

**NuGO and SYSDIET Metabolomics workshop 2009
Detailed draft Programme:**

Tuesday 24th February 2009		
Time	Content	Speaker
11.30-13.00	Registration and lunch	
13.00-13.15	Welcome address	Ben van Ommen
13.15-14.00	Introduction - new interesting developments?	Augustin Scalbert
Session 1: Coverage of human metabolome		
14.00-14.45	Lecture – Metabolite groups in different body fluids and excreta; dependence on analytical technique	David Wishart
14.45-15.15	Short oral presentation of related posters <ul style="list-style-type: none"> • Topic: Defining the human metabolome in urine, feces, plasma and CSF 	
15.15-15.45	Tea/coffee break	
15.45-16.15	Workshop goals – establishing NuGO SOPs and common guidelines in metabolomics	John Mathers
16.15-17.15	Discussion and common guidelines <ul style="list-style-type: none"> • Could we find one golden standard to cover the whole metabolome? • The effect of foods on the metabolome • Pipelining new metabolites to databases 	
17.15-19.00	General poster display, drinks and snacks	
20.00-	Dinner at the congress center	

Wednesday 25th February 2009

Time	Content	Speaker
Session 2: MS analysis of the metabolite groups		
9.00-9.45	Lecture – how to cover the metabolite groups analytically.	Thomas Hankemeier
9.45-10.30	Lecture - Targeted profiling. Lipidomics (lipids and oxylipids in plasma and membranes)	John Newman
10.30-11.00	Tea/coffee break	
11.00-11.45	Short oral presentation of related posters <ul style="list-style-type: none">• Topic: new technologies (including targeting to certain metabolites, e.g. conjugates)	
11.45-12.30	Discussion and common guidelines <ul style="list-style-type: none">• Common standards for metabolomics• Quality control of targeted and nontargeted analysis• Standardization of quality control measures	
12.30-13.30	Lunch	
Session 3: Data extraction and data handling		
13.30-14.15	Lecture – alignment and identification tools	Matej Oresic
14.15-15.00	Lecture – elimination of batch variation in large data sets	Ivana Bobeldijk-Pastorova
15.00-15.30	Tea/coffee break	
15.30-16.30	Discussion and common guidelines <ul style="list-style-type: none">• Software strengths and limitations• Quality control of large sample sets	
17.00	Sightseeing in Copenhagen and dinning	

Thursday 26th February 2009

Time	Content	Speaker
Session 4: Statistical data analysis		
9.00-9.45	Lecture – Metabolomics data analysis – simple rules and advanced possibilities in explorative multivariate analyses	Rasmus Bro
9.45-10.30	Lecture – Chemometrics, constructing new markers from latent pattern structures	Renger Jellema
10.30-11.00	Tea/coffee break	
11.00-11.45	Short oral presentation of related posters	
11.45-12.30	Discussion and common guidelines??	
12.30-13.30	Lunch	
Session 5: Marker identification and Fingerprinting		
13.30-14.15	Lecture – Marker identification	Georgios Theodoridis
14.15-15.00	Lecture – Does fingerprinting (non-targeted analyses) have a future?	John Draper
15.00-15.30	Tea/coffee break	
15.30-15.45	Oral presentation- Oxidative stress and hypercreatinuria in liver toxicity studies	Richard D. Beger
15.45-16.15	Short oral presentations of related posters	
16.15 – 17.30	Discussion and common guidelines <ul style="list-style-type: none">• Identifying/controlling for individual factors (metabolic phenotype)• The use of targeted and non-targeted metabolite profiles	
19.00	Dinner	

Friday 27th February 2009

Time	Content	Speaker
Session 6: Biological interpretation		
8.30-9.00	Lecture - interpretation strategies based on metabolite classes	Susan Wopereis
9.00-9.30	Pathvisio – Illustration of biological pathway analysis using metabolomic data	Chris Evelo
9.30-10.15	Short oral presentation of posters	
10.15-10.45	Tea/coffee break	
10.45-11.30	Discussion and common guidelines <ul style="list-style-type: none">• Metabolites tagging metabolic pathways• The use of pathway software for metabolomics data	
11.30-13.00	Report session (15 min to each session)	
13.00	Sandwiches “to go”	