“Insect and microbial semiochemicals: Functional molecules for controlling public health pests”

Coby Schal, Ph.D.
Blanton J. Whitmire Professor
North Carolina State University

When: Tuesday, January 26, 2010, 5:00 p.m.
Where: Cook Campus Center MPR A, B, & C
59 Biel Road, New Brunswick, NJ

Dr. Coby Schal, a former faculty member of the department of entomology at Rutgers University, is currently the Blanton J. Whitmire Professor of entomology at North Carolina State University. Dr. Schal’s research program centers around four basic themes: urban entomology, insect behavior, chemical ecology of insects, and insect physiology. He examines the biology and integrated management of urban pests, with emphasis on cockroaches; the chemical ecology, especially pheromone-mediated communication in cockroaches and develops tools for monitoring pest populations; the biology of cockroach allergens and mitigation strategies to reduce environmental allergen concentrations; cuticular hydrocarbons: biosynthesis, hemolymph transport, role in behavioral interactions; the behavioral endocrinology and regulation of the cockroach corpora allata and juvenile hormone production; monitoring insecticide resistance in field-collected cockroaches; and sexual selection and mating tactics in pest and tropical cockroaches.

Dr. Schal always maintains collaborations with several laboratories through examining the evolution of pheromone communication in moths, the presence and use of oviposition attractants in mosquitoes, the population genetics of cockroaches and bed bugs, and nestmate recognition in ants.

* Those who have a New Jersey Pesticide Applicators License can receive two 7A credits by attending.

RSVP by January 20, 2010, to 732-932-2000, ext. 4205, or discovery@aesop.rutgers.edu