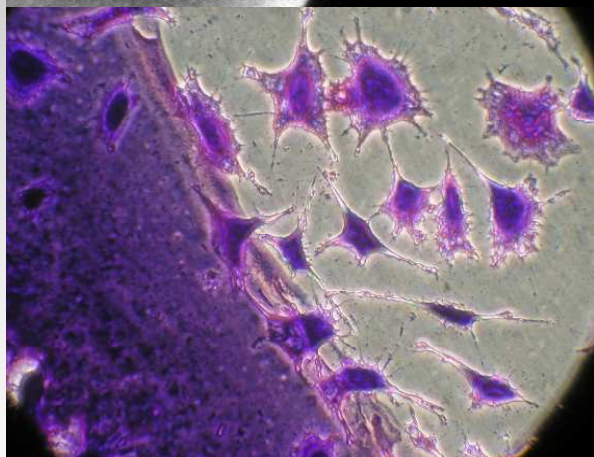
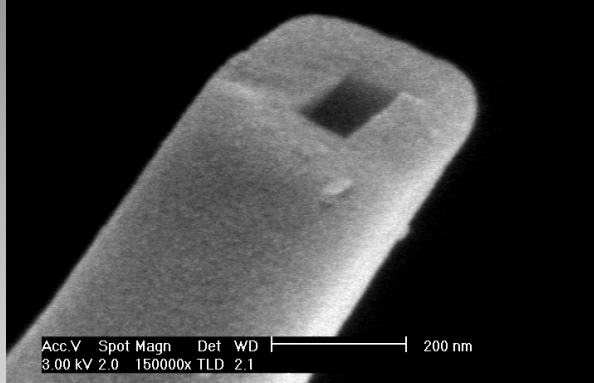
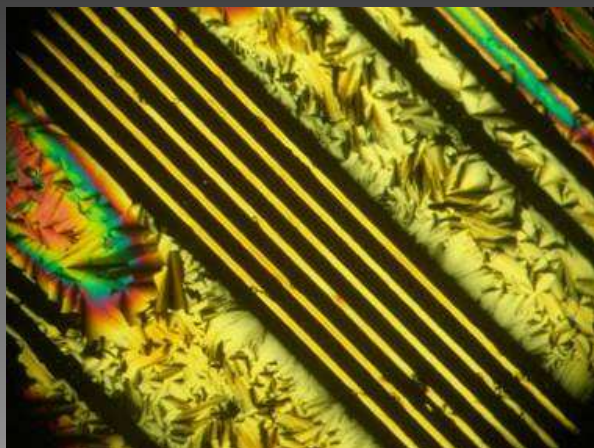


# SOMS Industrial Workshop



**Tuesday 8 January 2008**

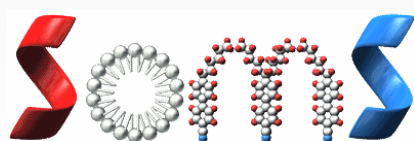
**Leeds Innovation Suite**

**Charles Thackrah Building**

*“The Technology of Molecular Self-organisation”*

*A workshop highlighting the technological opportunities offered by the most recent developments in molecular self-organisation and self-assembly research, and exploring potential applications with industrialists working in related sectors. Presentations will be given by international research leaders based at the University of Leeds, and by industrial researchers currently working on applications of molecular self organisation/assembly. There will also be opportunities for informal discussions with researchers and a tour of the SOMS laboratories.*

To register contact: Katie Moore, SOMS Secretary  
k.l.moore@leeds.ac.uk  
0113 3436453



Centre for Self Organising Molecular Systems



**UNIVERSITY OF LEEDS**

## **SOMS Industrial workshop**

### *“The technology of molecular self-organisation”*

The spontaneous organisation of molecules into well-ordered phases and the self assembly of supramolecular structures are topics which hold great scientific fascination and offer significant potential for synthesising materials with customised properties for a wide variety of commercial applications. SOMS has been carrying out pioneering research on molecular self-assembly and self-organisation for over a decade and is the only research establishment in the UK specifically dedicated to this field. Much of SOMS research has been conducted in collaboration with major chemical and pharmaceutical companies, and SOMS innovations have been adopted commercially for electronics, sensing, tribology and medical applications.

### **Outline programme**

#### **Introduction & overview of molecular self-organisation and self-assembly**

Dr. Robert W Kelsall (SOMS Centre)

#### **Self-assembled lipid membranes for biosensing and biofunctionalisation**

Dr. Lars Jeuken (SOMS / Inst. of Membrane & Systems Biology)

#### **Self assembling peptides**

Dr. Amalia Aggeli (SOMS / School of Chemistry)

#### **Modelling & simulation of self-assembly processes**

Dr. Sarah Harris (SOMS / School of Physics & Astronomy) and Dr. Stefan Auer (SOMS)

#### **Multifunctional chemical sensors**

Dr. Tim Gibson (Scensive Technologies Ltd)

#### **Molecular recognition for supramolecular assembly**

Dr. Andrew Wilson (School of Chemistry)

#### **Controlled molecular assembly: templated growth**

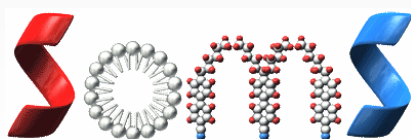
Dr. Richard Ansell (School of Chemistry)

#### **Controlled molecular assembly: photopatterning**

Prof. Richard Bushby (SOMS)

#### **Future prospects for molecular assembly**

Dr. Robert W Kelsall (SOMS)



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[www.soms.leeds.ac.uk](http://www.soms.leeds.ac.uk)