

Poster number	Primary Author	All Authors	Poster Title
1	Alansari	Aliya Alansari, Aisha Al-Khayat, Andrew Spalton, Khamis Al-Dafry, Shoaib AL-Zadiali	<b>The molecular genetics of the Arabian leopard: Preliminary study.</b>
2	Alsop	Alsop A1, Wakefield M2, Wei K-J1, Deakin J1, Koina E1, Zenger KR3, Wang C3, Cooper DW4 and Graves J1	<b>An Integrated cytogenetic map of the tammar wallaby</b>
3	Baldo	Laura Baldo <sup>1,2</sup> , Nathan Lo <sup>3</sup> and John H. Werren <sup>2</sup>	<b>The Mosaic Nature of the Wolbachia Surface Protein</b>
4	Beiko	Robert G. Beiko, Timothy J. Harlow and Mark A. Ragan	<b>Genome Partners at the Prokaryotic Dance</b>
5	Bilgmann	Kerstin Bilgmann <sup>3</sup> , Luciana M. Möller <sup>3</sup> , Robert G. Harcourt <sup>1</sup> , Catherine M. Kemper <sup>1</sup> , Susan E. Gibbs <sup>1</sup> and Luciano B. Beheregaray <sup>1</sup>	<b>Comparative population genetic structure of bottlenose and common dolphins in South Australian waters</b>
6	Blair	David Blair, Kim Sewell, Lester Cannon, Keith Crandall, Tim Littlewood and Susan Lawler	<b>Mitochondrial DNA Diversity in the Invasive Tropical Marine Mussel, <i>Perna viridis</i> and Differentiation from other <i>Perna</i> Species.</b>
7	Brown*	<b>GSA</b> Sarah C. Brown and N. Louise Glass	<b>Microarray analysis of vegetative incompatibility in <i>Neurospora crassa</i></b>
8	Cai	James Jing Cai, David K Smith, Xuhua Xia and Kwok-Yung Yuen	<b>MBEToolbox : A Matlab Toolbox for Sequence Data Analysis in Molecular Biology and Evolution</b>
9	Caramelli	David Caramelli <sup>1</sup> , Albano Beja Pereira <sup>2,3</sup> , Martina Lari <sup>1</sup> , Cristiano Vernesi <sup>4</sup> , Guido Barbujani <sup>4</sup> , Carles Lalueza Fox <sup>5</sup> , Gordon Luikart <sup>2</sup> , Giorgio Bertorelle <sup>4</sup> .	<b>Italian aurochsen in the Palaeolithic had cattle-like mtDNA</b>
10	Carlsson	Britt-Louise Carlsson <sup>1</sup> , Alan N Wilton <sup>1</sup> and David Jenkins <sup>2</sup>	<b>The Imminent Extinction of the Australian Dingo</b>
11	Chen	Zhenzhong Chen, Ayscha Hill-Williams, John A. McKenzie, Philip Batterham	<b>Overexpression of cytochrome P450 genes and insecticide resistance in the sheep blowfly, <i>Lucilia cuprina</i></b>
12	Chen	Min Chen <sup>1</sup> , Roger Hiller <sup>2</sup> , and Anthony Larkum <sup>1</sup>	<b>Evolution of chlorophyll antenna complexes in oxyphotobacteria</b>
13	Chen	Sylvia (Xiaowei) Chen	<b>Evolution of eukaryotic non-coding RNA: insights from the RNA library of early eukaryote <i>Giardia Intestinalis</i></b>
14	Chen	Zeke S. H. Chan <sup>1,*</sup> , Lesley Collins <sup>3</sup> and N. Kasabov <sup>2</sup>	<b>An Efficient Greedy EM Algorithm for Global Gene Trajectory Clustering.</b>

15	Collinge	Derek Collinge <sup>1-2</sup> , Karl Gordon <sup>1</sup> , Carolyn Behm <sup>2</sup> , Steve Whyard <sup>3</sup> .	<b>Delivering a Silent Punch: Stable Transformation and RNAi in <i>Helicoverpa armigera</i></b>
16	Cook	Catherine A. Cook, Xin An, Kathryn A. Raphael.	<b>The Role of cryptochrome in Mating Time Difference in Tephritid Fruit Flies</b>
