



Promotionsprüfung / Thesis Defence

Fall semester 2015/2016

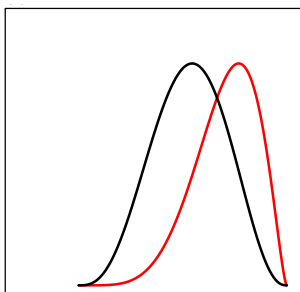
Date: **Monday, 07.09.2015**
Public presentation: **15:00-16:00**
Place: **Uni Irchel Seminarraum Y34-J-01**

Effects of temperature on the population dynamics, biotic interactions, and diversity of freshwater protists

Speaker: **Marco Plebani**
IEU
Host: Prof. Dr. Owen Petchey

How general and predictable are the ecological effects of temperature, and how are they modulated by biotic and abiotic variables such as habitat type and local adaptation? I addressed these questions using ciliates as study organisms, both in microcosm systems and in the field. I used laboratory-based experiments to address the following questions: does temperature interact with the size of habitats in affecting community dynamics? Does local adaptation modify the way populations respond to temperature changes? Moreover, I studied the natural ciliate communities of a geothermal stream network to assess the role of temperature and substrate type on ciliate diversity and on their body size.

population dynamics parameter



Temperature

