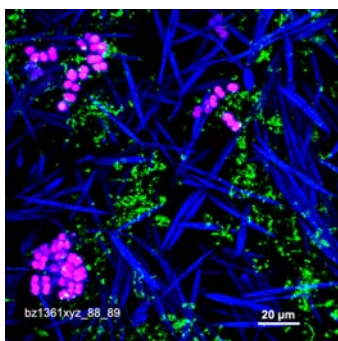
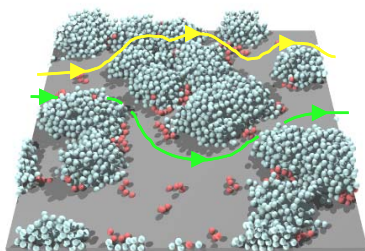


4th Advanced Biofilm Course



September 29 - October 3, 2008,
University of Copenhagen, DK



SCOPE AND KEY TOPICS

The aim of this course is to teach the combination of three major approaches in biofilm research:

1. **Microsensor techniques**
2. **Laser scanning microscopy**
3. **Mathematical modelling**

The course topics include:

- Biofilm processes, gradients, diffusion, kinetics
- Theory and practical aspects of micro-environmental analysis.
- Theory and application of laser scanning microscopy
- Digital image analysis for quantification of 3d data
- Theory and practice of biofilm modelling

The basic idea of the 5-day course is to explore a given biofilm, via microsensor measurements, laser scanning microscopy and modelling of data recorded from the same biofilm sample.

The course is intended for PhD students and post-doc researchers in microbiology, biotechnology and related areas, who are going to use this powerful approach for the characterisation of microbial biofilms.

The course evolved as a result of the EC project PHOBIA (QLK3-CT-2002-01938).



FURTHER INFORMATION

Location

Marine Biological Laboratory,
University of Copenhagen
Strandpromenaden 5,
DK-3000 Helsingør, Denmark
and
Technical University of Denmark
Lyngby, Denmark.

Staff and organizers

The course will be organised and run by:
Prof. Michael Kühl (mkuhl@bi.ku.dk)
Dr. Thomas R. Neu (thomas.neu@ufz.de)
Dr. Claus Sternberg (cst@bio.dtu.dk)
Dr. Cristian Picioreanu (c.picioreanu@tudelft.nl)
Prof. Harald Horn (horn@bv.tum.de)

Registration and Fees

Applications should be sent before Sept. 1st, 2008 to: Michael Kühl (mkuhl@bio.ku.dk).
The subsidised fee is 400,- € and includes course materials as well as tea/coffee breaks.
For reasons of efficiency, the course is restricted to 16 participants.

Further details can be found at:
<http://www.mbl.ku.dk/mkuhl/>



Technische Universität München

