

Q&T part of the *Metabolomics* infrastructure sponsored by The National Programme for Research Infrastructure

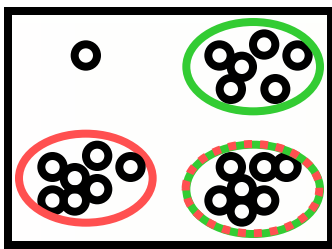
Q&T part of the interfaculty UNIK research program for lifestyle diseases: *Food, Fitness and Pharma*

Publications with peer review:

- AJ Lawaetz & CA Stedmon. Fluorescence Intensity Calibration Using the Raman Scatter Peak of Water. *Applied Spectroscopy* **63**(8):936-940, 2009.
- MM Engelsen & Å Hansen Tocopherol and Tocotrienol Content in Commercial Wheat Mill Streams. *Cereal Chemistry* **86**(5): 499-502, 2009.
- L Alvarez-Jubete, M Holse, Å. Hansen, EK Arendt & E Gallagher. Impact of Baking on Vitamin E Content of Pseudocereals Amaranth, Quinoa, and Buckwheat. *Cereal Chemistry* **86**(5):511-515, 2009.
- MR Hansen, A Blennow, I Farhat, L Nørgaard, S Pedersen & SB Engelsen. Comparative NMR relaxometry of gels of amylomaltase-modified starch and gelatin. *Food Hydrocolloids* **23**:2038–2048, 2009.
- H Winning, N Viereck, T Salomonsen, J Larsen & SB. Engelsen. Quantification of blockiness in pectins—A comparative study using vibrational spectroscopy and chemometrics. *Carbohydrate Research* **344**:1833–1841, 2009.
- T Salomonsen, HM Jensen, FH Larsen, S Steuernagel & SB Engelsen. Direct quantification of M/G ratio from ¹³C CP-MAS NMR spectra of alginate powders by multivariate curve resolution. *Carbohydrate Research* **344**:2014–2022, 2009.

Other publications:

- K Kjeldahl, T Skov, SB Engelsen, R Bro and L Nørgaard. Bestemmelse af dioxin i fiskemel ud fra fedtsyresammensætningen. *Dansk Kemi* 90(6/7):28-29, 2009.
- B Pedersen. Metabolomics er fremtiden. *Dansk Kemi* 90(8):15-17, 2009.
- L Nørgaard, SB Engelsen and R Bro. Principal Component Analysis er ofte anvendt som første skridt i den eksplorative multivariate analyse, men den finder også anvendelse i klassifikationsproblemer. *Dansk Kemi* 90(8):28-29, 2009.
- T Skov, R Bro and B Pedersen. Matematisk kromatografi. *Dansk Kemi* 90(9):18-20, 2009.
- L Nørgaard, SB Engelsen and R Bro. Sukker, fluorescens og SIMCA. *Dansk Kemi* 90(9):29-31.



MSc defence:

Maja H. Kamstrup & Lotte B. Sørensen – Process Analytical Technology in the Food and Pharmaceutical Industries. Supervisor: R Bro – 14.9.09

PhD defence:

-

Staff:

Hamid Babamoradi – (Aug 09 – Aug 12) PhD student - Quality by Design in the Food and Pharmaceutical Industries. Supervisor: Å Rinnan

Maja Kamstrup-Nielsen – (Sept 09 – Sept 12) PhD student – Metabolomics and Chemometrics. Supervisor: R Bro

Mette Holse (Sept 09 – Jan 10) is working on her PhD at Department of Food Science, Stellenbosch University, S. Africa.

Thomas Skov (Sept 09 – Jan 10) is on leave to work at Department of Food Science, Stellenbosch University, S. Africa.

Karin Kjeldahl is on maternity leave.

Mette Skau Nielsen is on maternity leave.

Guest Researchers:

Dalia Eidukonyte – (Aug 09 – Jan 10) PhD student from the Kaunas University of Technology, Lithuania. Supervisor: Å Hansen

Emils Kozlinskis – (Aug) PhD student from the Agricultural University of Latvia - working with Å Hansen

Uri Griner (Aug) Industrial contact from Tel Aviv, Israel – working on medical diagnostics with R Bro

Ainara Gredilla Altonaga (Sept – Dec) PhD student from the University of the Basque Country, Spain – Chemometric analysis of environmental data – working with J Amigo

Felicidad Franch Lage (Sept – Dec) PhD student from the Autonomous University of Barcelona, Spain – Treatment of hyperspectral imaging data – working with J Amigo

Courses:

Fødevaregrundkursus – Blocks 1 & 2. 64 participants. SB Engelsen & MA Petersen & BP Møller

Mad og Samfund – Blocks 1 & 2. 48 participants. Å Hansen & G Lerche

Multiway Analysis – PhD course - Sept 14 – Oct 2. 7 participants. R Bro

Process Design of Experiments and Optimization – Block 1. 7 participants. F vd Berg

Explorative Data Analysis/Chemometrics (Block 1) - . Å Rinnan

ODIN – Basic Chemometrics – Aug. 19-20. 20 participants. T Skov & K Kjeldahl

ODIN – Design of Experiments - Sept 16-17 – F vd Berg

000 0 000