

# Study visit to København June 7-8 1999, by Forum Scientum

## **Monday, June 7**

Presentation of Medicon Valley Academy

Study visit at DAKO A/S

Study visit at Chr. Hansen A/S

## **Tuesday, June 8**

Study visit at Radiometer Medical A/S

Study visit at Leo Pharmaceutical Products A/S

Study visit at Risø forskningscenter

## **Medicon Valley**

Medicon Valley was presented by Louise W Jensen from Medicon Valley Academy. Medicon Valley incorporates the region including Copenhagen and Skåne and is one of Europe's leading centres for biotechnological, medical technical and pharmaceutical development. Medicon Valley Academy was established in 1997 with the aim to facilitate cross-border partnership between industry, investors and academia. Medicon Valley is of interest to Forum Scientum as it is a very expansive and dynamic area of R&D companies within research fields close to those of Forum Scientum.

Contact person: Louise W Jensen, email: [louise@mva.dk](mailto:louise@mva.dk), phone: +45 33 33 84 34

<http://www.mva.org/>

## **DAKO**

Different specialists told us about DAKO's production of antibodies in rabbit, recombinant antibodies in *E. coli*, application of antibodies in flow cytometry (FACS) and immunohistochemistry. The use of PNA as probes for DNA based bacterial identification was also mentioned.

Contact person: Kim Adelhorst

<http://www.dako.dk/>

## **Chr. Hansen**

Chr. Hansen A/S is a 125-year-old company within biotechnology. It started as producers of rennet (kalvløpe) for cheese production. The company develops and markets bacterial cultures, enzymes and natural flavouring additives mainly for the dairy industry. Genetic engineering has during the last years become increasingly important. They also have a division for diagnostics and vaccines against allergy.

Contact persons: Hanne Poulsen (R&D Management) ph: +45 45 74 74 74

Flemming Aamann (Company Management), Egon Bech Hansen (director of R&D),

Eric Johansen (director of R&D within genetics and metabolism)

<http://www.chbiosystems.com/>

### **Radiometer**

The research and development of sensors for the measurement of pH and blood gases was presented. In their latest instrument 15 parameters can be measured from just 95 µL of whole blood. Their sensors include classic, but miniaturised, glass electrodes, biosensors for e.g. glucose and lactose and also newly developed thick film sensors.

Contact person: Ingrid Fussing, [ingrid.fussing@radiometer.dk](mailto:ingrid.fussing@radiometer.dk)

<http://www.radiometer.com/>

### **Leo Pharmaceuticals**

Research in drug industry e.g. defeating baldness, psoriasis and cancer. They are also manufacturing heparin. After a presentation of the company history and their research a guided tour was given of their laboratories. The company will expand which will give job opportunities for PhDs in biochemistry and combinatorial chemistry.

Contact person: Erling Petersen, [erling.petersen@leo.dk](mailto:erling.petersen@leo.dk)

<http://www.leo-pharma.com/html/homepage.htm>

### **Risø forskningscenter**

<http://www.risoe.dk/>

Study visit at Risoe National Laboratory.

*Part 1: Condensed Matter Physics and Chemistry Department.*

The main activities at the Dept. were presented: studies of new polymeric materials for design of actuators and electronics as well as surface science aiming at development of bio-surfaces. Also, a new project within membrane biophysics was introduced. We had the opportunity to learn about available experimental techniques; standard surface characterisation methods and the neutron spectrometers - a European facility.

Contact person: Torben Ishøy, phone +45 4677 4720, E-mail: [torben.ishoy@risoe.dk](mailto:torben.ishoy@risoe.dk)

*Part 2: Optics and Fluid Dynamics Department* <http://www.risoe.dk/ofd/>

Main activities of interest: development, characterisation, theoretical modelling and fabrication of new optical materials for application in optical measurement systems. Also, we had the opportunity to learn about fundamental investigations of light propagation in non-linear dynamic optical media of both organic and inorganic nature. The department has also developed optical sensors for diagnostics and some of these systems were presented for us.