

List of Publications

Paper 1: Mads V. Lind, Lotte Lauritzen, Henrik Vestergaard, Torben Hansen, Oluf B. Pedersen, Mette Kristensen, Alastair B. Ross. One-carbon metabolism and its association with cardiometabolic health – A cross-sectional study on the 3G cohort. *Manuscript*.

Paper 2: Mads V. Lind, Lotte Lauritzen, Oluf B. Pedersen, Henrik Vestergaard, Ken D. Stark, Torben Hansen, Alastair B. Ross, Mette Kristensen. Dietary determinants of one-carbon metabolism – A cross-sectional study. *Manuscript*.

Paper 3: Mads V. Lind, Lotte Lauritzen, Alastair B. Ross, Mette Kristensen. Whole grain intake does not affect homocysteine, s-adenosylmethionine and s-adenosylhomocysteine despite increasing intake of betaine and choline– A randomized controlled intervention trial. *Manuscript*.

Paper 4: Mads V. Lind*, David Martino*, Laurine BS. Harsløf, Zdenka O. Kyjovska, Mette Kristensen, Lotte Lauritzen (2015). Genome-wide identification of mononuclear cell DNA methylation sites potentially affected by fish oil supplementation in young infants: A pilot study. *Prostaglandins Leukotrienes and Essential Fatty Acids* 101: 1-7.

Publications not related to the PhD project:

Mads V. Lind, Otto I. Savolainen, Alastair B. Ross (2016). The use of mass spectrometry for analysing metabolite biomarkers in epidemiology: methodological and statistical considerations for application to large numbers of biological samples. *European Journal of Epidemiology*. DOI 10.1007/s10654-016-0166-2

Camilla Hoppe, Rikke Gøbel, Mette Kristensen, **Mads V. Lind**, Jeppe Matthiessen, Tue Christensen, Ellen Trolle, Sisse Fagt, Steffen Husby (2015). Intake and sources of gluten in 20- to 75-year-old Danish adults: a national dietary survey. *European Journal of Nutrition* 10:1-11.

Alastair B. Ross, Cecilia Svelander, Otto I. Savolainen, **Mads V. Lind**, John Kirwan, Jean-Philippe Godin, Ann-Sofie Sandberg (2016). A high throughput method for LC-MS/MS determination of plasma alkylresorcinols, biomarkers of whole grain wheat and rye intake. *Analytical Biochemistry* 01/2016.

Mads V. Lind*, Mia L. Madsen*, Jüri J. Rumessen, Henrik Vestergaard, Rikke J. Gøbel, Torben Hansen, Lotte Lauritzen, Oluf B. Pedersen, Mette Kristensen, Alastair B. Ross (2016). Plasma alkylresorcinols reflect gluten intake and distinguish between gluten-rich and gluten poor diets in a population at risk of metabolic syndrome. Provisionally accepted – *Journal of Nutrition*.

* Shared 1st authorship

Contributions to papers

Paper 1, 2 and 3 - 3G intervention and cross sectional studies

The author, Mads Vendelbo Lind (MVL), was involved in conducting the study and performing analysis of plasma alkylresorcinols. MVL also performed the statistical analyses and was involved in the interpretation of the data and was responsible for writing the manuscripts.

Paper 4 - The EFION study

MVL did the statistical analysis of the anthropometric, metabolic and immunological data and interpreting all the data. MVL was responsible for writing the manuscript together with David Martino and Lotte Lauritzen.