

PhD course

## Enzymes in Lignocellulose Hydrolysis

5 ects

**May 16-24, 2011**

Viikki Campus, University of Helsinki, Finland

The course is arranged in collaboration with  
The Graduate School for Biomass Refining

The course is *intended to students not having background in biosciences*. The course, which includes both lectures and practical laboratory work, will cover basic topics of industrial enzymes focusing on enzymes acting on cellulose. During the laboratory work the students will learn how to measure and calculate different enzyme activities and will compare the performance of different enzymes on different cellulosic substrates. The lectures will cover general topics related to lignocellulose hydrolyzing enzymes including their discovery and production. The students will also get some additional reading prior and/or during the course. There is no final exam but a learning diary is requested prior completing the course.

The course is intended mainly for PhD students. If space allows, advanced undergraduate students with a suitable background are also welcome. PhD students enrolled in the BIOREGS are given a priority. Due to the limited laboratory space, the maximum number of students is 14.

More information about the course programme will be distributed in the beginning of May.

Course organizers: Prof. Maija Tenkanen (maija.tenkanen@helsinki.fi), Dr. Sanna Koutaniemi and Aniko Varnai, Department of Food and Environmental Sciences, University of Helsinki, and Jenni Rahikainen, VTT.

**Final registration by April 29, 2011** to Satu Kirjoranta (satu.kirjoranta@helsinki.fi).