17	Corrigan	Shannon Corrigan <sup>1</sup> , Tonia S. Schwartz <sup>1</sup> , Charlie Huveneers <sup>2</sup> and Luciano B. Beheregaray <sup>1</sup>	<b>Conservation Genetics of Wobbegong Sharks (<i>Orectolobus</i>) in Australian Waters</b>
18	Coucheron	Dag H. Coucheron, Kari Haugli, and Steinar D. Johansen	<b>Phylogeny of the Physaridae slime molds (and other Myxomycota) based on a combined data-set of nuclear small subunit and large subunit ribosomal DNA sequences</b>
19	Damiano	JOHN DAMIANO, Trent Perry and Philip Batterham	<b>RESISTANCE: TO BE OR NOT TO BE – SCREENING THE GENOME FOR MUTANTS.</b>
20	de Salas	de Salas, M.F.1, , Koutoulis, A.1, Rhodes, L.L.2, and Hallegraeff, G.M.1	<b>Genetic diversity in unarmoured dinoflagellates: design of molecular probes</b>
21	Docking	T. Roderick Docking and Daniel J. Schoen	<b>Retrotransposon Sequence Variation in Four Asexual Plant Species</b>
22	Druzhinina	Irina S. Druzhinina, Alexei G. Kopchinski, Monika Komon, and Christian P. Kubicek	<b>An oligonucleotide barcode for species identification in <i>Trichoderma</i> and <i>Hypocrea</i></b>
23	Duffy*	<b>GSA</b> Angela Duffy and Peter B. Mather	<b>Isolation by distance at small spatial scales in lacustrine populations of freshwater turtles.</b>
24	Duffy*	<b>GSA</b> Angela Duffy, Satya Nandlal and Peter B. Mather	<b>Phylogeography of a pan tropical freshwater prawn with extensive marine larval dispersal potential.</b>
25	Ezawa	Kiyoshi Ezawa <sup>1</sup> , Satoshi Oota <sup>2</sup> , and Naruya Saitou <sup>1</sup>	<b>An Extensive Search for Gene Conversion Events in Mouse and Rat Genomes</b>
26	Fang	Shu Fang, Yen-Po Lin, Yu-Po Chen, and Shun-Chern Tsaur	<b>Evolution of Acp26Aa, the Male Accessory Gland Protein Gene, in <i>Drosophila mauritiana</i></b>
27	Feng	Feng LL, Liu J, Bains N, Lau KK, Bryson-Richardson RJ, Fatkin D, Wouters MA	<b>A Computational Pipeline for the Rapid Identification of Candidate Disease Genes</b>
28	Froula	Jeff Froula, Araceli M. Huerta, Pilar Francino	<b>Testing for over/under-representation of sigma 70 promoter-like signals in different genomic regions.</b>
29	Gaddam	Ravikumar Gaddam, Tim White, Simon Hills, Barbara Holland, David Penny	<b>Deep Divergence in Green Plant Phylogeny</b>
30	Gibb	Gillian C. Gibb, Olga Kardailsky, Edward Braun, and David Penny	<b>Avian Evolution Using Complete Mitochondrial Genome Sequences</b>

31	Gleave	Andrew Gleave, Charles Dwamena, Bhawana Nain, Ross Crowhurst, Annette Richardson, Daya Dayatilake, Philip Martin, Michael Clearwater, Bart Janssen, Robert Schaffer, Kate Thodey, Rebecca Bishop, and Robin MacDiarmid.	Identification of small RNAs in fruit crops
32	Goldberg	Julia Goldberg and Steve Trewick	Rates of Speciation – patterns of diversification among New Zealand insects
33	Goode	Matthew Goode, Howard Ross, Helen Sherman, C. Scott Baker, Shane Lavery, Allen Rodrigo	DNA-Surveillance –creating curated databases for molecular taxonomy using phylogenetic identification
34	Grady	Deborah L. Grady <sup>1</sup> , Maria M. Corrada <sup>2</sup> , Valentina Ciobanu <sup>1</sup> , Claudia Kawas <sup>2</sup> , James Swanson <sup>3</sup> , and Robert K. Moyzis <sup>1,3</sup>	A Recently Selected Human Dopamine Receptor Variant (DRD4 7R) is at Higher Frequency in Individuals Over 90 Years Old.
