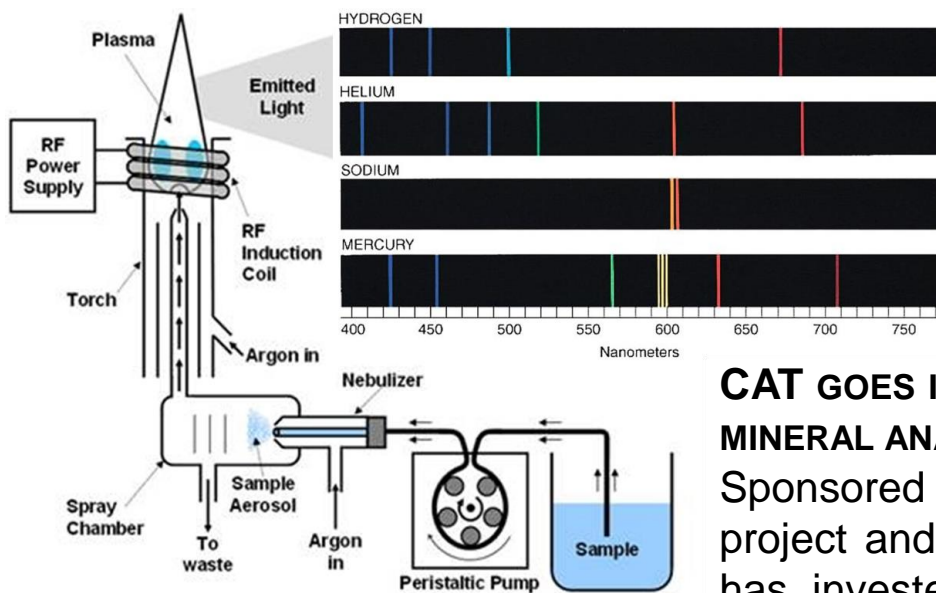


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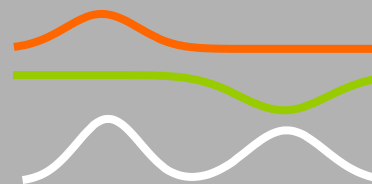
## CAT IS EXPANDING IN UNIVERSITY BSc TEACHING:

The portal BSc course of UCPH BSc in Food Science and Nutrition: **Food Production, Society and Health** (Søren) received 103 students and the new obligatory BSc course in **Food Data Analysis** (Morten) received 85 students.



## CAT GOES INTO HIGH-THROUGHPUT MINERAL ANALYSIS:

Sponsored by the REWARD project and the Department, CAT has invested in an Agilent ICP-OES instrument (Inductively Coupled Plasma - Optical Emission Spectroscopy) for the analysis of minerals in reused water streams and foods.



## Peer reviewed publications July-September 2016:

**RL Bechshøft, S Reitelseder, G Højfeldt, JL Castro-Mejía, B Khakimov, HFB Ahmad, M Kjær, SB Engelsen, SMB Johansen, MA Rasmussen, AJ Lassen, T Jensen, N Beyer, A Serena, FJA Perez-Cueto, DS Nielsen, AP Jespersen, L Holm.** Counteracting Age-related Loss of Skeletal Muscle Mass: a clinical and ethnological trial on the role of protein supplementation and training load (CALM Intervention Study): study protocol for a randomized controlled trial. *Trials*. 17, 397, 2016.

**KT Jensen, FH Larsen, K Löbmann, T Rades, H Grohganz.** Influence of variation in molar ratio on co-amorphous drug-amino acid systems. *European Journal of Pharmaceutics and Biopharmaceutics*. 107, 32–39, 2016.

**V Aru, G Sarais, F Savorani, SB Engelsen, FC Marincola.** Metabolic responses of clams, *Ruditapes decussatus* and *Ruditapes philippinarum*, to short-term exposure to lead and zinc. *Marine Pollution Bulletin*. 107, 292–299, 2016.

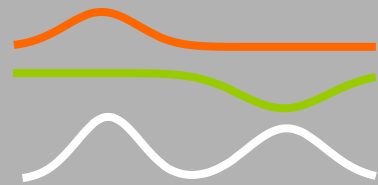
**SB Engelsen.** Near infrared spectroscopy – a unique window of opportunities. *NIR news*. 27, 14-17, 2016.

