



Preliminary program **BBMRI Metabolomics workshop**

Tuesday January 26th 2016

LUMC, Building 1, Lecture hall 4

- 10.00:** Introduction: Metabolomics and BBMRI-NL (**Eline Slagboom, LUMC**).
- 10.30:** Data generation: Metabolomics platforms; What and how do they measure and what is the advantage of different platforms (Thomas Hankemeier, NMC and Aswin Verhoeven, LUMC).
- 11.15:** Standardising and harmonising: Standardized metabolomics in epidemiological studies (Mika Ala-Korpela, University of Oulu, Finland/University of Bristol, UK and Peter Würtz, University of Oulu, Finland).
- 12.15:** Lunch
- 13.00:** Mapping and comparing of metabolites measured with different platforms (**Kristina Hettne, LUMC** and **René Pool, VUmc**).
- 14.00:** Epidemiology: Metabolomics as biomarkers in prognostic studies of health and disease (Speakers from working groups within BBMRI-NL RP4 **Leen 't Hart, LUMC**).
- 15.00:** Break
- 15.15:** Intervention studies and challenges: Metabolomics in intervention studies (**Eline Slagboom/Marian Beekman, LUMC** and **Ko Willems van Dijk, LUMC**)
- 16.15:** Genetics: Genetic studies of metabolomics (**Ayse Demirkan, Erasmus MC**).
- 17.00:** Drinks

Wednesday January 27th 2016

LUMC, Building 1, Lecture hall 3

- 10.00:** Database: Database for metabolomics data (**Matthijs Moed, LUMC**).
- 10.45:** Bioinformatics and statistics: Network and pathway analysis of metabolomics data (**Jan van Klinken, LUMC** and **Michael Lenz, Maastricht University**).
- 11.45:** Multilevel-omics: Combining metabolomics with other omics dataset (**Erik van de Akker, LUMC**).
- 12.15:** Lunch
- LUMC, Building 1, Lecture hall 4**
- 13.15:** Hands-on workshop (**Joris Deelen, LUMC, Ayse Demirkan, Erasmus MC** and **Jenny van Dongen, VUmc**).
- QC and handling of data
 - Data analysis
 - Visualisation
 - Multivariate analyses
- 16:30:** End of workshop