35	Grams	Raymond W. Grams II, David A. McClellan	Adaptation of physicochemical properties of competing proteins TNF- $\alpha$ and LTA
36	Guzik	Michelle T. Guzik <sup>1, 2</sup> , Steven J.B. Cooper <sup>2</sup> , William F. Humphreys <sup>3</sup> , Chris H.S. Watts <sup>4</sup> and Andrew D. Austin <sup>1</sup>	Identifying mechanisms of speciation in subterranean cave organisms
37	Hara	Yuichiro Hara, Kanako O. Koyanagi and Hidemi Watanabe	Significant contribution of gene conversion to the evolution of tandemly duplicated genes
38	Haynesh	Gwilym D. Haynes*, Peter Grewe **, Dean Gilligan <sup>†</sup> and Frank W. Nicholas*	Population Genetics of common carp in the Murray-Darling Basin
39	Hedges	S. Blair Hedges <sup>1,*</sup> , Joel Dudley <sup>2</sup> , Davide Pisani <sup>1</sup> , Vinod Swarna <sup>2</sup> , Graziela Valente <sup>2</sup> , and Sudhir Kumar <sup>2</sup> .	TimeTree: A Database of Species Divergence Times
40	Horn	Thorsten Horn <sup>1,2</sup> , Christopher Robert Bridges <sup>2</sup> and Neil Gemmell <sup>1</sup>	Telomere length change in vertebrates - A new aging-tool for field studies
41	Huerta	Araceli M. Huerta, Pilar Francino	Comparing the fine structure of promoter regions across bacterial species.
42	Janssen	Bart Janssen, Robert Schaffer, Kate Thodey, Shavindra Bajaj, Lena Balakrishnan, Ross Crowhurst, Judith Bowen, Susan Ledger, Yar-Khing Yauk, Shayna Ward, Steve McCartney, Jens Wunsche	MICROARRAY ANALYSIS OF FRUIT DEVELOPMENT IN APPLE

43	Johansen	Steinar D. Johansen 1, 2 , Ragna Breines 1, Anita Ursvik 1, and Dag H. Coucheron 1,	<b>Mitochondrial genomics of Gadidae fishes: molecular phylogeny and evolution based on complete mtDNA sequences</b>
44	Johnston	Kate Johnston, Patrick Dicker, Richard Edwards & Denis Shields.	<b>The Evolution of Specificity</b>
45	Jones*	<b>GSA</b> Julia C. Jones <sup>1</sup> , Benjamin P. Oldroyd <sup>1</sup> and Ryszard Maleszka <sup>2</sup>	<b>The Genetics of Thermoregulation in Honey bee Colonies</b>
46	Kopchinskiy	Alexey Kopchinskiy, Monika Komo, Christian P. Kubicek and Irina S. Druzhinina	<b>TrichoBLAST: a multiloci database of phylogenetic markers for Trichoderma and Hypocrea powered by sequence diagnosis and similarity search tools</b>
47	Kumar	Kumar S.1, Tamura K.2, Nei M.3.	<b>MEGA3: An Integrated Software for Molecular Evolutionary Genetics Analysis and Sequence Alignment</b>
48	Kumar	Sudhir Kumar <sup>1,2</sup>	<b>Launch of the FlyExpress Resource: The Drosophila in situ Gene Expression Pattern Database and Search Tool</b>
49	Kuraku	Shigehiro Kuraku, <sup>1</sup> Junko Ishijima, <sup>2</sup> Shigeru Kuratani, <sup>1</sup> and Yoichi Matsuda <sup>2, 3</sup>	<b>Chromosome size-dependent GC-compartmentalization in sauropsids estimated by cDNA sequencing and gene mapping in Chinese soft-shelled turtle <i>Pelodiscus sinensis</i></b>
50	Lasser	Elyse Lasser, Frances Terry, Jessica Grant and Laura A. Katz	<b>Diversity of amoebae among eukaryotes: insights from multigene analyses</b>
