School of Biotechnology And Biomolecular Sciences

Faculty of Science

UNSW THE UNIVERSITY OF NEW SOUTH WALES SYDNEY • AUSTRALIA

School of BABS Seminar series – Second Session 2009

August 5

Daniel Christ: *Group Leader, Garvan Institute of Medical Research.* After undergraduate studies in Switzerland, Daniel joined Sir Gregory Winter's laboratory at Cambridge University for his PhD. Winter had shown that in-vitro evolution technology (such as phage display) can be used for the generation of therapeutic antibodies, initiating a multi-billion dollar biotechnology industry. At Cambridge, Daniel was able to demonstrate that in-vitro evolution can be applied to molecules others than antibodies and can help to decipher the evolutionary origins of proteins. He was elected a Fellow of Trinity College (Cambridge University) at age 29. He maintains close links with industry and was involved the foundation of Domantis Ltd, (now GSK), for which he worked as a consultant for many years. Daniel joined the Garvan in 2007 to head the newly established antibody engineering lab.

TIME AND LOCATION

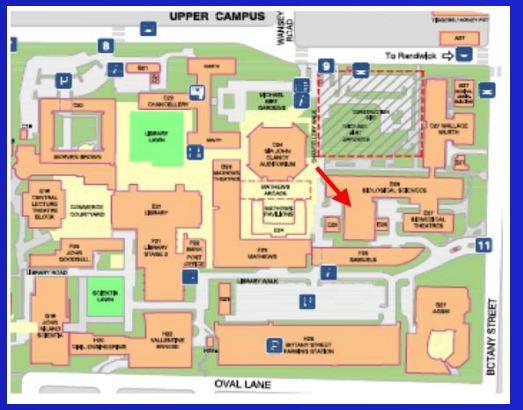
12 pm on dates (exception:10 am for Oct 22) indicated
Rountree Room, Level 3
Biological Sciences Building
UNSW

PARKING

Parking is available on campus in metered parking areas. Entry is via Gate 11 Botany St.

FURTHER INFORMATION

babs@unsw.edu.au



August 19

Min Chen. QEII fellow, *University of Sydney*. Min investigates the mechanism of photosynthesis using unique chlorophyll d in *Acaryochloris marina*. The primary goal is to advance our general understanding of the significance of chlorophylls by substitution a range of chlorophylls in binding proteins in order to test their adaptation to specific environment and to test their photosynthetic evolutionary relationships

September 9

Prof David Lambert. *Griffith School of Environment, Griffith University.* David's research has focused on aspects of evolutionary theory and evolutionary genetics. He has been interested in approaches to the estimation of evolutionary rates, as measured by changes in ancient DNA over time using modern and ancient populations of Adélie penguins from the Antarctic. His research group has also

September 23

Trevor Lithgow. *Professor, Dept of Biochemistry and Molecular Biology, Monash University, Melbourne.* Trevors' research involves work on protein targeting; how proteins are sent to their correct sub-cellular location. This fundamental process is at the heart of how cells build their intracellular membranes, and how pathogenic microbes target toxic proteins to their hosts.

October 7

A/Prof Simon George, *Dept of Earth and Planetary Sciences, Macquarie University.* Simon's research areas include biosphere, hydrocarbon and ore fluid interactions in the early Precambrian; bioremediation in cold climates; deciphering biogeochemical signatures of ancestral metazoans during the Cambrian Explosion

10am October 22

Patrick Brown. *Professor of Biochemistry at Stanford University School of Medicine.* Patrick uses DNA microarrays to watch genomes in action. He and his colleagues are systematically characterizing the genetic script that controls the expression of our genes, in healthy cells acting out their roles in normal development and physiology and in diseases