



UCL

# Institute of Cardiovascular Science Seminar Series

## Metabolomics in Large-Scale Epidemiology — New Biomarkers and Old Drug Targets

Comprehensive metabolic profiling has become feasible in large cohorts and clinical trial via high-throughput NMR metabolomics. This method quantifies numerous routine and novel blood biomarkers in one go, including lipoprotein subclasses, fatty acids, and amino acids.

The seminar will cover applications of metabolomics to assess cardiovascular event risk, molecular effects of risk factors (e.g. alcohol and obesity), as well as detailed metabolic signatures of statins and other lipid-lowering drugs. Jumps and bumps towards clinical translation will be outlined.

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Monday 17<sup>th</sup> October 2016

12:30 – 13:30

The 2<sup>nd</sup> floor Seminar room  
Rayne Building  
5 University Street, WC1E 6JF

For more information please contact:  
Natasha Makengo on 020 7679 9080

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The guest speaker for this seminar is

**Dr Peter Würtz**, Scientific Director at Brainshake Ltd and Head of Molecular Epidemiology at the Computational Medicine Research Group, University of Oulu, Finland.