

## **Lars Nørgaard appointed Head of the Department of Food Science as of May 1, 2008**

### **Publications with peer review:**

M.R. Hansen, A. Blennow, S. Pedersen, L. Nørgaard and S.B. Engelsen. Gel texture and chain structure of amyloamylase-modified starches compared to gelatine. *Food Hydrocolloids* **22**:1551-1566, 2008.

T. Salomonsen, H.M. Jensen, D. Stenbæk and S.B. Engelsen. Chemometric prediction of alginate monomer composition. A comparative spectroscopic study using IR, Raman, NIR and NMR, *Carbohydrate Polymers* **72**(4): 730-739, 2008.

D.S. Nielsen, P. Snitkjær and F. vd. Berg. Investigating the fermentation of cocoa by correlating Denaturing Gradient Gel Electrophoresis profiles and Near Infrared spectra. *International J. of Food Microbiology* **125**:133-140, 2008.

M. Allesø, F. vd. Berg, C. Cornett, F.S. Jørgensen, B. Halling-Sørensen, H. Lopez de Diego, L. Hovgaard, J. Aaltonen and J. Rantanen. Solvent diversity in polymorph screening. *J. of Pharmaceutical Sciences* **97**(6):2145-2159, 2008.

### **Other Publications:**

F.H. Larsen and S.B. Engelsen. Vinanalyse med NMR-spektroskopi 1. In: Isis Kemi A. H.B. Jensen (Ed.). Systime, 72-73, 2007.

F.H. Larsen and S.B. Engelsen. Vinanalyse med NMR-spektroskopi 2. In: Isis Kemi A. H.B. Jensen (Ed.). Systime, 74-75, 2007.

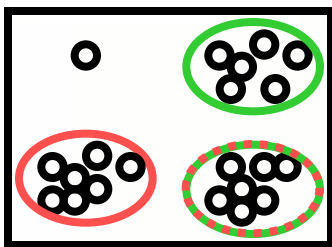
C. Varming, M.A. Petersen, T.K. Beck and Y. Ardö. Aroma profiles of different types of cheese powder. In: Recent Highlights in Flavor Chemistry and Biology; Proceedings of the 8th Wartburg Symposium on Flavor Chemistry and Biology. T. Hofmann, W. Meyhof and P. Schieberle (Eds.). Deutsche Forschungsanstalt für Lebensmittelchemie, Garching, Germany, 336-339, 2008.

T. Salomonsen, H.M. Jensen, D. Stenbæk and S.B. Engelsen. Rapid determination of alginate monomer composition using Raman spectroscopy and chemometrics. In: Gums and Stabilisers for the Food Industry 14. P.A. Williams & G.O. Phillips (Eds.). Cambridge: RSC Publishing, 543-551, 2008.

### **Media and Press:**

S.B. Engelsen, L. Nørgaard and R. Bro. Det Kemometriske Rum – PCA som eksplorativt værktøj – karakterisering af en dynamisk proces. *Dansk Kemi* 89(4): 35-37, 2008.

K. Kjeldahl and R. Bro. Simpel bioinformatik! *Mælkeritidende* 13/14:324-326, 2008.



## Ph.D. defences:

**Helene Fast Seefeldt** – Phenomic study of glucan synthesis in developing barley endosperm mutant seeds – using spectroscopy, chemometrics and spectral inspection. Supervisor: SB Engelsen - 8.5.08.

**Thomas Skov** – mathematical resolution of complex chromatographic measurements. Supervisors: R Bro & MA Petersen – 26.6.08.

## Master defence:

**Anja Niehues Birch** – Flavour release and water mobility of amyloamylase modified starch and starch/b-glucan gel systems. Supervisors: MA Petersen, MR Hansen & SB Engelsen – 13.6.08.

## Staff:

Mette Holse (May 08 – May 11) PhD student. Supervisor: Å Hansen

Stine Kreuzmann – post doc – from 1.6

## Guest Researchers:

**Manuel Álvarez Guerra** (Apr – May) PhD student from Department of Chemical Engineering and Inorganic Chemistry, University of Cantabria, Spain - developing models for prediction of toxicity responses in pollutants in sediments – with R Bro

**Carlos Cairós Barreto** (Apr - Jul) PhD student from Universitat Autònoma de Barcelona, Spain – working on image processing with JM Amigo & R Bro

**Davide Ballabio** (May) Post doc from Università degli Studi di Milano, Italy – collaboration with Manuel Álvarez Guerra

**José Manuel Prats Montalbán** (Jun) Post doc from the Multivariate Statistical Engineering Group, Technical University of Valencia, Spain – working on the prediction of quality properties by means of PLS models using multispectral images – with R Bro

## Courses:

ODIN – Introduction to Matlab – Feb 14 – F vd Berg

ODIN – Multi-way Analysis – Apr 15 – R Bro

ODIN – Variable Selection – Apr 16 – R Bro

ODIN – Batch MSPC – Apr 22 – Umetrics AB and Q & T

ODIN – Low-field NMR Analysis – May 6. 9 participants. SB Engelsen

ODIN – NIR Spectroscopy – May 7. 8 participants. SB Engelsen

ODIN – Seminar “Moving from laboratory-based NIRS to PAT – activities at the University of Córdoba” – May 8 – A. Garrido-Varo (UCO), Spain

ODIN – Design of Experiments – Jun 3-4. 19 participants. F vd Berg

## New Projects?

000 0 000