MALMÖ UNIVERSITY
BIOFILMS - RESEARCH CENTER FOR BIOINTERFACES

MARIE CURIE ACTIONS

Chemical Recognition in Biological and Medical Applications

General information

The workshop is intended for PhD students, postdocs and young researchers, who want to learn how chemical recognition, including molecular imprinting, host-guest chemistry, coordinative chemistry, etc., can be used for biological and medical applications. Lectures will cover basic theory on molecular imprinting, host-guest materials, materials characterization, chemical synthesis, tumor biology, tissue engineering and regenerative medicine. Researchers from all fields (chemistry, physics, biology, materials science) are encouraged to join in.

P.S. Each talk will take about 30 min and another 10 min for discussion. We also provide lunch for all the participants during lunch time. Thus this workshop will provide an excellent opportunity for young scientists to communicate with senior researchers in this field in a friendly and informal environment. We thus welcome those at all stages in their career to attend what is promising to be an excellent day of science and hope to see many faces (new and old) there.

Topics

- *Biomolecules imprinted materials for biosensor and bioseperation*
- *Synthetic nanoparticles for tumor cell imaging*
- *Functional smart materials for Bio-recognition*
- *Chemical methods for biofunctionalization*

Invited Speakers and Schedule

Time	Speakers	Institute	Title
9:30-10:05	**Prof. Anette Gjörloff Wingren**	Department of Biomedical Sciences, Malmö University	**Glycan-specific nanoprobes targeting cancer cells**
10:10-10:45	**Prof. Lei Ye**	Department of Chemistry, Lund University	**Molecular recognition polymers by imprinting and click-conjugation**
10:50-11:25	**Dr. Sudhirkumar Shinde**	Department of Biomedical Sciences, Malmö University	**Synthesis and applications of urea-based oxyanionic receptors**
11:30-12:00	**Dr. Guoqing Pan**	Department of Biomedical Sciences, Malmö University	**Dynamic Biointerfaces for cell recognition**
12:00-13:00 Lunch Time			
13:00-13:40	**Prof. Bo Mattiasson**	Department of Biotechnology , Lund University	**Biosensors (Pending)**
13:45-14:25	**Dr. Alexander Ivanov**	Vitrosorb AB, Malmö, Sweden	**Macroporous cryogels as multifunctional materials**
14:30-15:10	**Prof. Börje Sellergren**	Department of Biomedical Sciences, Malmö University	**Reversible Self-assembled monolayers and their biological applications**

Date and location

5th April 2017, Forskaren 1, Per Albin Hanssons väg 35, Malmö, Sweden
Department of Biomedical Sciences, Faculty of Health and Society, Malmö University

Contacts

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Reminder： ***Limited seats! Please register by sending email to Guoqing Pan on latest 31st March!***