

Programme of the 38th Population Genetics Group Meeting – December 14th-17th 2004

Wednesday 15th December

Time	A	B	C
09.00 - 09.10	Introduction		
09.10 - 10.00	<p style="text-align: center;">Steve Oliver Old wines in new bottles: genomic approaches to speciation and fitness.</p>		
10.00 - 10.20	<p style="text-align: center;">Christian Schlötterer Experimental <i>E. coli</i> microcosm indicates a tight link between predictability of ecosystem dynamics and diversities.</p>	<p style="text-align: center;">Jan Engelstädter Can maternally transmitted endosymbionts facilitate the evolution of haplodiploidy?</p>	<p style="text-align: center;">Timothy Sands Dispersal, habitat preference and reproductive isolation in a <i>Bombina</i> mosaic hybrid zone.</p>
10.20 - 10.40	<p style="text-align: center;">Barbara Stranger Dissecting the genetic basis of gene expression variation in the human genome.</p>	<p style="text-align: center;">Sylvain Charlat Investigating the evolutionary impact of male killers: a case study in the South-Pacific butterfly <i>Hypolimnas bolina</i>.</p>	<p style="text-align: center;">Irene Keller Ribosomal DNA and reproductive isolation in the grasshopper <i>Podisma pedestris</i>.</p>
10.40 - 11.10	Coffee		
11.10 - 11.30	<p style="text-align: center;">Marie Sémon No evidence of selection on the clustering of co-expressed genes in the human genome.</p>	<p style="text-align: center;">Dada Gottelli Evolution in a Colder Climate: the dynamic population structure of the Ethiopian Wolf.</p>	<p style="text-align: center;">Juha-Pekka Vähä Efficiency of allele frequency based Bayesian methods for detecting hybridization between populations.</p>
11.30 - 11.50	<p style="text-align: center;">Martin Lercher Neutral evolution of gene expression records the origin of organs.</p>	<p style="text-align: center;">Elie Poulin Population genetic inference of the demographic history of small pelagic fishes in the East Pacific.</p>	<p style="text-align: center;">Andy Gardner Social evolutionary multi-locus methodology.</p>
11.50 - 12.10	<p style="text-align: center;">Seirian Sumner Differential gene expression in behavioural castes of a primitively eusocial wasp.</p>	<p style="text-align: center;">Jesus Gomez-Zurita Phylogenetic evidence on the hybridogenetic origin of asexual <i>Calligrapha</i> (Coleoptera, Chrysomelidae).</p>	<p style="text-align: center;">Jinliang Wang Sibship reconstruction from genetic data with typing errors.</p>
12.10 - 12.30	<p style="text-align: center;">Thomas Giger Differences in global gene expression levels between sedentary and migratory life history forms of brown trout: A cDNA microarray assessment.</p>	<p style="text-align: center;">Pairot Pramual Phylogeography of Black fly (<i>Simulium tani</i>) inferred from mitochondrial DNA sequence.</p>	<p style="text-align: center;">Kevin Dawson Bayesian reconstruction of sibling relationships from multi-locus genotype data.</p>
12.30 - 14.00	Lunch		

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Time	A	B	C
14.00 - 14.20	M. Bakkali Evolution of bacterial DNA Uptake Signal Sequences: A selfish-like model.	Stephen Rossiter Long-term patterns of breeding behaviour in the greater horseshoe bat.	Mattias Jakobsson Population structure in <i>Arabidopsis thaliana</i> .
14.20 - 14.40	John Brookfield DNA Sequence Variation Within and Between Species in a Family of Interspersed Repetitive DNAs.	Daniel Nussey The effects of increased competition on fine-scale population genetic structure in red deer.	Jesper Bechsgaard Mating patterns in an Icelandic population of the self-incompatible <i>Arabidopsis lyrata</i> .
14.40 - 15.00	Paul Higgs A Unified Theory of Codon Reassignment in Alternative Genetic Codes.	Paul Johnson Paternity analysis in the parasitic nematode <i>Trichostrongylus tenuis</i> using microsatellites.	Sophia Ahmed Pollen mediated gene flow in an African fig population.
15.00 - 15.20	Daniel Halligan Functional Constraints in <i>Drosophila</i> Noncoding DNA.	Lucy Webster Population genetics of a parasitic nematode using ND4 DNA sequence data.	Tom Harwood Representing gene flow between fluctuating plant populations.
15.20 - 15.50	Tea		
15.50 - 16.10	Emmanuel Ladoukakis No evidence of sequence directed mutagenesis in eukaryotes.	Brian Charlesworth Estimating levels of ancestral polymorphism.	Stuart Piertney The utility of population genetic data for the management and conservation of capercaillie (<i>Tetrao urogallus</i>) in the UK.
16.10 - 16.30	Jane Charlesworth Methods of Excluding Low-Frequency Polymorphisms in McDonald-Kreitman Tests.	Michael Blum Fertility inheritance unbalances gene genealogies	Sebastien Regnaut Conservation genetics of western capercaillie
18.00	Poster session		

