



ses

school of environmental sciences

The Research Seminar Presentation by

Gustavo Borges Ferro

will be held on

Wednesday March 30, 2016

At 10:45 am

ALEXANDER HALL 337

Title: Systematics and review of Taeniapterini (Diptera: Micropezidae).

Abstract

Micropezidae is a group of medium-size flies (5-17 mm length) with at least 700 species described in the world. They often resemble ants or wasps and exhibit some fascinating behaviours in nature such as mating aggregation, transfer of regurgitated fluids between male and female and stereotypical mating movements. Although they present remarkable features which constantly draw the attention of plant and animal ecologists, species in this group are still essentially unidentifiable. In this work, revisionary taxonomy and a phylogenetic approach will be used to provide a better understanding of the tribe Taeniapterini in Micropezidae. To obtain characters needed to distinguish species and redefine genera, methods will involve the use of external and internal (male and female terminalia dissections) morphology and DNA. With this approach, I expect to recognize new species, improve species and genera determinations and provide a better classification of the group. The results of this study will aid the development of further studies in their biology, ecology and zoogeography.

Everyone is welcome to attend

(This is a Research Proposal presentation by students in ENVS*6900)