



Australian
National
University

Landscape Genomics for Climate Adaptation: updates from model organisms and foundation species

Thursday 14 November 2013 1pm

Justin Borevitz Associate Professor, Research School of Biology

Gould Seminar Room (Rm 235) Gould Building (Bldg. 116), Linnaeus Way, ANU



I will discuss progress on Genotyping by sequencing in several new species which is opening the door for landscape wide studies of genetic differentiation. We are also making progress on phenotyping in climate chambers that simulate regional environmental variation allowing direct measures of plasticity. Genome Wide Association Studies and Landscape Genomic based statistical approaches are then used to identify adaptive alleles and background effects on fitness traits. This allows climate adapted seeds to be directly identified as a new paradigm for conservation and restoration.

Presented by

Research School of
Biology

ANU College of
**Medicine, Biology
& Environment**

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This lecture is free and open to the public

EEG seminar information:
biology.anu.edu.au/News/events-eeeg.php

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