

# PhD course on Industrial Biotechnology for lignocellulose based processes

**October, 16-21 2011**

## Aim

To introduce the students to production of biofuels and other chemicals using plant cell wall materials as the raw material with emphasis on the biotechnology aspect of the production process. The course will cover raw material composition and sources, pretreatment and hydrolysis, enzymes that act on plant cell wall material, microorganisms and improvement of microorganisms for production of targeted biofuels and chemicals, the fermentation process and analytics. Lectures and exercises will be mixed. The course also includes a seminar with hot topics in the area.

The course includes a poster presentation and participants are requested to submit a poster abstract with their registration form

## Who should attend?

Students with diverse educational background with interest in industrial biotechnology and sustainable processes are the target group for the course. The course is suitable to PhD students with some background in biotechnology, chemical engineering or biochemistry. Basic knowledge in mathematics and biology is required. It is an intensive course and participants are expected to work vigorously during the course week. The course is accredited with 5 ECTS-points and the course week ends with a written exam. Reading material will be sent out on beforehand.

## Course venue

The course will be held at Chalmers University of Technology, in room 10:an at the Department of Chemical and Biological Engineering, Kemigården 4.

## Course fee

The course fee, 2.300 SEK (academics), 9000 SEK (industrialists), includes course material and all meals except breakfast. Accommodation can be arranged (more information on the registration form). Stipends will be offered for SYSINDBIO members, BIOREGS graduate school members, and HG BioFuels participants (members can contact respective organization for more information).

## Registration

Please complete the registration form and send that together with your CV, a description of half a page of your research project, poster abstract and motivation letter before 1st of September, 2011.

## Organisation

The course is organized by the Industrial Biotechnology group at the Department of Chemical and Biological Engineering, Chalmers University of Technology in collaboration with SYSINDBIO, BIOREGS and HGBiofuels.

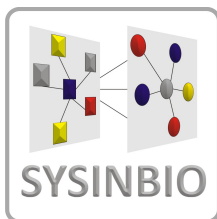
## Further information:

Further information will be announced at [www.chalmers.se/chem/EN/divisions/industrial-biotechnology/phd-course-on](http://www.chalmers.se/chem/EN/divisions/industrial-biotechnology/phd-course-on), and at SYSINDBIO and BIOREGS web-site.

or contact

Lisbeth Olsson: [Lisbeth.olsson@chalmers.se](mailto:Lisbeth.olsson@chalmers.se). tel. +46 31 772 3805 (course responsible)

Erica Dahlin: [Erica.dahlin@chalmers.se](mailto:Erica.dahlin@chalmers.se) (registration issues)



**BIOREGS**

