



Program: Special NuGO symposium-Big data in dietary intervention studies-special focus on gut microbiota and N-of-1 studies

Collaborator: Nutrition Winter School 2018 (<http://www.nutritionwinterschool.fi/>) with focus of gut microbiota

NuGO responsible organizers: University of Eastern Finland/contact: Marjukka Kolehmainen and University of Oslo/contact: Stine Ulven

Objective: to get insight of the concept of N-of-1 studies, challenges with designing the studies and data handling with special emphasis on impact of diet-gut microbiota interaction on human health.

09:15-09:45 Introduction to n-of-1 studies and large data sets in dietary intervention studies
Marjukka Kolehmainen, University of Eastern Finland and Stine M. Ulven, University of Oslo, Norway

9.45-10.30 Using big data in human intervention studies - lessons from the Food4Me Study
John Mathers, Newcastle University, United Kingdom

Coffee

11:00-11.45 Lifestyle – microbiota interactions as moderators of host metabolism
Gianni Panagiotou, Systems Biology and Bioinformatics Leibniz Institute for Natural Product Research and Infection Biology, Hans Knoell Institute Jena, Germany

11:45-12.30 Gut Microbiome and Personal glyceimic Responses-design, data analysis and methodological challenges
Nastya Godneva, Weizmann Institute of Science, Israel

Lunch

13:30-14:30 N = Me study - Possibilities and methodological challenges - Lessons learned - from self-tracking and personal nutritional status optimization using dried blood spot (DBS) biomarker analysis. A practical demonstration of DBS collection will be included.
Thomas Gundersen, VITAS, Norway

14:30-18:00 Introduction to data-analysis of large data sets + Data handling practicals
Chris Evelo, Maastricht University, The Netherlands