

ANU Seminar

**EVOLUTION, ECOLOGY, & GENETICS
RESEARCH SCHOOL OF BIOLOGY**

Wednesday, 27 July 2011 - 12pm



Final PhD Seminar

Prolegomena to the Populations of *Eucalyptus*: Hierarchy, Expansion, Gene Conservation and Mating System

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Eucalyptus is the most common foundation tree in Australia providing important ecological functions locally and source of income internationally. With its genome sequenced, more secrets await to be revealed by researchers. The scope of my talk will include my PhD research on *Eucalyptus globulus* and later on *Eucalyptus tricarpa* which focussed on several fundamental population attributes of these species. These include the multiple level of structures based on microsatellite markers and demographic history of *E. globulus*. The evidence of purifying selection in the key genes of terpene biosynthesis pathway, a pathway that is important in the production of the familiar *Eucalyptus* essential oil, will also be discussed. I will end the talk with a glimpse of the mating system in *E. tricarpa*.

For further info please contact:
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**Seminars are held in the Gould Wing Seminar Room, Building 116, Daley Rd, ANU
ALL STAFF AND STUDENTS ARE WELCOME TO ATTEND**