51	Laukien	Frank H. Laukien	<b>Postulate of an <i>Externally-Driven Irreversible Transferable Adaptation (EDITA)</i> Mechanism As a Second Generator of Evolutionary Change</b>
52	Lawrence	Hayley Lawrence, Graeme Taylor, Dr Craig Millar and Prof David Lambert	<b>Conservation Genetics of New Zealand's rarest seabird; <i>Whakapapa o te Taiko (Pterodroma magentae)</i></b>
53	Lea	Rod A Lea <sup>1,2</sup>	<b>Tracking the evolutionary history of the Warrior gene across the South Pacific</b>
54	Lee	Clare Lee	<b>The three-dimensional structure of anthranilate phosphoribosyl transferase, TrpD, from <i>Mycobacterium</i></b>
55	Lightfoot*	<b>GSA</b> Damien Lightfoot, Sharon Orford, Jeremy Timmis	<b>Development of cotton boll wall-specific promoters</b>
56	Maxwell	Peter Maxwell, Matthew Wakefield, Brett Easton, Gavin Huttley	<b>PyEvolve: a toolkit for statistical molecular evolutionary analysis of genomes</b>
57	Meneses	Isabel Meneses <sup>1</sup> , Rodrigo Vidal <sup>2</sup> and Macarena Smith <sup>1</sup>	<b>PHYLOGEOGRAPHY OF THE SPONGITES GENUS (CORALLINALES, RHODOPHYTA): HOW MANY POPULATIONS AND HOW MANY SPECIES EXIST IN THE COASTS OF CHILE?.</b>
58	Möller	Luciana Möller <sup>1,2</sup> , Jennifer Kingston <sup>2</sup> , Shannon Corrigan <sup>2</sup> , Joe Waas <sup>3</sup> , Mark Hindell <sup>4</sup> , Luciano Beheregaray <sup>2</sup> , Robert Harcourt <sup>1</sup>	<b>Are there genetic benefits from mate choice in marine mammals?</b>
59	Montaño	Adriana Maria Montaño, Naoyuki Takahata and Yoko Satta	<b>ORIGIN OF PEPTIDOGLYCAN RECOGNITION PROTEINS IN VERTEBRATES</b>

60	Muirhead*	<a href="#">GSA K. A. Muirhead, A. D. Austin, M. N. Sallam, S. C. Donnellan</a>	<b>Genetic variation in the <i>Cotesia flavipes</i> complex of parasitic wasps: towards the effective biological control of stemborer pests in Australia</b>
61	Muller	<a href="#">Chris Muller<sup>1</sup>, Lesley Hughes<sup>2</sup> and Luciano B. Beheregaray<sup>1</sup></a>	<b>The Phylogeny of the Butterfly Genus <i>Delias</i> (Lepidoptera) * a Biogeographical Perspective</b>
62	Murray	<a href="#">Brent W Murray<sup>1</sup>, John Wang<sup>2</sup>, John Stevens<sup>3</sup> and Ross Daley<sup>3</sup>, Jim Reist<sup>4</sup>, Aaron Fish<sup>5</sup>, Bill Bechtol<sup>6</sup>.</a>	<b>Mitochondrial Cytochrome b variation in sleeper sharks (<i>Somniosus</i>), subgenus <i>Somniosus</i>.</b>
63	Nielsen	<a href="#">Rasmus Nielsen<sup>1</sup> and Mikhail Matz<sup>2</sup></a>	<b>Statistical approaches for DNA barcoding</b>
64	Noda-Ogura	<a href="#">1,2Akiko Noda-Ogura, 1Kazuho Ikeo, 2Etsuko Matsuura, 1Takashi Gojobori</a>	<b>Comparative Genome Analyses of Nervous System-Specific Genes</b>
65	Nowick	<a href="#">Katja Nowick, Joshua Pollack, Florian Heissig, Hilliary Creely, Philipp Khaitovich, Birgit Nickel, Svante Pääbo</a>	<b>Identification of genes regulated by FOXP2</b>
