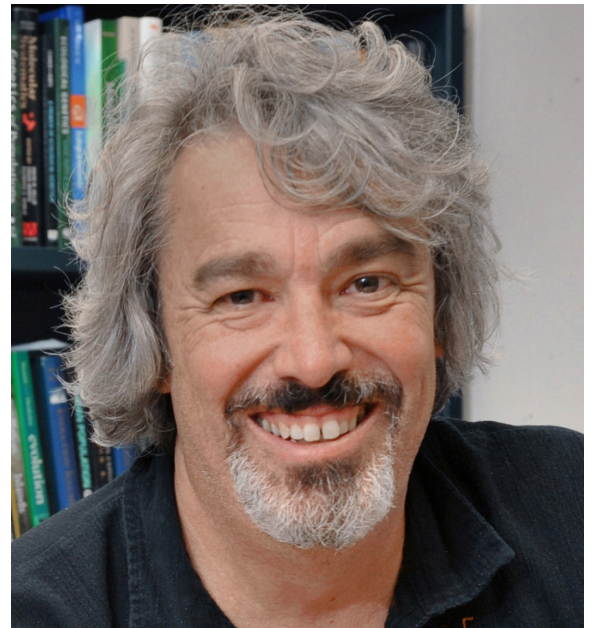


School of Biological Sciences Seminar Series

On the maintenance of adaptive genetic variation to cope with environmental change: considerations from population genomics in fishes

Species across the globe are experiencing drastic changes in environmental conditions as a result of human activities. Understanding and predicting how organisms respond to human-driven environmental change is therefore a major concern.

In this talk, I discuss several mechanisms that may enhance the maintenance of genetic variation and evolutionary potential, which have been overlooked and should be considered in future theoretical development and predictive models: the prevalence of soft sweeps, polygenic basis of adaptation, balancing selection and transient polymorphisms, parallel evolution, as well as epigenetic variation.



Dr Louis Bernatchez
Laval University,
Quebec



Friday 10th March
3:00pm | Room 139 Goddard

biolhospa@uq.edu.au