

## Invitation to DanORC course:

# “Basic Chemometrics/Multivariate Data Analysis”

by

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**Date and time:** Wednesday November 18, 2009 from 9.00 to 16.30 at University of Copenhagen, Frederiksberg Campus.

**Background:** Chemometrics can be used to solve problems involving large amounts of data. This is relevant within many fields of interest to DanORC for exploratory analysis, fingerprinting, building multivariate regression models for predicting response etc. Chemometric methods are highly focused on visualizing data and on making it possible for all problem-owners to understand and critically evaluate complex models without having to be experts in mathematical and statistical modeling.

**Content:** In this very short course, an outline of different tools within chemometrics is given. Through examples it is shown how to do Principal component analysis - PCA, multivariate calibration - PLS, model validation, outlier detection, classification and preprocessing. Practical guidelines are given for how to perform PCA and PLS on different types of data.

The course is relevant to anyone aiming at understanding the interrelation between many variables.

Enroll by sending a mail to Rasmus Bro ([rb@life.ku.dk](mailto:rb@life.ku.dk))