



NIMBioS

National Institute for Mathematical
and Biological Synthesis

“Climate change and how we got the biota we have today”

Dr. Mark McPeck*
David T. McLaughlin Distinguished
Professor of Biological Sciences
Dartmouth College

*NIMBioS Postdoctoral Fellows Invited Distinguished Visitor

Tuesday, March 8, 2011
3:30 p.m.**, Room 403, Blount Hall, 1534 White Ave.

*Most ecological and evolutionary theory, even theory built on stochastic dynamics, is formulated for an unchanging environment. However, the history of the Earth is one of continuous climate change, and radical change at that over the past few million years. In his talk, Dr. Mark McPeck will explore these issues and illustrate them using his work on the adaptation and diversification of *Enallagma damselflies* in North America over the past 15 million years. Periodic climate change over the Pleistocene has continually caused communities to disassemble and the reassemble in different places on the continent. This disassembly/reassembly cycling seems to have driven the diversification of this clade, with unexpected ecological and evolutionary consequences. Given this, Dr. Mark McPeck will argue that current ecological and evolutionary theory is not built for the biota we now have on Earth to study.*

****Join us for refreshments in the NIMBioS Lobby on the 4th floor at 3 p.m.**