

## PhD Position in Genetics for Forecasting and Managing Biodiversity

Prof W Sherwin. Evolution and Ecology Research Centre, University of NSW Australia

We have produced new biodiversity theory, based on information theory (eg, Molecular Ecology 15:2857). The PhD student would apply this theory to a wide range of existing datasets in genetic biodiversity, using data from koalas, dolphins, flies, trees and various other species. The student would also be encouraged to further develop this theory in response to findings from the data analysis. A range of skills and interests can be accommodated. Biologists who are comfortable with first-year undergraduate mathematics would find this work rewarding. Also, applicants from a maths/physics background are encouraged, particularly if they have an interest in analytical approaches to stochastic systems including information theory.

**PROCEDURE** (1) Email letter with CV, academic record, and details of two academic referees, to Prof Bill Sherwin ([W.Sherwin@unsw.edu.au](mailto:W.Sherwin@unsw.edu.au)) +61-2-9385-2119 <http://www.eerc.unsw.edu.au/william-sherwin>

**Your letter should explain how your results are sufficient to allow application for a SCHOLARSHIP at UNSW (see below). We cannot consider other applications.** (2) Once approved, you will submit a UNSW PhD

CANDIDACY and SCHOLARSHIP Application. To be competitive for these scholarships, you will need to have completed a research degree (eg research year in MSc or BSc Honours), with results which are equivalent to 85% or higher. The current round is for citizens or permanent residents of Australia/NZ, and timing and other details are at <https://research.unsw.edu.au/how-apply-enrol-research-degree>