NIMBioS
National Institute for Mathematical and Biological Synthesis

"Hybridization, species collapse, and other strange stories"

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Tuesday, November 23, 2010
3:30 pm*, Room 403, Blount Hall, 1534 White Ave.

There are now a number of well-studied cases in which pairs of incipient species have collapsed into hybrid swarms. It has been hypothesized that such collapses may occur when an environmental disturbance weakens the pre-mating barriers to reproduction between species. Gilman uses individual-based models to investigate the conditions under which this mechanism might lead to species collapse and to predict the long-term evolutionary outcomes of such collapse events. Gilman will also address the mechanisms that underlie the forward process of adaptive speciation and will briefly discuss speciation probabilities when disruptive selection occurs in one or more than one ecological dimension.

Join us for refreshments in the NIMBioS Lobby on the 4th floor at 3 pm.

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