

Format per day:

9.30 – 12.30 Tutorials/lectures

12.30 – 13.30 Lunch


13.30 – 15.30 Preparation of case studies

15.30 – 17.30 Presentation of case studies

Targeted Participants

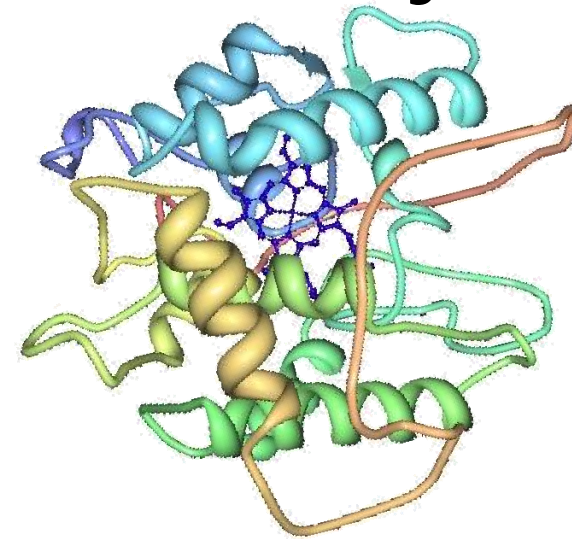
Students of at least MSc level from all NIOK-locations can participate; participants from industry are also welcome.

Registration: with the organisers, Isabel Arends (Delft) and Martin Feiters (Nijmegen), by Email to [m.feiters@science.ru.nl](mailto:m.feiters@science.ru.nl), preferably before December 15, 2010

Costs: Thanks to sponsoring by  we can offer lunch, dinner and overnight stay in Delft/Nijmegen to the first 20 registered participants. (Travel to be paid by the participants' own universities or employers.)



## 2<sup>nd</sup> NIOK Master Course in Biocatalysis



Delft, January 20-21, 2011  
Nijmegen, January 27-28, 2011



Radboud Universiteit Nijmegen



Organizing Committee:

*Isabel Arends, Ulf Hanefeld (Delft)*  
Martin Feiters, Floris Rutjes (Nijmegen)

Topics & Tutors/Lecturers

January 20 (Delft): **Enzyme Engineering/ Directed Evolution**

*Isabel Arends, Linda Otten,*  
Ron Wever (UvA)

January 21 (Delft):

**Biohybrids and Biomimetics**

*Isabel Arends, Gerard Roelfes (RUG)*

January 27 (Nijmegen):

**Enzymes in Organic Synthesis**

Floris Rutjes, *Frank Hollmann*

January 28 (Nijmegen): **(Single-Molecule) Spectroscopy**

Martin Feiters, *Fred Hagen,*  
Kerstin Blank

Learning targets:

At the end of the course, the student will have an overview of the newest developments in the area of biocatalysis; catalyst design, characterization, and synergy with homogeneous catalysis (biomimetics). In addition the student should be able to formulate his/her own research questions and be able to present his/her own research topic.

Recommended knowledge:

Organic Chemistry; Biochemistry; Catalysis; Biocatalysis or Bioconversion technology (Delft and Leiden students); Chemical Biology (Nijmegen students); Biocatalysis course (Amsterdam, Groningen, Utrecht).