

Functional Genomics, Gene Expression and Proteomics
University of Otago Major Research Theme
First Annual Symposium
23-24 November 2000 Biochemistry Seminar Room 228

Thursday 23 November

Chair: Mike Hubbard

- 2.00 pm Welcome Warren Tate (Theme Director)
- Dr Stuart Cordwell, Australian Proteome Analysis Facility, Sydney
 “Proteomics: facts, fictions and applications”
- 2.40 pm David Markie, Department of Pathology
 “Yeast two hybrid analysis in complex genomes”
- 2.50 pm Sigurd Wilbanks, Mira Amer, Sarah Clark and Stuart McInnes,
 Department of Biochemistry
 “Structural studies of molecular chaperones”
- 3.00 pm Tony Merriman, Richard Hall and Marilyn Merriman, Department of
 Biochemistry
 “Deleted in colorectal carcinoma (DCC): a candidate autoimmune
 susceptibility gene on chromosome 18”
- 3.10 pm Rebecca Sharp, Department of Biochemistry
 “A synthetic peptide spanning apolipoprotein B amino acids 4372-4392
 inhibits lipoprotein(a) formation”
- 3.20 pm General Discussion
- 3.30 pm Afternoon Tea Biochemistry Reading Room

Chair: Kevin Farnden

- 4.00 pm Dr David Smyth, Department of Biological Sciences, Monash University
 “Approaching gene function through mutant phenotype: case studies from
 Arabidopsis flower development”
- 4.40 pm Richard Macknight, Jessica Armstrong, Reagan Ell and Scott Gregan,
 Department of Biochemistry
 “Studying genes involved in the control of flowering time”

- 4.50 pm Tony Ooi and Kevin Farnden, Department of Biochemistry
“Repression of the L-Asparaginase gene in N-fixing nodules of the legume/*Rhizobium* symbiosis”
- 5.00 pm Julian Eaton-Rye, Department of Biochemistry
“Cyanobacteria as a model to study photosynthesis”
- 5.10 pm Tripty Hirani, Department of Biochemistry
“Phosphate detection in *Synechocystis* sp PCC 6803”
- 5.20 pm General Discussion
- 5.30 pm Happy Hour Biochemistry Reading Room
(Cash Bar)

Friday 24 November

Chair : Mary Thompson

- 9.00 am Dr John Mattick, Institute for Molecular Bioscience, The University of Queensland, Brisbane
“The molecular genetics of type IV fimbriae and host colonisation in *Pseudomonas aeruginosa* and analysis of the *P. aeruginosa* genome”
- 9.40 am Iain Lamont, Paul Beare, Raewyn For, Lois Martin, Hamish Upritchard and Megan Wilson, Department of Biochemistry
“*Pseudomonas aeruginosa*: genomics, gene expression and proteomics”
- 9.50 am Clive Ronson, Department of Microbiology
“Acquired genetic elements present in the genome of mesorhizobia”
- 10.00 am Elizabeth Poole, Effat Askarian-Amiri, Kim McCaughan, Kent Napier, Debbie Scarlett, Daniel Wilson and Warren Tate, Department of Biochemistry
“Protein synthesis release factors and their role as decoding proteins”
- 10.10 am Joanna Risk, Deborah Knight, Sara Edwards and Antony Braithwaite, Department of Pathology
“Development and characterisation of inducible p53 cell lines”
- 10.20 am General Discussion
- 10.30 am Morning Tea Biochemistry Reading Room

Chair: Sally McCormick

- 11.00 am Aaron Jeffs, Department of Biochemistry
“Microarrays at Otago”
- 11.10 am Michael Eccles and Les McNoe, Department of Biochemistry
“Microarray analysis of changes in gene expression associated with a PAX2 mutation”
- 11.20 am Jo Stanton, Department of Anatomy and Structural Biology
“Analysis of gene expression profiles”
- 11.30 am Chris Brown, Mark Schreiber, Julia McNaughton and Grants Jacobs,
Department of Biochemistry
“Using bioinformatics to examine translational control mechanisms”
- 11.40 am Mike Thomas, Kevin Farnden and David Galloway, Department of
Biochemistry
“Secondary chemistry and speciation in the lichen genus
Pseudocyphellaria Vainio: Molecular evidence for descent by
modification through loss of trait”
- 11.50 am General Discussion
- 12.00 pm Professor Warren Tate
Discussion: Future activities of the theme
Communication
- 12.30 pm Close