

Conference Programme

Please refer to the conference website for the electronic abstracts and any updates:
<http://gen2017.w.events4you.currinda.com>

SUNDAY 2 JULY 2017

Registration Desk open from 11.00 am	Larnach Castle/Albatross/Fort Tairaroa Tour (booking essential – NZ\$105) Bus departs St David Lecture Theatre Complex 11.30 am returning 5.30 pm
<p>Conservation Genetics: New tools to preserve our unique wildlife (Open to the Public) Orokonui Ecosanctuary, 600 Blueskin Road, Dunedin 2.45 pm – 4.30 pm Transportation via bus and admission to the Panel Presentation (NZ\$20) see also the guided tour option.</p> <p>Chair: Alison Ballance, Radio New Zealand</p> <p>Panelists: Helen Taylor, University of Otago, NZ Michael Knapp, University of Otago, NZ Anna Santure, University of Auckland, NZ Lee Ann Rollins, Deakin University, Australia</p>	Emerson Brewery Tour (booking essential NZ\$25) make your way to 70 Anzac Avenue 12.15 pm – 1.30 pm
	Anatomy Museum Tour (booking essential - free) Lindo Fergusson Building, Great King Street (opposite Dunedin Hospital main entrance) 12.50 pm – 2.00 pm
	Orokonui Ecosanctuary Tour (booking essential – NZ\$50) Departs St David Lecture Theatre Complex 1.00 pm returning 5.00 pm includes transport, Entry to Orokonui, Guided Tour and Conservation Genetics Early Career Researchers Panel
<p>Conference Opening / Welcome Function Peter Dearden (for GSA) & Anthony Poole (for NZSBMB) 5.30 pm – 6.30 pm</p>	
<p>Keynote / Public Lecture: Chairs: Peter Dearden and Anthony Poole Pet dogs, citizen science and complex behavioral genetics Elinor Karlsson – University of Massachusetts Medical School, USA 6.30 pm – 7.30 pm</p>	

Location

Offsite
 Foyer

Main Conference Room
 Room 1

Room 5
 Room 2

MONDAY 3 JULY 2017

Registration desk opens from 8.00 am

Drosophila to identify and unravel pathogenic mechanisms of human genetic diseases

Keynote: Hugo Bellen, Baylor College of Medicine, Texas, USA

Chairs: Wayne Patrick & Peter Dearden

9.00 am – 9.45 am

Morning Tea 9.45am – 10.15am

Practical Adaptive Landscapes

Keynote: Antony Dean, University of Minnesota, USA

Chairs: Wayne Patrick & Peter Dearden

10.15 am – 11.00 am

Cell-type specific profiling of chromatin states within the brain

Owen Marshall, University of Tasmania, Australia

Chairs: Wayne Patrick & Peter Dearden

11.05 am – 11.25 am

The avoidance of random RNA interactions controls bacterial protein expression

Paul Gardner, University of Canterbury, New Zealand

Chairs: Wayne Patrick & Peter Dearden



11.30 am – 11.50 am


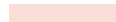
Announcements 11.55 am – 12.00 pm

Lunch 12.00 pm – 1.00 pm

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 Main Conference Room
 Room 1

 Room 5
 Room 2

MONDAY 3 JULY 2017

<p>Genomics 1 1.00 pm – 2.10 pm Chair: Neil Gemmell</p>	<p>Biochem-AG 1.00 pm – 2.10 pm Chair: Amy Osbourne Session sponsored by </p>	<p>Workshop 2.00 pm – 5.00 pm</p>
<p>Developmental genomics of sponges Maja Adamska, Australian National University, Australia 1.00 pm - 1.20 pm</p>	<p>Insecticide metabolism - Control or chaos? Philip Batterham, University of Melbourne 1.00 pm – 1.20 pm</p>	
<p>Commemorating 60 years of bidirectional selection: Applying genomics to the Virginia body weight chicken lines Mette Lillie 1.25 pm – 1.40 pm</p>	<p>Evolution of the odorant receptor multigene family in insects: a tale from coloured fish to flying dragons Richard Newcomb 1.25 pm – 1.40 pm</p>	
<p>The shape of silencing: differential DNA methylation between the sexes of genes subject to X chromosome inactivation in marsupials Paul Waters 1.40 pm – 1.55 pm</p>	<p>Cyclotides: deployment of the small circular peptides for butterfly pea (<i>Clitoria ternatea</i>) plant defence Georgianna Oguis 1.40 pm – 1.55 pm</p>	
<p>New insights into sexual plasticity in fish using RNA-Seq Ann Liu 1.55 pm – 2.10 pm</p>	<p>Genotyping-By-Sequencing for diverse applications including population genetics Jeanne Jacobs 1.55 pm – 2.10 pm</p>	<p>R and R Shiny Workshop 2.00 pm – 5.00 pm Bioinformatics Institute</p>
<p>Drosophila and mouse genetic models provide clues into the inexplicable tumour suppressor behaviour of FUBP1 in oligodendroglioma Leonie Quinn, Australia National University, Australia 2.20 pm – 2.45 pm Chair: Neil Gemmell</p>		
<p>Afternoon Tea 2.45 pm – 3.15 pm</p>		

