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UNIVERSITY OF CALIFORNIA

School of
Natural Sciences

QSB SEMINAR SERIES 291

The Conifers: Genomes, Complex Traits and Adaptation

David B Neale

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University of California, Davis

Date: 5/3/19

Time: 1:30 PM

Location: SSB 130

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ABSTRACT

This seminar will trace the development and application of technologies beginning in the 1970s to the present to dissect complex traits to their individual gene components and to use this knowledge in the genetic improvement of trees and for conservation/restoration in heterogeneous and changing environments.

BIO:

The primary research interest of this lab is the discovery and understanding of function of genes in forest trees, especially those controlling complex traits. We are focusing on SNP discovery within candidate genes and association mapping to identify alleles useful in tree breeding. A commitment to developing tree breeding technologies will not only provide better wood and paper products, but will also reduce the need for harvesting of natural forests.