

## List of papers

### Paper I:

**Andersen, M.S.**, Reinbach, H.C., Rinnan, Å., Barri, T., Mithril, C. and Dragsted, L.O. (2013): Discovery of exposure markers in urine for *Brassica*-containing meals served with different protein sources by UPLC-qTOF-MS untargeted metabolomics. *Metabolomics* 9, 984-997

### Paper II:

**Andersen, M.S.**, Kristensen, M., Manach, C., Pujos-Guillot, E., Poulsen, S.K., Larsen, T.M., Astrup, A., Dragsted, L.O. (2014): Discovery and validation of urinary exposure markers for different plant foods by untargeted metabolomics, *Analytical and Bioanalytical Chemistry*, DOI 10.1007/s00216-013-7498-5 [Epub ahead of print]

### Paper III:

**Andersen, M.S.**, Rinnan, Å., Manach, C., Poulsen, S.K., Pujos-Guillot, E., Larsen, T.M., Astrup, A., Dragsted, L. Untargeted metabolomics as a screening tool for estimating compliance to a dietary pattern. Revised and resubmitted for *Journal of Proteome Research*

## **Author contributions to the papers**

### **Paper I:**

HCR, CM and LOD designed the meal study and MSA and LOD designed the single food studies. The meal study was conducted by HCR and CM and the single food studies were conducted by MSA. Urine samples were analyzed by TB. MSA and ÅR carried out the data analysis and MSA and LOD were the main responsible for marker identification and interpretation of the results. MSA drafted the manuscript which was circulated to all co-authors for comments and approval before submission.

### **Paper II:**

SKP, TML, AA and LOD designed the study and SKP and TML conducted the study. Urine samples were prepared by MSA and analyzed by MK. Data analysis was conducted by MSA and MSA, CM, EP and LOD were involved in marker identification. The results were interpreted by MSA, CM and LOD. MSA drafted the manuscript which was circulated to all co-authors for comments and approval before submission.

### **Paper III:**

SKP, TML, AA and LOD designed the study and SKP and TML conducted the study. Urine samples were prepared by MSA. Data analysis was conducted by MSA and ÅR. Marker identification was carried out by MSA, CM, EP and LOD. The responsible for the interpretation of results were MSA, ÅR, CM and LOD. MSA drafted the manuscript which was circulated to all co-authors for comments and approval before submission.