**B Khakimov, SK Poulsen, F Savorani, E Acar, G Gürdeniz, TM Larsen, A Astrup, LO Dragsted, SB Engelsen.** New Nordic Diet versus Average Danish Diet: A Randomized Controlled Trial Revealed Healthy Long-Term Effects of the New Nordic Diet by GC–MS Blood Plasma Metabolomics. *Journal of Proteome Research*. 15, 1939–1954, 2016.

**Y Cabrera, A Cabrera, FH Larsen, C Felby.** Solid-state  $^{29}\text{Si}$  NMR and FTIR analyses of lignin-silica coprecipitates. *Holzforschung*. 70, 709–718, 2016.

**B Khakimov, RJ Mongi, KM Sørensen, BK Ndabikunze, BE Chove, SB Engelsen.** A comprehensive and comparative GC–MS metabolomics study of nonvolatiles in Tanzanian grown mango, pineapple, jackfruit, baobab and tamarind fruits. *Food Chemistry*. 213, 691–699, 2016.

**FF Gouveia, JP Rahbek, AR Mortensen, MT Pedersen, PM Felizardo, R Bro, MJ Mealy.** Using PAT to accelerate the transition to continuous API Manufacturing. *Analytical and Bioanalytical Chemistry*. 1-12, 2016.



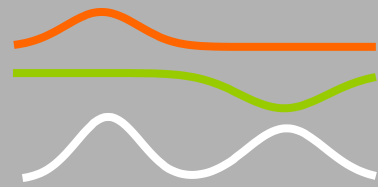
## Peer reviewed publications July-September 2016:

**A Trubetskaya, PA Jensen, AD Jensen, P Glarborg, FH Larsen, ML Andersen.**

Characterization of free radicals by electron spin resonance spectroscopy in biochars from pyrolysis at high heating rates and at high temperatures. *Biomass and Bioenergy*. 94, 117-129, 2016.

## Other publications incl. media July-September 2016:

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## **Staff:**

- Dillen Augustijn, PhD stud. 1/8-16 – 31/7-19 (supervisor Å Rinnan)
- Alessia Trimigno, DD PhD stud. 1/9 – 31/12-16 (supervisor SB Engelsen)
- Mads Glahder, MSc stud. 5/9-16 – 5/3-17 (supervisor R Bro)
- Kasper Borg Damkjær, MSc stud. 5/9-16 – 7/4-17 (supervisor KM Sørensen)
- Amy Luu, MSc stud. 25/9-16 – 5/3-17 (supervisors R Ipsen & FH Larsen)

## **Guest Researchers:**

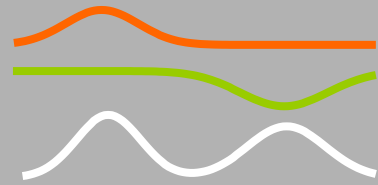
- Felix Zapata, Guest PhD stud. 15/9 – 14/12-16 (JM Amigo)

## **PhD defenses:**

- Carina Svendsen (supervisor T Skov) successfully defended her PhD thesis *On-line monitoring of fermentation processes by near infrared and fluorescence spectroscopy – Elucidating and exploring process dynamics*, September 9<sup>th</sup>, 2016

## **BSc & MSc defenses:**

- Marie Rosenberg Bak, MSc (correct supervisor T Skov): Determination of malic acid in wine by spectral evolution profiling using FT-IR. April 20<sup>th</sup>, 2016



## **Courses July – September 2016:**

### **Block 1 (September – November):**

#### **BSc:**

- Food Production, Society and Health (Fødevarereproduktion, Samfund og Sundhed) (SB Engelsen, 103 students)
- Food Data Analysis (Fødevaredataanalyse) (MA Rasmussen, 85 students)

#### **MSc:**

- Ad-hoc: Exploratory Data Analysis (Å Rinnan, 21 students (17 MSc/4PhD))
- Design of experiments and optimization (Fvd Berg, 31 students)
- Food Quality Management and Control (T Skov, 87 students)
- Fundamentals of beer brewing and winemaking (FH Larsen, 50 students)
- Lecture in: Advanced carbohydrate technologies (FH Larsen, 15 students)
- Lecture in: Food colloids (FH Larsen, 4 students)
- Lecture in: Food Consumer Research (T Skov, 35 students)
- Lecture in: Aroma and chemistry behind odour (Å Rinnan, 18 students)

#### **PhD:**

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#### **ODIN:**

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#### **New granted projects:**

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