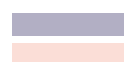
Location



Offsite
Foyer



Main Conference Room
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Room 5
Room 2


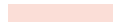
MONDAY 3 JULY 2017 (continued)

<p>Genomics 2 3.15 pm – 4.55 pm Chair: Julia Horsfield</p>	<p>Workshop 3.15 pm – 5.00 pm</p>
<p>The tuatara genome - insights from the sole survivor of an ancient reptilian order Neil Gemmell, University of Otago, New Zealand 3.15 pm - 3.35 pm</p>	<p>R and R Shiny Workshop 2.00 pm – 5.00 pm</p>
<p>A genomewide investigation of susceptibility and resistance of bottlenose dolphins to cetacean morbillivirus Kimberley Batley 3.40 pm - 3.55 pm</p>	<p>Bioinformatics Institute</p>
<p>Identifying methylome changes in response to heavy, long-term cannabis use, in a large longitudinal cohort Amy Osborne 4.00 pm – 4.15 pm</p>	
<p>Australian rainbowfishes: a model system for ecological genomic studies of adaptation to climate change Luciano Beheregaray 4.20 pm – 4.35 pm</p>	
<p>Genetic hitchhikers: what species are hiding in your sequencing data? Rachel Ashby 4.40 pm – 4.55 pm</p>	
<p>Poster Session 1 5.00 pm – 6.45 pm (refer to pages 27-30)</p>	
<p>Keynote/Public Lecture: Chair: Stephen Robertson Using large-scale genomic databases to interpret genetic variation Daniel MacArthur, Harvard Medical School, USA 6.45 pm – 7.45 pm</p>	

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TUESDAY 4 JULY 2017

Registration desk opens from 8.00 am

Wildlife genomics and conservation

Chair: Katherine Belov

Keynote: Rebecca Johnson, Australian Museum Research Institute, Australia

8.30 am – 9.15 am

Maximising genetic diversity in captive breeding for translocation programmes: a conservation genomics approach

Chair: Katherine Belov

Tammy Steeves, University of Canterbury, New Zealand

9.20 am – 9.45 am

Morning Tea 9.45 am – 10.15 am

Using conservation genomics to predict adaptive potential in hihi

Chair: Coral Warr

Anna Santure, University of Auckland, New Zealand

10.15 am – 10.35 am

Decoding obesity & type-2 diabetes co-morbidity

Chair: Coral Warr

Justin O'Sullivan, University of Auckland, New Zealand

10.35 am – 10.55 am

Deciphering the role of DNA replication in human growth and development

Chair: Coral Warr

Louise Bicknell, University of Otago, Dunedin

10.55am – 11.15am


Sponsored by  

Genotyping Brassicas: The need for a pangenome

Chair: Jeanne Jacobs

Keynote: Jacqui Batley, University of Western Australia

11.20 am - 12.05 pm

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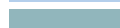
Lunch 12.05 pm – 1.00 pm

Genetics Association of AustralAsia Annual General Meeting 12.05 pm - 1.00 pm

Location



Offsite



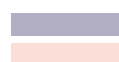
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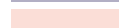
Main Conference Room



Room 1



Room 5

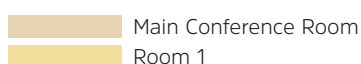


Room 2

TUESDAY 4 JULY 2017 (continued)

