

Wintersemester 2011/12

Gebäude NW I  
Hörsaal H12

## BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung

Donnerstag 15.12.2011, 17:00 Uhr, H12

Anschließend Postkolloquium mit Bier und Brezeln im H12

### Prof. Dr. Stefan Schuster

Department of Animal Physiology, University of Bayreuth

# Prey catching in archerfish

Archerfish impress with one of nature's most remarkable hunting techniques: they down aerial prey with a precisely aimed jet of water fired over considerable distance. I will briefly discuss ecological constraints for being successful with this hunting technique and argue, that a large number of abilities must come packaged with their hunting technique. I will briefly introduce some of them and then will focus on a behavior in which a surprisingly small network of a few neurons performs a complex decision at outstanding speed.

These findings open up exciting new approaches on how decision-making networks are tuned to environmental laws.

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

Gäste sind herzlich willkommen