

## 2<sup>nd</sup> Danish Symposium on Metabolomics in systems biology

**August 16, 2010: 9.00 – 16.35**

**Auditorium 3.14, University of Copenhagen, Faculty of Life Sciences,  
Thorvaldsensvej 40, Frederiksberg**

Organizers: Jan H. Christensen, University of Copenhagen and Kim Larsen, Glostrup Hospital.

### Meeting abstract

Metabolomics is the systematic study of the unique chemical fingerprints that specific cellular processes leave behind - specifically, the study of their small-molecule metabolite profiles. The metabolome represents the collection of all metabolites in a biological organism, which are the end products of its gene expression. One of the challenges in [systems biology](#) and [functional genomics](#) is to integrate [proteomic](#), [transcriptomic](#), and [metabolomic](#) information to give a more complete picture of living organisms.

### Final program

09.00 – 09.30 **Registration, coffee and exhibition**

09.30 – 09.40 Welcome

*Session 1:*

09.40 – 10.20 **Jake Bundy**, Department of Biomolecular Medicine, Imperial College London, UK, "[Metabolomics of a model organism - applications with the nematode \*C. elegans\*](#)"

10.20 – 10.50 **Claus Svendsen**, Center for Ecology and Hydrology Research, Oxford, UK. "[Application of metabolomics in mixture toxicity assessments](#)"

10.50 – 11.20 **Giorgio Tomasi**, Dept. of Basic Sciences & Environment, University of Copenhagen, Frederiksberg, Denmark. "[The use of environmental metabolomics to determine Glyphosate level of exposure in rapeseed seedlings](#)"

11.20– 12.40 **Lunch and exhibition**

*Session 2:*

12.40 – 13.20 **Joachim Kopka**, Max-Planck Institute for Molecular Plant Physiology, Golm, Germany. "[GC-MS based metabolomics, databases and their applications](#)"

13.20 - 13.50 **Vera Kuzina Poulsen**, Dept. of Plant Biology and Biotechnology, University of Copenhagen, Frederiksberg, Denmark. "[Ecometabolomics of plant-insect interactions](#)"

13.50 – 14.20 **Will Allwood**, Manchester Interdisciplinary Biocentre (MIB), University of Manchester, UK. "[Multi-platform metabolomic analysis of aroma and spatial metabolite distributions in \*Cucumis melo\*](#)"

14.20 – 15.30 **Coffee break and exhibition**

*Session 3:*

15.30 – 16.00 **Francesco Savorani**, Dept. of Food Science, University of Copenhagen, Frederiksberg, Denmark, "[i-Chemometrics - effective tools for biomarker profiling](#)"

16.00 – 16.30 **Renger Jellema**, Scientist Bioinformatics, DSM Biotechnology Center, The Netherlands, "[Data fusion, does more data result in more knowledge?](#)"

16.30 – 16.35 A few final words from the organizers

**Registration on-line:** [www.biokemi.org](http://www.biokemi.org) Everybody is welcome. Registration is required.

### Secretariat and vendor contact

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