<p>Evo-Devo 1 1.15 pm – 2.50 pm Chair: Peter Dearden</p> 	<p>Conservation/Ecology 1.15 pm – 2.50 pm Chair: Jon Waters</p>	
<p>Torso-like interacts with the insulin signalling pathway to regulate growth and developmental timing Coral Warr, Monash University, Australia 1.00 pm – 1.20 pm</p>	<p>Using population genetics and genomics as next-generation approaches for the control of invasive insects: social wasps as a case study Phil Lester, Victoria University, Ne Zealand 1.00 pm – 1.20 pm</p>	
<p>The transcription factor petal loss suppresses growth between sepals in arabidopsis David Smyth 1.20 pm – 1.35 pm</p>	<p>Bridging the conservation genetics gap by identifying barriers to uptake for conservation practitioners Helen Taylor 1.20 pm -1.35 pm</p>	
<p>Evolving eusociality: Using Drosophila to understand how queen pheromone inhibits reproduction in worker honeybees Mackenzie Lovegrove 1.35 pm – 1.50 pm</p>	<p>The devil's in the diet: a metabarcoding study of ecosystem changes Catriona Campbell 1.35 pm – 1.50 pm</p>	
<p>Use it or lose it? The genomic mechanisms underlying wing-loss in New Zealand's alpine stoneflies Andrew Veale 1.50 pm – 2.05 pm</p>	<p>Using mitochondrial DNA sequencing and nuclear Genotyping-by-Sequencing to identify bycaught seabirds Peter Ritchie 1.50 pm – 2.05 pm</p>	

Location



TUESDAY 4 JULY 2017 (continued)

<p>Evo-Devo 1 continued Chair: Peter Dearden</p> <p>Session sponsored by </p>	<p>Conservation/Ecology continued Chair: Jon Waters</p>	
<p>The genetic and mechanistic basis of worker sterility in the honey bee Isobel Ronai 2.05 pm – 2.20 pm</p>	<p>Genetics and conservation biology: a reexamination Ian Franklin 2.05pm – 2.20 pm</p>	
<p>Phenotypically normal worker honey bees (<i>Apis mellifera capensis</i>) with three alleles at multiple microsatellite loci Benjamin Oldroyd, University of Sydney 2.20 pm – 2.35 pm</p>	<p>Mitochondrial variation and heteroplasmy in Australian and Hawai’ian cane toads Lee Rollins 2.20 pm – 2.35 pm</p>	
<p>Is migration propensity linked to genetic “switches” in a great “speciator” silvereys <i>Zosterops lateralis</i>? Graeme Oatley 2.35 pm – 2.50 pm</p>	<p>Environmental DNA monitoring detects habitat-specific species assemblages in the marine ecosystem Gert-Jan Jeunen 2.35 pm – 2.50 pm</p>	
<p>Afternoon Tea 2.50 pm – 3.15 pm</p>		

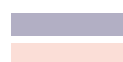
Location



Offsite
Foyer



Main Conference Room
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Room 5
Room 2


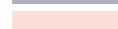
TUESDAY 4 JULY 2017 (continued)

Biochem and Evolution 3.15 pm – 5.05 pm Chair: Monica Gerth	Medical Genetics 3.15 pm – 4.50 pm Chair: Louise Bicknell	Evo-Devo 2 3.15 pm – 4.00 pm Chair: Peter Dearden
<p>Predicting the future and reconstructing the past through protein engineering Colin Jackson, Australian National University 3.15 pm – 3.45 pm</p>	<p>A recessive skeletal dysplasia due to compound heterozygosity for bi-allelic variants in MYH3 Stephen Robertson, University of Otago 3.15 pm – 3.35 pm</p>	<p>Epigenetic memory in vertebrates Tim Hore 3.15 pm – 3.30 pm</p>
<p>How the other half live: the evolution of repetitive DNA Austen Ganley, University of Auckland 3.45 pm – 4.05 pm</p>	<p>Growing a Pair: Directing pluripotent stem cells towards human testis cell lineages Ingrid Knarston 3.35 pm – 3.50 pm</p>	<p>Epigenetics and sex determination Jenny Graves 3.30 pm – 3.45 pm</p>
<p>The anatomy of an adapted enzyme Renwick Dobson 4.05 pm – 4.20 pm</p>	<p>GWAS on post-term birth: Analysis of successive Finnish birth cohorts identifies TKT and SSBP2 loci William Schierding 3.50 pm – 4.05 pm</p>	<p>A unified model for the molecular basis and evolution of temperature-dependent sex determination Clare Holleley 3.45 pm – 4.00 pm</p>
<p>Determining the molecular effects of 5-fluorocytosine on the pathogenicity of Pseudomonas aeruginosa Jessica Thomson 4.20 pm – 4.35 pm</p>	<p>Using the mouse model to understand the interplay between genetic susceptibility and idiopathic scoliosis progression during puberty Megan Wilson 4.05 pm – 4.20 pm</p>	<p>ECOLOGY 4.05 pm – 5.20 pm Chair: Anna Santure</p> <p>Phylogenomics and species delimitation of pygmy perches: implications for biogeography, taxonomy and conservation Sean Buckley 4.05 pm – 4.20 pm</p>

