

Bioinformatics Australia 2006 Conference Program

Tuesday November 21

8:00 - 8:45	Registration	
8:45 - 9:00	Conference Opening	Welcome by Bioinformatics Australia President Official opening by AusBiotech CEO
	Session 1	Comparative and evolutionary genomics
9:00 - 9:50	Plenary 1	Jenny Graves (ANU): Exploring Genomes of Australian Mammals Anthony Papenfuss: "Combining profile hidden Markov models to identify highly diverged genes"
9:50 - 10:15	Contributed talks (2)	Gowri Shanker: "Phylogenetic analysis of Cytochrome P450 structures"
10:15 - 10:30		
10:30 - 11:15	Morning tea	
11:15 - 11:45	Contributed talks (2)	B. B. Zhou: "A quartet-based algorithm for phylogeny reconstruction" Evgeny Glazov: "Discovery of novel miRNAs in bovine and chicken genomes"
11:45 - 12:45	Bioinformatics Australia: Issue Session 1	
12:45 - 2:00	Lunch	
	Session 2	Gene expression and systems biology
2:00 - 2:50	Plenary 2	Sang Yup Lee (KAIST): "Microbial Systems Biotechnology" Mark Cowley: "Genetic variation affects messenger RNA levels in a tissue specific manner"
2:50 - 3:15	Contributed talks (2)	Daniel Catchpole: "A constructionist approach to microarray data mining: Investigating cases in chronic fatigue syndrome"
3:15 - 3:30		
3:30 - 4:00	Afternoon tea	
4:00 - 4:30	Contributed talks (2)	Geoff McLachlan: "Finding differentially expressed genes in multiclass microarrays using a mixture model approach" Rohan Williams: "Finding disease related molecular machines in human liver transcriptome:"
4:30 - 5:30	Bioinformatics Australia: Issue Session 2	
	Poster session	
5:30 - 7:00	Poster session	Reception
7:00 - 11:30	Conference Dinner	

Wednesday November 22

	Session 3	Proteomics and structural bioinformatics
9:00 - 9:50	Plenary 3	Anna Panchenko (NCBI) "Annotation of protein structure and function: advances and pitfalls" Charlotte Deane (Oxford) "Protein structure age and Protein structure space"
9:50 - 10:15	Invited speaker	Edwin Ho: Characterisation of organeller proteomes: A guide to subcellular proteomic fractionation and analysis
10:15 - 10:30	Contributed talk (1)	
10:30 - 11:00	Morning tea	
11:00 - 11:30	Contributed talks (2)	Abdur Sikder: "Improving the performance of domain discovery using inter-domain linker index for protein domain boundary prediction" Conrad Burden: "Anisotropic atomic motion in proteins: Comparison of experiment with theory"
11:30 - 12:30	New South Wales Bioinformatics Consortium Session 1	
12:30 - 1:45	Lunch	
	Session 4	Bioinformatics in medicine and agriculture. Chair: CSIRO
1:45 - 2:35	Plenary 4	Frank Nicholas: "Ruminant genomes and comparative genomics"
2:35 - 3:00	Invited speaker	David Mitchell: "Translating whole genome association studies to personalized medicine: why one million SNPs are no longer an issue" Richard George: "Gentrepid: A bioinformatics system for candidate disease gene prediction"
3:00 - 3:45	Contributed talks (3)	Dave Edwards: "Sequencing the Brassica genome, comparison with the model plant Arabidopsis thaliana and application to Australian canola improvement" Antonio Reverter: "A gene co-expression network for bovine skeletal muscle inferred from microarray data"
3:45 - 4:15	Afternoon tea	
4:15 - 5:15	New South Wales Bioinformatics Consortium Session 2	
5:15 - 5:30	Conference Closing	Closure by Chair of Conference Organising Committee