

# BIG seminar 2011-2012

Biology and integrative genomics

**Monday,  
4 June  
17h**



**Dolph Schluter**  
University of British Columbia

« Genetic signature of adaptive peak shift in stickleback »

My talk will describe our recent efforts to use genetic studies of adaptation in threespine stickleback to aid our understanding of natural selection's role in phenotypic evolution. We tested whether the genetics underlying evolution of body shape in wild stickleback populations conform to a prediction of Fisher's model of adaptation to a new environment. We tested a mechanism of bony armor evolution by measuring the effects of natural selection on its major underlying gene.

BIG is an initiative of the Faculty of Biology and Medicine,  
University of Lausanne. It is organized by Uta Paszkowski,  
Laurent Keller, Henrik Kaessmann and Jan Roelof van der Meer.  
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