66	Ottewell*	<a href="#">GSA Kym Ottewell, David Ayre and Rob Whelan</a>	<b>The Genetic Composition Of A Canopy Stored Seed Bank: Variation Across Years And With Plant Reproductive Effort.</b>
67	Oxley*	<a href="#">GSA Peter Oxley, Ben Oldroyd, Jürgen Paar,</a>	<b>The Genetics of Hygienic Behaviour of Honey Bees (<i>Apis mellifera</i>)</b>
68	Pingault	<a href="#">Pingault, N.M<sup>1</sup>., Lehmann, D<sup>2</sup>., Bowman, J.<sup>3</sup> and Riley, T.<sup>V3,4</sup>.</a>	<b>Comparison of Molecular Typing Methods for <i>Moraxella catarrhalis</i></b>
69	Pocwierz-Kotus	<a href="#">A. Pocwierz-Kotus<sup>1</sup>, A. Burzynski<sup>1</sup>, W. Makalowski<sup>2</sup> R. Wenne<sup>1,3</sup></a>	<b>Occurrence of Tc1 transposons in commercial fish species from the Baltic Sea</b>
70	Pratt	<a href="#">Renaë Pratt, Mary Morgan-Richards and Steve Trewick</a>	<b>Weta worldwide - sytematics and biogeography of the Anostostomatids</b>
71	QIN	<a href="#">JINYI QIN, CHEE YANG LEE, JOHN WETHERALL &amp; DAVID GROTH</a>	<b>Identification of Clones Spanning the Sheep MHC Gene Region</b>
72	Raterman	<a href="#">Raterman Denise, M. S. Springer</a>	<b>A comparative genomics approach to elucidating acrosin's role in mammalian fertilization</b>
73	Roach	<a href="#">Jennifer L. Roach and Douglas L. Crawford.</a>	<b>Phylogenomics: Isolation and Evolutionary Analysis of Random EST Sequences</b>
74	Robbens	<a href="#">Steven Robbens_, Stephane Rombauts_, Pierre Rouzé_, Jan Wuyts_, Sven Degroeve_, Hervé Moreau_, and Yves Van de Peer</a>	<b>Genome analysis of the world's smallest free-living eukaryote <i>Ostreococcus tauri</i> unveils unique genome heterogeneity</b>
75	Rogers	<a href="#">Stephanie A. Rogers<sup>1,2</sup>, Sudhir Kumar<sup>1</sup>, and Jeffrey W. Touchman<sup>1,2</sup></a>	<b>PRIMATE LINAGE SEQUENCE CONSERVATION IN PROMOTER REGIONS</b>

76	Roy	Scott William Roy	Low level of polymorphism in the untranslated regions of three highly polymorphic genes of the human malaria parasite, <i>Plasmodium falciparum</i>
77	Roy	Scott William Roy	Parallel gain can not explain the level of intron conservation between eukaryotic orthologs
78	Salaün	Laurence Salaün (1,2), Fabrice Mérien (1), Guy Baranton (2) and Mathieu Picardeau (2)	Genotyping of pathogenic <i>Leptospira</i> based on tandem repeat polymorphism
79	Santure	Anna Santure	Influence of Mum and Dad: Imprinting and Maternal Effects
80	Schliep	Klaus Schliep, Barbara Holland, Mike Hendy and David Penny	Some connections between Hadamard conjugation and regression models
81	Shaw	Matthew Shaw, Robert Cruickshank, Adrian Paterson	Multiple episodes of reversibility of parasitism in dermanyssoid mites (Acari: Mesostigmata)?
82	Simons	Jo Simons <sup>1, 2</sup> , Kerry Templeton <sup>1</sup> , Kim Plummer <sup>2</sup> , Christine Beveridge <sup>3</sup> , Kimberley Snowden <sup>1</sup>	CHARACTERISATION OF THE GENETIC AND HORMONAL CONTROLS OF PLANT BRANCHING.