Thursday 16th December

Time	A	B	C
09.00 - 09.50	Sara Via Genomic analyses of speciation in action.		
9.50 - 10.10	Angeles de Cara Evolution of assortative mating.	Deborah Charlesworth Molecular genetics of self-incompatibility genes in <i>Arabidopsis lyrata</i> .	Derek Dunn The benefits of multiple mating to female seaweed flies, <i>Coelopa frigida</i> (Diptera: Coelopidae).
10.10 - 10.30	Julia Ferrari Host plant specialisation in the pea aphid complex.	Jenny Hagenblad Recombination and haplotype structure of a gene in the self-incompatibility region of <i>Arabidopsis lyrata</i>	Nicola Nadeau Sexual selection and pigmentation gene evolution in the galliforms.
10.30 - 10.50	Jitka Polechova Robustness of Gaussian models of frequency and density dependent selection.	Barbara Mable What happens when an obligately outcrossing species becomes self-compatible?	Stuart Wigby Sex peptide causes mating costs in female <i>Drosophila melanogaster</i> .
10.50 - 11.20	Coffee		
11.20 - 11.40	Laurence Cook A disequilibrium pattern in <i>Cepaea nemoralis</i> .	Olivier Francois GenBMAP: A nonparametric approach to spatial genetic structure.	Elizabeth Boakes Detecting purging from pedigreed populations.
11.40 - 12.00	Penelope Haddrill Inferring the selective and demographic history of <i>Drosophila melanogaster</i> populations using multi-locus data.	Mário Pulquério Nested Clade Phylogeographical Analysis: testing its accuracy under different scenarios of population structure and history.	Hywel Lloyd Sex-biased expression impedes purging selection.
12.00 - 12.20	Domino Joyce An extant cichlid fish radiation emerged in an extinct Pleistocene lake.	Samuel Neuenschwander Bayesian estimation of the colonization history of <i>Cottus gobio</i> L. in the Swiss Rhine basin	Cathy Liautard Inbreeding, inbreeding depression and mating frequency in ants.
12.20 - 12.40	Gerdien de Jong Migration, phenotypic plasticity and ecotypes.	Patrick Mardulyn Inferring contemporary levels of gene flow and demographic history in a local population of leaf beetles (<i>Gonioctena olivacea</i>) from mitochondrial DNA sequence variation.	Alia Sarhan Inbreeding in a natural metapopulation: Parental similarity severely impacts offspring fitness in the Glanville fritillary butterfly (<i>Melitaea cinxia</i>)
12.40 - 14.00	Lunch		

Thursday 16th December

Times	A	B	C
14.00 - 14.50	Rasmus Nielsen Detecting positive Darwinian selection from comparative DNA sequence data.		
14.50 - 15.10	Christina Muirhead Balancing selection at multiple linked sites in the MHC.	Steven Ewing Is there evidence of inbreeding depression in the Mauritius Kestrel?	Sara Goodacre Money spiders: Evolutionary relationships within the family and population structure in two species that disperse through 'ballooning'
15.10 - 15.30	Adam Eyre-Walker Estimating the distribution of fitness effects from DNA sequence data.	Raj Whitlock The consequences of genetic impoverishment for plant community structure and diversity.	Jonathan Ellis The specific status of <i>Bombus ruderatus</i> and <i>Bombus hortorum</i> (Hymenoptera: Apidae).
15.30 - 16.00	Tea		
16.00 - 16.20	Jon Slate Balancing selection at the sheep prion protein gene.	Melissa Gunn Can microsatellites be used as surrogates for quantitative genetic variation in conservation?	Katalin Pecsénye Geographical versus Food Plant Differentiation in Alcon Blue Populations (Lepidoptera, Lyacaenidae) in Northern Hungary.
16.20 - 16.40	Kirsty Worley Limited evidence for selection at microsatellite loci linked to immune genes in wild mountain sheep.	William Jordan Phenotypic divergence despite high levels of gene flow in galápagos lava lizards (<i>Microlophus albemarlensis</i>).	Silvia Perez-Espona Population structure and gene flow of red deer in the Scottish mainland.
16.40 - 17.00	Pierrick Labbe Gene duplication in the mosquito <i>Culex pipiens</i> : adaptative response to insecticide pressure.	Dario Beraldi QTL mapping in a free-living population.	Samantha O'Loughlin Inferred population history of <i>Anopheles dirus</i> A and D in Southeast Asia.
17.00 - 17.20	Tammie MacFie Population genetics of HIV resistance/susceptibility genes in chimpanzees.	Xu-Sheng Zhang Evolution of Phenotypic Variation under Stabilizing Selection.	Mark Ponniah Exploring the biogeographic factors responsible for the diversification of freshwater crayfish in eastern Australian uplands.
17.20	Business Meeting		

Friday 17th December

Time	A	B	C
9.00 - 9.20	Daniel Gaffney Mutational Variation in the Rodent Genome.	James Crabbe Zooxanthellae clade populations in corals from Indonesia and Jamaica.	
9.20 - 9.40	Laurence Loewe The mutation rate paradox: Examples in mtDNA.	Simon Creer Optimal alignments, indel treatments and analysis of heterozygotes of intron gene partitions in Asian pitvipers.	
9.40 - 10.00	Fyodor Kondrashov Evolution of Amino Acid composition	Angus Davison Ancient origin of metazoan cellulase genes.	
10.00 - 10.20	Alexander Platt The Human Genome's Reflection of Inherent Mutational Biases.	Martin Carr The evolution of the head development gene <i>defective proventriculus</i> within the hexapoda.	
10.20 - 10.50	Coffee		
10.50 - 11.10	Jean-Vincent Chamary Biases in codon usage associated with splicing in human genes.	Jane Hughes The consequences of mixing two divergent populations of a freshwater shrimp: implications for understanding distributions of closely related species.	
11.10 - 11.30	John Parsch Molecular evolution of Drosophila genes with sex-biased expression.	Rory Post Is genetic introgression important in the <i>Simulium damnosum</i> complex?	
11.30 - 11.50	Dmitry Filatov Mapping evolutionary history of Silene sex chromosomes.	Lori Handley Is demography or selection to blame for low levels of Y chromosome polymorphism in a monogamous mammal (<i>Crocodyrus russula</i>)?	
11.50 - 12.10	John Turner Neutral Theory - a unifying principle in ecology and evolution?	Christoph Haag A Glucose-phosphate-isomerase polymorphism related to variation in mobility and fecundity in a butterfly metapopulation	
12.10	Lunch		