetics and dispersal distance data suggest the same partitioning?</p>	<p><b>Kevin Dawson</b></p> <p>Bayesian pedigree reconstruction under partial selfing</p>	<p><b>Anne Deredec</b></p> <p>Using Homing Endonuclease Genes to control populations of infectious diseases vectors: modelling different strategies</p>
10.10-10.30	<p><b>Rob Whitlock</b></p> <p>The significance of protected areas and range-marginal populations for the conservation of species genetic diversity and evolutionary potential</p>	<p><b>Jinliang Wang</b></p> <p>Triadic IBD coefficients and applications to estimating pairwise relatedness</p>	<p><b>Kelly Dyer</b></p> <p>Evolution of X-chromosome drive in <i>Drosophila neotestacea</i></p>
10.30-10.50	<p><b>Alain Frantz</b></p> <p>Genetic structure and assignment tests demonstrate illegal translocation of red deer (<i>Cervus elaphus</i>) into a continuous population</p>	<p><b>Katalin Csillery</b></p> <p>Testing for linkage disequilibrium with multiallelic markers</p>	<p><b>Gerdien de Jong</b></p> <p>Insulin genes in the <i>Drosophila melanogaster</i> subgroup</p>
10.50-11.20	COFFEE		
11.20-11.40	<p><b>Eugenia Zarza-Franco</b></p> <p>Strong divergence between mitochondrial lineages of the Mexican black spiny tailed iguana (<i>Ctenosaura pectinata</i>)</p>	<p><b>Martin Carr</b></p> <p>A Comprehensive Molecular Phylogeny of the <i>Choanoflagellates</i></p>	<p><b>Richard Watson</b></p> <p>Sex, intragenic epistasis, and the accessibility of high-fitness genotypes</p>
11.40-12.00	<p><b>Mireille Johnson Bawe</b></p> <p>Genetic studies of the forgotten elephant</p>	<p><b>Pernilla Vallenback</b></p> <p>Horizontal transfer of a functional nuclear gene</p>	<p><b>Guillaume Martin</b></p> <p>Mutational epistasis for fitness: empirical patterns and insights from fitness landscapes and mutation-selection equilibria?</p>
12.00-12.20		<p><b>John Welch</b></p> <p>Correlates of rate variation in mammalian molecular evolution</p>	<p><b>Stacey Lee Thompson</b></p> <p>Joint-estimation of the equilibrium rates of sexuality and mutation in predominantly clonal populations of Easter daisies</p>
12.30	LUNCH (Barnes Wallis Building)		