

SEMINAR SERIES 2017

Dr. Jessica Ware

Distinguished Diversity Speaker

Rutgers University



Insects are diverse and abundant, with complex ecological and evolutionary histories. We use genomic and phenomic tools to reconstruct robust phylogenies of Dictyoptera (termites, cockroaches and mantises) and Odonata (dragonflies and damselflies). Understanding the systematics of Dictyoptera allows us to test the drivers of diversification in the termites, social myopic roaches, which diverged prior to the evolution of Angiosperms. Reconstructing phylogenies of Odonata, which are colourful, acrobatic predators, are useful in our studies of flight and reproductive behaviors. Here I present data from population level, family level and ordinal level systematics work, to fit the evolution of these charismatic insects into our larger transcriptomic studies of Insect evolution.



Dragonfly and Dictyoptera systematics: Understanding insect evolutionary histories using molecular and morphological tools

18 April, 2017

3:45 PM

The Hancock Room,

The Oread Hotel

