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## **RESEARCH COLLOQUIUM SERIES**

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## **OF ANTS AND BEETLES:**

### **INTERACTIONS OF TWO GROUND-DWELLING PREDATORS**

Increased anthropogenic impacts on natural ecosystems have intensified interest in detecting changes in affected areas' natural ecology and native biodiversity. Many insect groups have been discussed as potential biological indicators for monitoring such impacts due to their abundance, ubiquity, and diversity. Being relatively taxonomically and ecologically well studied and easily sampled, ground beetles (Coleoptera: Carabidae) have received emphasis as a potential indicator group. Carabids and ants (Hymenoptera: Formicidae) may occupy overlapping guilds, however, and potential interactions of foraging ants and carabids may influence interpretation of disturbance effects on carabid assemblages. We studied ants and carabids in anthropogenically disturbed habitats to assess the potential effects of ants on the abundance and species assemblages of carabids in central British Columbia. Inferences from these studies indicate that ants may play an important role in determining the composition and abundance of carabids.

**Friday**

**Sept 23, 2011**

**3:30 - 4:30**

**LECTURE THEATRE**

**7 - 158**