83	Steeves	Tammy Steeves <sup>1</sup> , Richard Maloney <sup>2</sup> , Glenda Singleton <sup>1</sup> , Maureen Waite <sup>1</sup> and Neil Gemmell <sup>1</sup>	Conservation genetics of a critically endangered New Zealand endemic, the black stilt ( <i>Himantopus novaezelandiae</i> )
84	Stiglec	Rami Stiglec <sup>1</sup> , Shargal Tsend-Ayush <sup>1</sup> , Frank Grützner <sup>1</sup> , Tariq Ezaz <sup>1</sup> , Anne Gaeth <sup>1</sup> , Steve Sarre <sup>2</sup> , Arthur George <sup>2</sup> , Jennifer A. Marshall Graves <sup>1</sup> .	DMRT1 in the tiger snake
85	Tay	Gajanan Behere, Wee Tek Tay, Sandhya Kranthi <sup>1</sup> , Phil Batterham and Derek Russell	Mitochondrial DNA analyses of <i>Helicoverpa armigera</i> populations from Australia, India and China
86	Tay	W. T. Tay <sup>1,2</sup> , E. M. O'Mahony <sup>1</sup> , J. Klee <sup>1</sup> , S. Walker <sup>1</sup> and R. J. Paxton <sup>1</sup>	Single spore DNA analyses indicate that the multiple copies of rRNA genes in <i>Nosema bombi</i> (Microsporidia: Nosematidae) have different sequences
87	Travers	Simon A. A. Travers and Mario A. Fares	Uncovering new cofactor-interacting regions in Heat-shock proteins (Hsps) using inter-molecular coevolutionary
88	VanWye	Jeffrey D VanWye, M Danielle McDonald, Patrick J Walsh and Douglas L Crawford	Biological Variation in Gene Expression
89	Vargas	Iris M. Vargas Jentsch, Angelika Merkel, Emmanuel Buschiazzo, Neil J. Gemmell	Do simple sequences evolve simply?

90	Vaughan	Meredith Vaughan and Douglas Crawford	<b>A Nuclear Gene Phylogeny for Fundulus</b>
91	Whittall	Justen B. Whittall, Claudia Voelckel, Scott Hodges	<b>The molecular basis of convergent evolution: Loss of floral anthocyanins in Aquilegia.</b>
92	Wikmark	Odd-Gunnar Wikmark, Peik Haugen, Anna Vader, Dag H. Coucheron, Eva Sjøttem and Steinar Johansen.	<b>The recent transfer of a homing endonuclease gene between distantly related group I introns.</b>
93	Wilson	Neil Wilson <sup>1,2</sup> , Sasha Tetu <sup>2</sup> , Nick Coleman <sup>2</sup> , Michael Gillings <sup>1</sup> , Andrew Holmes <sup>2</sup> .	<b>The significance of integrons outside the clinical environment</b>
94	Winder	Louise Winder, Frances Wall <sup>1</sup> , Craig Phillips, Stuart Young and Stephen Goldson	<b>Nuclear and mitochondrial DNA sequence and ISSR variation in the Argentine Stem Weevil (<i>Listronotus bonariensis</i>) from South America and New Zealand</b>
95	Wolff	Jonci Wolff	<b>When good molecules go bad: how common are paternal inheritance of mitochondria and mitochondrial recombination</b>
96	Woods*	<b>GSA</b> Ryan Woods, Mark Ponniah and Jane M Hughes	<b>Fine Scale Population Structure In the Widely Distributed Freshwater Fish: Australian smelt (<i>Retropinna semoni</i>)</b>
97	Yockey*	<b>GSA</b> Heather Yockey, Graham Thompson, Ben Oldroyd	<b>Control of worker sterility in honey bees (<i>Apis mellifera</i>): differential gene expression in queens and workers.</b>
98	Zamora	Alejandro Zamora*,§, Qi Sun <sup>†</sup> , Charlotte Acharya*, Martha Hamblin*, Rebecca Nelson, Sharon Mitchell* and Stephen Kresovich <sup>1</sup> , §.	<b>A comparative evolutionary genomic approach identifies rapidly evolving genes in the genome of <i>Sorghum bicolor</i> (L.) Moench, involved in biotic and abiotic stresses</b>
99	Zenger	Zenger KR1, Wang C1, Wei K-J2, Wakefield M3, Deakin J2, Koina E2, Alsop A2, Cooper DW4 and Graves J2	<b>An integrated genetic linkage map of the tammar wallaby</b>
100	Zufall	Rebecca A. Zufall, Casey McGrath, and Laura Katz	<b>Exploring Genome Landscapes: Evolution of Proteins and Processing in Extensively Fragmenting Ciliates</b>

**NOTE: \* indicates GSA student posters**