PROGRAM

**Tuesday 3\(^{rd}\) December 2002**

18:15  Opening Mixer - Wrest Point Casino
19:30  Australian Twin Registry Meeting Dinner - Wrest Point Casino

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**Wednesday 4\(^{th}\) December 2002 - 7\(^{th}\) Australian Twin Registry Meeting**

08:00  ATR Registration
08:45  Introduction by Professor John Hopper

09:00  **Session 1: Twin Studies of Behaviour** *(Chair: Brian Byrne)*

09:00  Lon Cardon: Linkage for dyslexia and specific language deficit using twins
09:30  Brian Byrne: Longitudinal twin study of early reading and attention
09:45  David Hay: ADHD: genetic epidemiology and brain structure
10:00  Narelle Hansell: Measures of brain function as endophenotypes of cognition
10:15  Michelle Luciano: Genetic covariation between processing speed and IQ

**10:30 Morning Tea**

11:00  **Session 2: Twin Studies of Common Disease I** *(Chair: Phil Sambrook)*

11:00  Phil Sambrook: Gender differences in volumetric bone density
11:15  John Wark: Twin study of bone mineral density
11:30  Toby Hughes: Genetic influences on dental development
11:45  Nick de Klerk: Familial aggregation of exhaled nitric oxide
12:00  John Hopper: Twin and family studies of mammographic density, a risk factor for breast cancer
12:15  Dean Male: Heritability of Human Somatic Mutation: A Twins Study

**12:30 Lunch provided**

13:30  **Session 3: Twin Studies in Behavioral Medicine** *(Chair: Tracey Wade)*

13:30  Tracey Wade: Genetic epidemiology of body image in women
13:45  John Whitfield: Heritability of alcohol intake
14:00  Lata Vadlamudi: Epilepsy in twins: Insights from historical data
14:15  Sam Berkovic: Update on twin epilepsy research
14:30  Nathan Gillespie: Are there genes for late onset depression?
14:40  Christine Smit: Twin studies of EEG coherence
14:50  Nick Martin: Genetic and environmental symptoms of anxiety and depression
15:00  Afternoon Tea
15:30  Session 4: Being a Twin (Chair: G Montgomery / D Hay)
15:30  Grant Montgomery: Genetics of DZ twinning
15:45  Arturas Petronis: Epigenetic factors in MZ discordance
16:00  Terry Dwyer: The fetal origins hypothesis
16:15  Sarah Medland: Mirror imaging and handedness in twins
16:30  David Hay: The multiples in schools website
16:45  Karen Thorpe: Language development in twins
17:00  Close of 7th ATR Meeting
18:00  Reception at Menzies Research Centre (5 mins walk)
Thursday 5th December 2002 - 3rd Australasian Human Gene Mapping Meeting

08:00    AHGMM Registration
08:30    Opening by his Excellency the Governor of Tasmania, Sir Guy Green

08:45    **Session 5: Genetic Isolates** *(Chair: Simon Foote)*
08:45    John Blangero: Localization and Identification of Human QTLs: Utility of Extended Pedigrees and Genetic Isolates.
09:15    Melanie Bahlo: Haplotype inferences in deep Tasmanian pedigrees
09:30    Kathryn Burdon: Congenital cataract genes in Tasmania
09:45    Lyn Griffiths: Using the Norfolk Island isolate for gene mapping
10:00    Luba Kalaydjieva: Genetic structure of a founder population
10:15    David Duffy: Linkage to asthma in the Tristan da Cunha pedigree

10:30    **Morning Tea**

11:00    **Session 6: LD Mapping** *(Chair: Simon Easteal)*
11:00    Lon Cardon: Using patterns of linkage disequilibrium vs haplotype blocks for association mapping
11:30    Justin Rubio: Conserved HLA haplotype in MS and HC
11:45    Ben Hayes: Estimating past population size using LD
12:00    **Panel Discussion**
12:30    **Poster Session - Lunch provided**

13:30    **Session 7: Extended Pedigrees** *(Chair: Dale Nyholt)*
13:30    Simon Heath: Linkage analysis with large pedigrees
14:00    Peter Schofield: Bipolar susceptibility locus on 4q35
14:15    Peter Visscher: Analysis of 3 bipolar disorder data sets with linkage to chr4p
14:30    Jeff Thornton / Michael James: SNP analysis with Sequenom MassArray
15:00    **Afternoon Tea**

