

9th June, Wednesday

13:30 – 15:00 **Registration and coffee**

SESSION I, 15:00 – 17:00

Session chair: Dr. Petri Ingman

15:00 – 15:15 **Opening words**
Dr. Pasi Soininen, University of Eastern Finland

15:15 – 16:15 **Quantitative NMR**
Prof. Ilkka Kilpeläinen, University of Helsinki

16:15 – 17:00 **Bruker news**
Dr. Dick Sandström, Bruker BioSpin Scandinavia AB

GET-TOGETHER PARTY, 18:00 – 24:00

18:00 – 20:00 **Cruise on lake Kallavesi**
M/S Queen R

20:00 – 23:00 **Smoke sauna and dinner buffet**
Jätkänkämpä Lumberjack Lodge

23:00 **First bus back to the hotel**

23:40 **Last bus back to the hotel**

10th June, Thursday

SESSION II, 9:30 – 11:00

Session chair: Prof. Jukka Jokisaari

- 9:30 – 9:50** **Conformational equilibria of 4-hydroxy-cyclohexanone esters**
Dr. Matthias Heydenreich, University of Potsdam
- 9:50 – 10:10** **Computation of anisotropic effects of amino acid side chain residues for locating the position of substrates at enzyme binding sites**
Prof. Erich Kleinpeter, University of Potsdam
- 10:10 – 10:25** **Microfluidic gas flow imaging using parahydrogen-induced polarization and remote detection NMR**
Dr. Ville-Veikko Telkki, University of Oulu
- 10:25 – 10:40** **New probes, new software from JEOL**
Product Manager NMR Peter Meadows, JEOL
- 10:40 – 11:00** **MNOVA NMR: An analytical data processing and analysis software tool for users of all levels**
Jan Nordin, Chemalys

LUNCH, 11:00 – 12:00, Restaurant Fransmanni

SESSION III, 12:00 – 14:00

Session chair: Prof. Mika Ala-Korpela

- 12:00 – 13:00** **Metabonomics-driven top-down systems biology: techniques and applications**
Prof. John C. Lindon, Imperial College London
- 13:00 – 13:30** **Quantitative metabolic profiling of early risk for atherosclerosis by serum NMR metabonomics**
Dr. Peter Würtz, University of Oulu
- 13:30 – 14:00** **Optimization of mammalian cell growth and protein expression by NMR quantification of metabolites by quantum mechanic total line shape analysis**
Dr. Nelly Aranibar, Bristol-Myers Squibb Co.

COFFEE AND POSTER SESSION, 14:00 – 15:15

SESSION IV, 15:15 – 17:00

Session chair: Prof. Reino Laatikainen

- 15:15 – 16:15** **qNMR spectroscopy against counterfeit drugs**
Prof. Ulrike Holzgrabe, University of Würzburg
- 16:15 – 16:35** **Quantum mechanical quantitative NMR**
MSc. Mika Tiainen, University of Eastern Finland
- 16:35 – 17:00** **Using quantitative 1D ¹³C and 2D ¹H-¹³C spectroscopy to analyse complex hydrocarbon mixtures**
MSc. Valtteri Mäkelä, University of Helsinki

CONFERENCE DINNER, 17:45 – 23:00

- 17:45** **First bus to the Puijo Tower**
- 18:15** **Last bus to the Puijo Tower**
- 18:30 – 22:00** **Conference dinner**
Puijo Tower
- 22:00** **First bus back to the hotel**
- 22:30** **Last bus back to the hotel**

11th June, Friday

SESSION V, 9:30 – 11:00

Session chair: Prof. Erkki Kolehmainen

- 9:30 – 9:50** **NMR metabolomics – discovering human disease**
Dr. Niko Jukarainen, University of Eastern Finland
- 9:50 – 10:10** **Possibilities of portable low-resolution NMR analyzer in water content measurements of wood fuels**
Prof. Yrjö Hiltunen, University of Eastern Finland
- 10:10 – 10:30** **Oxford 250 in Joensuu: Life and death**
Prof. Jouko Vepsäläinen, University of Eastern Finland
- 10:30 – 10:45** **Closing words**
- 10:45 – 11:00** **Meeting of the Finnish NMR Discussion Group**

LUNCH, 11:00 – 12:00, Restaurant Fransmanni