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TUESDAY 4 JULY 2017 (continued)

Biochem and Evolution continued Chair: Monica Gerth 4.35 pm - 5.05 pm	Medical Genetics continued Chair: Louise Bicknell 4.20 pm - 4.50 pm	Ecology continued Chair: Anna Santure 4.20 pm - 5.20 pm
Emergence of RNA editing in an evolution experiment Anthony Poole 4.35 pm - 4.50 pm	Pleiotropic effect of ABCG2 in gout Amanda Phipps-Green 4.20 pm - 4.35 pm	Differential gene expression in brain tissue of cane toads across the Australian invasive range Andrea West 4.20 pm - 4.35 pm
Bioinformatic discovery of noncoding RNA genes Christopher Brown 4.50 pm - 5.05 pm	Zbtb11 regulates TP53 and is required for definitive haemopoiesis Maria Cristina Keightley 4.35 pm - 4.50 pm	Volcanoes and earthquakes shed light on how disturbance shapes spatial patterns of genetic diversity Ceridwen Fraser 4.35 pm - 4.50 pm
		Invader immune profiles? Differential gene expression patterns in cane toad populations match predictions about invasive species immune function Daniel Selechnik 4.50 pm - 5.05 pm
Poster Session 2 5.00 pm - 6.30 pm (Refer to Pages 27-30)		Phylogenetic affinities of white-chinned petrels: questions for conservation management Kalinka Rexer-Huber 5.05 pm - 5.20 pm
<p>Art & Genetics Exhibiton Opening - HD Skinner Annex, 361 Great King Street 6.10 pm - 6.50 pm</p> <p>Conference Dinner - Otago Museum, 419 Great King Street 7.00 pm - 10.30 pm (Optional - bookings essential for both events - Art & Genetics Exhibiton free of charge, Conference Dinner - \$125 or \$90 for students)</p>		

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Room 5
Room 2

WEDNESDAY 5 JULY 2017

Registration desk opens from 8.00 am	
<p>Keynote: Chair: Lisa Matisoo-Smith Dogs and wolves in time and space Tom Gilbert, Natural History Museum of Denmark 9.00 am – 9.45 am</p>	
Morning Tea 9.45am – 10.15am	
<p>Ancient DNA Plenary 10.15 am – 11.15 am Chair: Nic Rawlence</p>	<p>Statistical Genetics (VISG) 10.15 am – 11.30 am Chair: Phil Wilcox</p>
<p>Ancient DNA and contributions to understanding the human settlement of the Pacific Lisa Matisoo-Smith, University of Otago 10.15 am - 10.35 am</p>	<p>Genomic selection and genomic estimated breeding values in genotype by environment data: a proof of concept for RPBC Brian Cullis, Alison Smith and Paul Jefferson 10.15 am – 10.40 am</p>
<p>Ancient DNA: testing for climatic and anthropogenic drivers of ecosystem change in the Southern Hemisphere Jonathan Waters, University of Otago, New Zealand 10.35 am - 10.55 am</p>	<p>Selection tools built on factor analytic models for genotype by environment data Alison Smith and Brian Cullis 10.40 am – 11.15 am</p>
<p>Rapid Response of a Marine Mammal Species to Holocene Climate and Habitat Change Mark de Bruyn, University of Sydney 10.55 am - 11.15 am</p>	
<p>The Custom Science NZSBMB Award for Research Excellence Chair: Anthony Poole 2017 Recipient: Wayne Patrick, University of Otago 11.20 am – 12.05 pm</p> <p style="text-align: right;"><small>customscience</small></p>	
Lunch 12.05 pm – 1.00pm	Young Sci-Com Lunch – 1st Floor Mezzanine

