

Invitation for the course

Introduction to Ecometabolomics for Ecologists

27.8.2018-31.08.2018 iDiv, Leipzig

Who is this course addressed to?

This course is addressed to all PhD students and PostDocs who are interested in performing or already plan to implement metabolomic analysis for their ecological and biodiversity research.

What does the course offer?

The course will provide an overview about the application of metabolomics in ecological and biodiversity research. We will explore the tools and approaches that are used to obtain, process and analyse metabolomics data.

Lecture

- "Applications of metabolomics in ecological and biodiversity research"
- "Tools and approaches to process and analyze metabolomics data"

Hands-on

- Sampling, Sample preparation, Measurement
- Metabolomic Data Analysis

Discussion

- Critical discussion of metabolomic datasets
- Case studies

What will I gain?

After completing the course, you will have the necessary skills to **design a metabolomics experiment** and apply bioinformatics software to carry out the basic steps of **data analysis**. Moreover, you should be able to identify factors that impact upon subsequent analysis. (For yDiv-Members 2 ECTS credits)

Where will the course take place?

The course will take place in the iDiv Institute for biodiversity research in Leipzig, Germany. For the different parts of the workshop we will be in the seminar rooms of iDiv, the laboratories of the Molecular interaction group and the green house (botany garden).

Where can I apply?

For Application please contact: Henriette.uth@idiv.de. Please add a short motivation letter, why you want to take part at this course and what you expect to learn. Furthermore we award 2 **grants for covering traveling and hotel costs**. Don't hesitate to contact Henriette Uthe for further Information as well.

Deadline for application: **01.07.2018**

See you in Leipzig !



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