

Wintersemester 2011/12

Gebäude NW I
Hörsaal H12

BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung

Donnerstag 20.05.2010, 17:00 Uhr, H12

Anschließend Postkolloquium mit Bier und Brezeln im Foyer H6

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Tierökologie I, Universität Bayreuth

Ecologically important traits mediated by bacterial endosymbionts

Bacterial symbionts play a prominent role in insect nutritional ecology by aiding in digestion of food or providing nutrients that are limited or lacking in the diet. Thereby endosymbionts open niches to their insect host that would otherwise be unavailable. Currently several other ecologically relevant traits mediated by endosymbionts are being discovered, ranging from enhanced parasite resistance, enhanced heat-tolerance or influences on insect-plant interactions such as manipulation of plant physiology to the benefit of the insect. Such predominantly vertically transmitted endosymbionts contribute to the heritable genetic variation present in a host species. Therefore, the holobiont, (i.e. the host including all symbionts) should be regarded as the unit of selection.

Die Vortragsreihe ist eine interdisziplinäre Plattform zur Information und Diskussion für Studierende, Forschende und Lehrende

Gäste sind herzlich willkommen