Location

Offsite
 Foyer

Main Conference Room
 Room 1

Room 5
 Room 2

WEDNESDAY 5 JULY 2017 (continued)

Microbial Genomics 1.00 pm – 2.45 pm Chair: Xochitl Morgan	Ancient DNA Symposium 1.00 pm – 2.45 pm Chair: Michael Knapp	
Evolution of a global superbug Scott Beatson, University of Queensland, AUS 1.00 pm – 1.30 pm	Myth or relict: Does ancient DNA detect the enigmatic Upland seal? Alex Salis 1.00 pm – 1.15 pm	
	Untangling the evolutionary history of the European Bison Ayla van Loenen 1.15 pm – 1.30 pm	
One genome to rule them all: genome plasticity in single strains of Helicobacter pylori Jenny Draper 1.30 pm – 2.00 pm	Madagascar's extinct elephant birds: what we know from molecular studies Alicia Grealy 1.30 pm – 1.45 pm	Workshop Best Practice in RNA Seq 2.00pm – 3.00pm
	Out of Australia - Are New Zealand's extinct giant birds of prey descendants of recent Australian migrants? Michael Knapp 1.45 pm – 2.00 pm	
Discovery of new natural products from uncultivated microbes Jeremy Owen 2.00pm – 2.30pm	Ancient DNA reveals extinction and replacement of New Zealand's unique flight-reduced semi-terrestrial swans Nic Rawlence 2.00 pm – 2.15 pm	
	Ancient DNA from museum specimens: techniques for minimizing damage Lara Shepherd 2.15 pm – 2.30 pm	
Evolution of antibiotic resistance in pseudomonas aeruginosa Iain Lamont 2.30pm – 2.45pm	Ancient DNA clarifies the evolutionary history, taxonomy and distribution of crested penguins Theresa Cole 2.30 pm – 2.45 pm	

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Room 5
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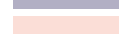
WEDNESDAY 5 JULY 2017 (continued)

Afternoon Tea 2.45 pm – 3.15 pm		
GSA Awards 3.15 pm – 5.55 pm Chairs: Katherine Belov & Peter Dearden		Workshop 3.15 pm – 4.15 pm
Excellence in Education Award 3.15 pm – 3.35 pm Jaime Gongora University of Sydney		Workshop: Best Practice in Metagenomics 3.15 pm – 4.15 pm
D.G. Catcheside Award 3.40 pm – 3.55 pm Katherine Harrisson La Trobe University		
Alan Wilton Award 4.00 pm – 4.20 pm Jemma Geoghegan Macquarie University		
Ross Crozier Medal 4.25 pm – 4.50 pm Peter Fineran University of Otago		
MJD White Medal Award 4.55 pm – 5.55 pm Richard Frankham Macquarie University		
Public Lecture: Me, my dog and maize: studying evolution and domestication at the population level using ancient DNA Tom Gilbert, Natural History Museum of Denmark 6.30 pm – 7.15 pm		

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 Offsite
 Foyer

 Main Conference Room
 Room 1

 Room 5
 Room 2

THURSDAY 6 JULY 2017

Emerson Brewery Tour

(booking essential)

make your way to 70 Anzac Avenue

10.15am – 11.30am

Anatomy Museum Tour

Lindo Fergusson Building, Great King Street

(opposite Dunedin Hospital) 12.50am – 2.00pm

VISG Statistics Seminar

Genotype by environment data: pedigree and genomic selection analysis using ASReml-R



Brian Cullis and Alison Smith


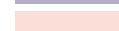
1.00pm – 3.30pm

This Seminar is free but bookings essential (also open to the public) Book via the Genetics Otago Booking System: <https://geneticsotago.wildapricot.org/event-2565358>

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 Offsite
 Foyer

 Main Conference Room
 Room 1

 Room 5
 Room 2

Posters

In alphabetical order of presenting authors surname (see back covers for locations)

