



"Use of large scale data in dietary intervention studies"

3-5 September, 2016

Copenhagen, Denmark

Saturday 3.9.2016

17:00 Welcome/Fre Pepping

17:10 Opportunities and challenges of integrated large scale data in human nutrition/Chris Evelo

19:00 Informal get together and introduction to course: objectives for the course, the group assignment and division of groups with snacks and drinks /Marjukka Kolehmainen & Stine Ulven

Sunday 4.9.2016

9:00 Introduction: designs and demands of controlled dietary interventions – lesson learned/Alice Lichtenstein

10:00 Epigenomics and advances for studying gene expression – possibilities in human studies/Carsten Carlberg

10:45 Break

11:00 Metabolomics: application in human studies, lessons learned/Kati Hanhineva → non-targeted and Stine Ulven → Targeted metabolomics/Lipidomics

11:45 Lunch

12:45 Applying biomarkers for measuring whole grain intake and quality - lessons learned /Rikard Landberg

13:30 Transcriptomics in human dietary interventions. Lessons learned. Marjukka Kolehmainen/Stine Ulven

14:00 Group assignment: Groups will get different designs and aims for dietary interventions. Their assignment is to plan the use of the large scale data collection from sample taking until the interpretation of the data. Aim is to understand the demands of the applying the large scale data collection within human studies.

Monday 5.9.2016

9:00 Group assignment

12:00 Lunch

13:00 Large scale data, applications within human nutrition: how to interpret the data/what should be taken into account from the view of the bioinformatics / Carsten Carlberg

14:00 Group presentations with discussion with review panel