15:30    **Session 8: Epigenetics** *(Chair: Nick Martin)*
15:30    Arturas Petronis: Epigenetics and Complex Disease
16:00    Susan Clark: Epigenetic reprogramming in the early embryo
16:15    Emma Whitelaw: Transgenerational epigenetic inheritance in mammals
16:30    Anatoly Ruvinsky: Alternative splicing and epigenetic variability
16:45    Bernie Carroll: Stringent genetic programming of DNA methylation in humans
17:00    **Panel Discussion**
18:00    Reception at Government House
Friday 6th December 2002 - 3rd Australasian Human Gene Mapping Meeting

08:30  Session 9:  Sib Pairs (Chair: Peter Schofield)
08:30  Harald Goring: Penetrance free models of gene mapping
09:00  Andrew Birley: EDAC sib pair linkage for anxiety and depression
09:15  Zilla Wong: QTL for HDL on chromosome 4
09:30  Sue Treloar: ASP linkage study for endometriosis
09:45  Jacki Wicks: IBD and TDT with imprinted genes
10:00  Dale Nyholt: LCA for population stratification
10:15  Bryan Mowry: Genome scan meta-analysis of schizophrenia
10:30  Michael Rhodes: Architecture of LD blocks across human chrs 6, 21, and 22
10:45  Morning Tea

11:15  Session 10: Animal Models (Chair: Melanie Bahlo)
11:15  Simon Foote: Mapping QTLs in the mouse
11:40  Herman Raadsma: mapping complex traits in livestock
12:00  Melanie Bahlo: Interacting colour loci in mice
12:15  Robert Di Nicolantonio: Physiological genomics of cardiovascular disease
12:30  Poster Session - Lunch provided

13:30  Session 11: Association studies (Chair: David Duffy)
13:30  Terry Dwyer: MC1R genotype and melanoma risk
13:40  Justine Ellis: Sex-dependent genetic association with CVD risk
13:50  Bing Yu: SNP analysis of MT3 in motor neurone disease
14:00  David Burgner: NOS2A and cerebral malaria
14:10  Ron Trent: Association studies in elite endurance athletes
14:20  Ammarin Thakkinstian: Meta-analysis of association studies
14:30  Aslihan Tolun: CFTR locus in Turkish Children with Idiopathic Bronchiectasis
14:40  Georgia Chenevix-Trench: Association of MnSOD with breast cancer
14:50  Jeremy Jowett: The BEACON gene and obesity
15:00  Afternoon Tea

15:30  Session 12: Linkage and Bioinformatics (Chair: Lyn Griffiths)
15:30  Jacinta Charlesworth: Genetics of glaucoma
POSTERS

1. Australian genome-wide search for novel breast cancer susceptibility genes. [Pupo, Newman, Hopper, Ventor, Goldgar, Trench, kConfab, Mann]

2. MTHFR and Migraine risk. [Lea, Sundholm, Ovcaric, Griffiths]

3. Associations with alcoholism and dementia [Foley, Dodd]

4. Association of TNF with IBD [O’Callaghan, Cavanaugh, Cavanaugh]

5. CGH-directed Linkage in Tasmanian prostate cancer families [McKay, Stankovich, Easteal]

6. Blood pressure variation [Cui, Hopper, Harrap]

7. Blood pressure and BMI [Cui, Hopper, Harrap]

8. T2D and obesity [Curran, Jowett, Blangero]

9. Candidate gene analysis for T1D [Tabone, Morahan]

10. Migraine and DNA pooling [Johnson, Griffiths]

11. LD analysis of SNPs in Norfolk Island [Bellis, Griffiths]


13. The severity of both atopic and nonatopic asthma in children is associated with \( il12b \) polymorphism [Huang et al.]

14. Twins and Epilepsy: Analysis of Acquired Factors. [Connellan, Torn-Broers, Milne, Hopper]

15. Joint Linkage and association analysis of Triplet Repeat Markers and IQ [Hine, Wright, MJ, Luciano, M, Martin, NG]