Poster ID	Location	Poster
778	A	Predicting altered methylation patterns in early pre-eclampsia Suzan Almomani
762	A	Using DNA methylation to investigate a novel model for childhood acute <i>lymphoblastic leukaemia</i> Abdulmonem Alsaleh
630	B	Adaptive genomic divergence despite high gene flow in an Australian fish, golden perch (<i>Macquaria ambigua</i>) Catherine RM Attard
785	D	Combining deleterious ABC transporter C2 alleles of independent origin causes field resistance to insecticidal Bt toxins Simon W Baxter
659	A	Genetic consequences of wildfire in an insular stand of the bird-pollinated, granite-outcrop endemic tree <i>Eucalyptus caesia</i> Nicole Bezemer
767	A	Understanding the genetic basis of mate choice in an iconic Australian species Parice A Brandies
733	B	Waking the sleeping dragon - molecular insights into the hibernation of the central bearded dragon Alexander Capraro
693	D	Developmentally important transcription factor <i>Fezf2</i> has a molecular and functional role in the mature brain Alison J Clare
661	C	Identification and expression of pluripotency genes during ascidian whole body regeneration. Rebecca M. Clarke
671	C	Regulation and Evolution of Complex Developmental Gene Networks Andrew G Cridge
788	A	Sequencing the genomes of every Kakapo Andrew Digby
540	B	Coming of age: the role of nuclear structure in zygotic genome activation Amy Dowdle
536	A	Does animal personality explain harem access in the polygynous new zealand sea lion (<i>phocarctos hookeri</i>)? Imogen Foote
588	A	Genomic analysis of hybridisation between the endemic kakī (black stilt), and the self-introduced poaka (pied stilt) Natalie J Forsdick
691	D	Triose phosphate isomerase: far from perfect, far from done Josh B Gilligan

Poster ID	Location	Poster
532	B	Sex and stress: Is cortisol a mediator of sex change in fish? Alexander Goikoetxea Pérez de Mendiola
567	B	Genomics of a weevil pest and its parasitoid biocontrol agent Thomas WR Harrop
772	D	Characterisation of an Arabidopsis thaliana plant cysteine dioxygenase Brooklyn K Hayes
735	D	Recombination drives evolution of the pyoverdine locus in <i>Pseudomonas aeruginosa</i> Astra Heywood
734	B	Evidence for post-transcriptional regulation of dosage compensation in platypus William Horspool
699	C	Telomere length dimorphism in dasyurid marsupials is based on parental origin of the chromosome Emory D Ingles
775	D	Regulatory small RNAs in bacteria: Annotation and evolutionary origins Bethany R Jose
706	B	Functional analysis of a gout-associated noncoding snp variant Sarada Ketharnathan
698	C	Rock wallabies as a model for chromosome speciation: fine-scale mapping of chromosome rearrangements. Maya Kruger-Andrzejewska
704	D	Intergenerational effects of atrazine exposure during juvenile development in zebrafish Simon SDL Lamb
746	A	New structural and functional insights into the type II fungal ATP-binding cassette transporter <i>Candida albicans</i> Cdr1 Erwin Lamping
657	B	Unravelling the genetics of macadamia: integration of linkage and genome maps. Kirsty S Langdon
680	C	Independent loss of introns during evolution across multiple fungal clades Chun Shen Lim
686	B	To the Caribbean and beyond: complete mitogenomes of ancient guinea pigs as a proxy for human interaction post-AD500 Edana Lord
547	A	Genome-wide association study of gout in 111,098 people of european ancestry Tanya J Major
776	A	Structural investigation of the Hsc70 heat shock cognate protein for applications in radiotherapy Jamin L.B Martin
694	B	Whole genome insight into Kea's alpine lifestyle Denise Martini
770	D	Mechanisms of Active DNA Demethylation in somatic cells Issam Mayyas
713	A	Gender bias and late onset idiopathic disease Jeremy McCallum-Loudeac
528	A	Innovative approaches to disease gene discovery in motor neuron disease Emily P McCann

