

A Bio21 Cluster Symposium

COMPUTATIONAL BIOLOGY AND INFORMATICS: WHAT ARE THE POSSIBILITIES?

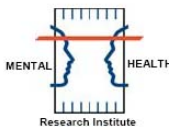
AUGUST 18 – 19 2009

BIO21 AUDITORIUM
GROUND FLOOR
30 FLEMINGTON ROAD, PARKVILLE

PROGRAM - DAY 1

TIME	TOPIC	SPEAKER
01.45– 02.15PM	REGISTRATION	
02:15 – 02:30PM	OPENING	Liz Sonenberg (University of Melbourne) – Putting it all in context
Chair – Professor Colin Masters		
02:30 – 03:15PM	PLENARY 1	Mike Hawrylycz (Allen Institute for Brain Science, Seattle) – Neuroinformatics of The Allen Brain Atlas
03:15 – 03:45PM	AFTERNOON TEA	
Chair – Professor John O’Callaghan		
03:45 – 04:05PM	PRESENTATION 1	Adam Kowalczyk (NICTA) – A DNA sequence homology atlas (bioinformatics)
04:05 – 04:25PM	PRESENTATION 2	Melanie Bahlo (The Walter and Eliza Hall Institute for Medical Research) – Computational statistical genetics (bioinformatics)
04:25– 04:45PM	PRESENTATION 3	Anne Thompson (Victorian Cancer BioBank) – High throughput analysis of cancer tissue microarrays
04:45 – 05:30PM	PLENARY 2	Sean Grimmond (IMB – Institute for Molecular Bioscience, QLD) – Next Gen sequencing : the pancreatic cancer genome
05:30 – 07:00PM	NETWORKING DRINKS AND CANAPES	
07:00PM	SPEAKERS DINNER	Matthaei Room – University House, The University of Melbourne

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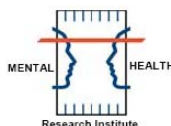
AUGUST 18 – 19 2009

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PROGRAM - DAY 2

TIME	TOPIC	SPEAKER
Chair – Professor Graham Brown		
08:30 – 09:15AM	PLENARY 3	Jan-Eric Litton (Karolinska Institute, Sweden) E-Epidemiology - adapting epidemiological research to the 21 st century
09:15 – 09:35AM	PRESENTATION 4	James McCaw (School of Population Health, The University of Melbourne) – Complex models for spread of infectious disease (comp. biomodel)
09:35 – 09:55AM	PRESENTATION 5	Tony Burkitt (The University of Melbourne) – Epilepsy and neural circuits – EEG modelling (clinical informatics)
09:55 – 10:15AM	PRESENTATION 6	Peter Ebeling (Medicine, Royal Melbourne Hospital/Western Health) – Identifying metabolomic profiles and patterns in urine samples – muscle and bone disease (clinical informatics)
10:15 – 10:45AM	MORNING TEA	
Chair – Professor Justin Zobel		
10:45 – 11:05AM	PRESENTATION 7	Brad Moffat (Radiology Royal Melbourne Hospital) – Translational imaging of biomarkers in brain tumours (Biomedical Image Analysis)
11:05 – 11:25AM	PRESENTATION 8	Ashley Buckle (Monash University) – Simulating proteins in motion
11.25 – 11.45PM	PRESENTATION 9	Michael Parker (St Vincent’s Institute) – Molecular recognition and synchrotron research (in silico drug discovery)
11.45AM – 12.30PM	PLENARY 4	Merridee Wouters (Victor Chang Cardiac Research Institute, NSW) – Importance of data mining to bioinformatics
12.30 – 01:30PM	LUNCH	
Chair – Professor Jock Findlay		
01:30 – 02:15PM	PLENARY PANEL DISCUSSION WHAT ARE THE KEY ELEMENTS FOR ACHIEVING INTERNATIONAL STANDING IN THIS AREA?	Plenary speakers, PLUS Dr John O’Callaghan (VLSCI), Dr Rob Cook (consultant), Dr Andrew Conway (scientist/entrepreneur), Professor Graham Brown
02:15 – 03:00PM	ROUND TABLE – IMAGINING THE FUTURE : NEXT STEPS FOR THE BIO21 CLUSTER	

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