

Wintersemester / Winter Term 2012-2013

BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung
Lectures in Ecology and Environmental Research

Donnerstag 13.12.2012, 17:00 Uhr, H6

Anschließend Postkolloquium mit Bier und Brezeln im Foyer H6

Dr. Alfons Weig

Koordinator DNA-Analytik und Ökoinformatik, Universität Bayreuth

Metagenome analyses of environmental samples

Biological systems are interconnected and interdependent to each other and to a variety of biotic and abiotic factors. Research projects at various scales and complexities investigate such systems also by addressing the following questions:

- Who is there (biodiversity)?
- What are they doing (function)?
- How do they respond to changing conditions (dynamics)?

These questions can be addressed by a variety of analysis methods mainly on the genome and the transcriptome level. Fragment analysis, microarray techniques, and next-generation sequencing are the most prominent analysis platforms applied in life science research and the key to success often lies in a sophisticated combination of the various platforms. This colloquium will present an overview of the analysis platforms available in our lab with special focus on scalability and analysis depth.

Do. / Thu. 17 st
Gebäude / Building
GEO
Hörsaal / Lect. hall
H6

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

Gäste
sind herzlich
willkommen

*The lectures serve
as an inter-
disciplinary
platform for
students, junior
and senior
scientists.*

*Guests
are cordially
invited!*