

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

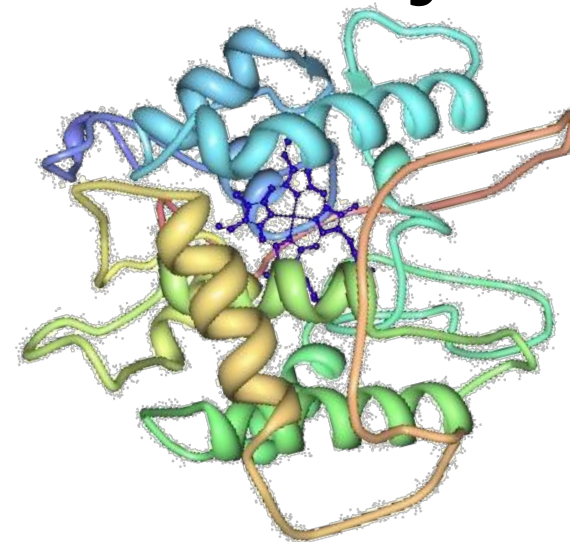
Students of at least MSc level from all NIOK-locations can participate; participants from industry are also welcome.

Registration: with the organisers, Isabel Arends (Delft) and Martin Feiters (Nijmegen), by Email to m.feiters@science.ru.nl, preferably before December 15, 2012

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.)



3rd NIOK Master Course in Biocatalysis



Delft, January 17-18, 2013
Nijmegen, January 24-25, 2013



Radboud Universiteit Nijmegen



Organizing Committee:

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

Topics & Tutors/Lecturers

January 17 (Delft): **Biohybrids and Biomimetics**

Isabel Arends, Gerard Roelfes (RUG)

January 18 (Delft):

Enzyme Engineering/ Directed Evolution

Isabel Arends, Linda Otten, Peter-Leon Hagedoorn

January 24 (Nijmegen):

Enzymes in Organic Synthesis

Floris Rutjes, Ulf Hanefeld

January 25 (Nijmegen): **(Single-Molecule) Spectroscopy**

Martin Feiters, Fred Hagen

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).