IBI SEMINAR

“Investigating the Genomics of Adaptation through Experimental Evolution”

Wednesday – October 17, 2012 – 10:15 a.m.
EPFL – room SV 1717a

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host: Prof. J. Jensen

Abstract
Experimental evolution is a powerful tool for elucidating the principles of natural selection and, when coupled with next-generation sequencing (NGS), can give substantial insight into the genetic mechanisms of adaptation. I will discuss recent work on the genomics of pathogen adaptation, focusing on bacterial adaptation during simulated chronic infection of the cystic-fibrosis lung. Additionally, I will suggest that further advances can be made by employing experimental evolution and NGS in an explicitly hypothesis-testing, rather than descriptive, framework.

See current IBI seminar calendar at http://ibi.epfl.ch/page-26291.html