

Boston University Physics Colloquium



When statistical physics meets with evolution: Insights into the complex adaptivity to Creation's main stimuli -- sex and food

Animals live in spatially and temporally complex, structured environments. Their waking hours are consumed by searching for food, hosts and mates, all the while seeking to avoid predators. We will see how statistical physics can provide new insights into the origins of animal behavior, through the interplay with the complexity of both abiotic and biotic patterns, and an assessment of the differences between innate and acquired behavior. We will illustrate these concepts by discussing the behavioral flexibility of marine invertebrate and to the trade-offs between two of the Creation's main stimuli: sex and food.

Laurent Seuront

Laurent Seuront, Flinders University, Adelaide, Australia; South Australian Research and Development Institute, West Beach, Australia

December 8, 2009 (Tuesday) at 3:30pm
SCI 107, Metcalf Science Center, Boston University
Call: Winna Somers (wsomers@bu.edu) (617) 353-9320
Host: H. Eugene Stanley