

Mette Kristensen - DTU Orbit (08/08/2016)

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Novo Nordisk Foundation Center for Biosustainability - Scientist

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Publications:

Engineering of synthetic, stress-responsive yeast promoters

Rajkumar, A. S., Liu, G., Bergholm, D., Arsovska, D., Kristensen, M., Nielsen, J., Jensen, M. K. & Keasling, J. 2016 In : *Nucleic Acids Research*. 12 p.

Publication: Research - peer-review › Journal article – Annual report year: 2016

Multiplex metabolic pathway engineering using CRISPR/Cas9 in *Saccharomyces cerevisiae*

Jakociunas, T., Bonde, I., Herrgard, M., Harrison, S. J., Kristensen, M., Pedersen, L. E., Jensen, M. K. & Keasling, J. 2015 In : *Metabolic Engineering*. 28, p. 213-222 10 p.

Publication: Research - peer-review › Journal article – Annual report year: 2015

A LC-MS metabolomics approach to investigate the effect of raw apple intake in the rat plasma metabolome

Rago, D., Kristensen, M., Gürdeniz, G., Marini, F., Poulsen, M. & Dragsted, L. O. 2013 In : *Metabolomics*. 9, 6, p. 1202-1215

Publication: Research - peer-review › Journal article – Annual report year: 2013

LC-MS metabolomics top-down approach reveals new exposure and effect biomarkers of apple and apple-pectin intake

Kristensen, M., Engelsen, S. B. & Dragsted, L. O. 2012 In : *Metabolomics*. 8, 1, p. 64-73

Publication: Research - peer-review › Journal article – Annual report year: 2012

The Effect of LC-MS Data Preprocessing Methods on the Selection of Plasma Biomarkers in Fed vs. Fasted Rats

Gürdeniz, G., Kristensen, M., Skov, T. & Dragsted, L. O. 2012 In : *Metabolites*. 2, 1, p. 77

Publication: Research - peer-review › Journal article – Annual report year: 2012

An Onion Byproduct Affects Plasma Lipids in Healthy Rats

Roldan-Marin, E., Jensen, R. I., Krath, B., Kristensen, M., Poulsen, M., Cano, M. P., Sanchez-Moreno, C. & Dragsted, L. O. 2010 In : *Journal of Agricultural and Food Chemistry*. 58, 9, p. 5308-5314

Publication: Research - peer-review › Journal article – Annual report year: 2010

NMR and interval PLS as reliable methods for determination of cholesterol in rodent lipoprotein fractions

Kristensen, M., Savorani, F., Ravn-Haren, G., Poulsen, M., Markowski, J., Larsen, F. H., Dragsted, L. O. & Engelsen, S. B. 2010 In : *Metabolomics*. 6, 1, p. 129-136

Publication: Research - peer-review › Journal article – Annual report year: 2010

Handling and describing metabolomics data more rationally

Skov, T. H., Kristensen, M., Dragsted, L., Wilcks, A. & Licht, T. R. 2009

Publication: Research › Conference abstract for conference – Annual report year: 2009

Health benefits of increased fruit intake - integrating observational studies with experimental studies on fruit health and nutrigenomics

Dragsted, L. O., Tjonneland, A., Ravn-Haren, G., Kristensen, M., Poulsen, M., Płocharsky, W. & Bügel, S. 2008 In : *Scripta Horticulturae*. 8, p. 55-69

Publication: Research - peer-review › Journal article – Annual report year: 2008

Improved synthesis methods of standards used for quantitative determination of total isothiocyanates from broccoli in human urine

Kristensen, M., Krogholm, K. S., Frederiksen, H., Duus, F., Cornett, C., Bügel, S. H. & Rasmussen, S. E. 2007 In : *Journal of Chromatography B-analytical Technologies in the Biomedical and Life Sciences*. 852, 1-2, p. 229-234

Publication: Research - peer-review › Journal article – Annual report year: 2007

Urinary excretion of total isothiocyanates from cruciferous vegetables shows high dose-response relationship and may be a useful biomarker for isothiocyanate exposure

Kristensen, M., Krogholm, K. S., Frederiksen, H., Bügel, S. H. & Rasmussen, S. E. 2007 In : European Journal of Nutrition. 46, 7, p. 377-382

Publication: Research - peer-review › Journal article – Annual report year: 2007

New and validated biomarker for intake of fruits and vegetables

Krogholm, K. S., Bredsdorff, L., Kristensen, M., Brandsaetter, A-L. & Rasmussen, S. E. 2006

Publication: Research › Sound/Visual production (digital) – Annual report year: 2006

Projects:

Synthetic biochemical pathways for efficient production of novel biofuels

Förster, J., Wordofa, G. G. & Kristensen, M.

01/12/2014 → 30/11/2017

Project

The development of Advanced Metabolite Profiling and Metabolomics Tools for use in Cell Factory Design

Wordofa, G. G., Schneider, K. & Kristensen, M.

01/12/2014 → 30/11/2017

Project: PhD

Activities:

a targeted metabolomics approach to investigate regulation of the biosynthetic pathway of melatonin in Escherichia coli

Mette Kristensen (Participant), 28 Jun 2016, a targeted metabolomics approach to investigate regulation of the biosynthetic pathway of melatonin in Escherichia coli

Activity: Participation in conference/workshop/course/seminar › Participation in workshop, seminar, course