Poster ID	Location	Poster
777	A	Inbreeding on the rise: Molecular-based pedigree reveals an early warning sign of gene diversity loss in an island population of Tasmanian devils (<i>Sarcophilus harrisi</i>) Elspeth A McLennan
765	A	Germline Variant in Tumour Suppressor p16 ^{INK4A} and Long Non-Coding RNA ANRIL in Breast Cancer Paulomi Mehta
683	B	De novo assembly and reconstruction of complete circular chloroplast genomes using Geneious Hilary Miller
684	C	Germline memory: Understanding epigenetic reprogramming in vertebrates Oscar Ortega-Recalde
763	A	SLC2A9 and hyperuricemia: Identification of population-specific genetic variants in New Zealand Maori and Pacific (Polynesian) people. Padmini Parthasarathy
722	D	Interactions between PvdA and PvdF, two enzymes involved in pyoverdine biosynthesis in <i>Pseudomonas aeruginosa</i> Priyadarshini Devi Philem
525	A	Hierarchical metapopulation structure in the southern Australia coastal bottlenose dolphin (<i>Tursiops cf. australis</i>) Eleanor AL Pratt
544	D	A bimolecular luminescence complementation assay to identify a bee-friendly insecticide Charlotte Pushparajan
531	B	DNA methylation and aging in zebrafish Alexandria Ragsdale
766	A	Human papilloma virus in the placenta: the role of p53 Sankalita Ray
745	A	Detecting genetic divergence in a relict New Zealand seabird Aisling Rayne
724	A	Understanding evolution of ciprofloxacin resistance in <i>Pseudomonas aeruginosa</i> Attika Rehman
548	D	Convergence of Deformed Wing virus recombinant strains in honey bee populations with <i>Varroa</i> -resistance Emily Remnant
719	A	Gene expression in conspecific-suppressed cane toad tadpoles Mark F Richardson
702	B	Propr: an r package for measuring associations in any -omics data Mark F Richardson
779	D	A FRET reporter of conformation in Hsc70 Malcolm T Rutledge
718	C	Identification and characterisation of two putative ecdysteroid kinases in <i>Drosophila melanogaster</i> Jack Scanlan
591	A	One big family? Population genetic structure of the endangered black-fronted tern (<i>Chlidionias albostratus</i>) Ann-Kathrin V. Schlesselmann
549	B	Association of genetic variants in AAT encoded SERPINA1 gene with gout in Europeans and Polynesian Amara Shaukat

Poster ID	Location	Poster
723	C	Determining the regulation of <i>Lbx1</i> gene expression during mouse spinal cord development. Kathleen J Sircombe
517	D	Evidence for a large expansion and neofunctionalisation of neuroglobin-like genes in sea anemones Hayden L Smith
740	C	Testing the Kinship Theory of Genomic Imprinting in African honey bees Nicholas MA Smith
784	D	SWItching it up: Purification of fungal SWI/SNF complexes reveals compositional differences from their yeast counterparts Brianna Steed
730	D	Scratched, then sniffed? exploring the role of chemotaxis in host invasion Laura RK Stringer
742	B	Linkage disequilibrium and linked identity by descent for loose linkage John Sved
566	C	Sex-differential microRNA expression in the developing mouse brain Susie Szakats
689	A	Modelling rare disease in <i>Xenopus laevis</i> using CRISPR/Cas9 Amy Taylor
789	B	Identifying functional roles for novel cis-regulatory elements predicted to regulate the <i>Runx1</i> gene Armani Thomas
533	C	Investigating early genetic regulators of sex change in labrid fish: a multispecies candidate gene approach Jodi T Thomas
682	D	Functional analysis of the SOXB1 bound Nestin enhancer using CRISPR Ella Thomson
539	A	Genetic effects on social isolation anxiety in zebrafish (<i>Danio rerio</i>) Hilary Thomson
771	D	Purification and chromophore composition of an unusual phycoerythrin from New Zealand red alga, <i>Polysiphonia strictissima</i> Pauline I Uyseco
781	B	Genotyping-By-Sequencing for diverse applications Tracey van Stijn
709	D	Evolution of <i>Pseudomonas aeruginosa</i> during long term infection in a patient with cystic fibrosis Samuel J.T Wardell
526	A	Establishing an invertebrate chordate model to study whole body regeneration Megan Wilson
725	C	Lhx9 is required for urogenital ridge formation and ovarian development Stephanie Workman
666	D	Understanding the Batten disease associated protein CLN5 Jade JR Yip

Poster Areas: (refer to floorplan on back cover)

Posters A: Medical Genetics plus Model Organisms, Conservation/Ecology

Posters B: Genomics and Ancient DNA

Posters C: Evo-Devo

Posters D (First Floor Foyer): Biochem, Molecular Evolution and Microbes