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Education

2009-2013: PhD in LC-MS metabolomics, Aarhus University, Dept. of Animal Science, Denmark
2008: MSc in Engineering, Medical Biotechnology, Aalborg University, Denmark

Additional education

2021: University Pedagogical Program
2019: Course in PhD supervision
2019: Course in Research-based public sector consultancy

Employment record

2023- Associate professor in Applied Biotechnology and Metabolomics, Aarhus University, Dep. of Animal and Veterinary Sciences, Denmark.
2018- 2023: Researcher and Lab. manager at Aarhus University, Dep. of Animal Science, Denmark
2013-2018: Postdoc at Aarhus University, Dep. of Animal Science, Denmark
2008-2009: Research assistant at Institute of Pathology, Aalborg Hospital, Denmark

Management and committees

2020- Member of the Laboratory Committee at Dep. of Animal and Veterinary Sciences
2020-2022 Lab manager at Research Unit of Nutrition (strong laboratory competences)
2021: Member of the purchasing committee in purchase of advanced instruments

2021- Leader and organizer of PhD course: "Hands-on mass spectrometry for the analyses of minerals, amino acids, short chain fatty acids (SCFA) and other biomarkers/metabolites using quantitative and explorative techniques

2017: Leader and organizer of PhD course: "Hands-on targeted and untargeted LC-MS metabolomics with emphasis on measuring phytochemicals in plasma and urine"

<http://anis.au.dk/uddannelse/hands-on-targeted-and-untargeted-lc-ms-metabolomics/>

Research

- Product development/methane mitigation strategies
- Biorefining/extraction
- Method development for LC-MS, GC-MS, ICP-MS
- Systems biology (untargeted metabolomics)
- Multivariate Data Analyses
- Analytical chemistry
- Plants Secondary Metabolites/bioactive compounds
- Animal models (pig, rat) to study the effect of bioactive/dietary components on metabolic changes
- Impact of bioactive/dietary components such as phytochemicals, lipids and proteins on metabolic health in both animals and humans
- Epidemiological studies, breast, prostate, coloectal cancer and type 2 diabetes prognosis

Reviewer: Journal of Agricultural and Food Chemistry, Journal of Frontiers in Nutrition, Journal of Metabolomics, Journal of Proteome Research, Journal of Separation Science, Journal of Foods

Conferences

- Invited speaker at "The Power of Rye 2017", International Congress
- Invited speaker at International Congress, ESAC (Executive Seminars in Analytical Chemistry 2019, Copenhagen)
- Awarded Young Investigator Travel Grant at "Mass Spectrometry: Application to the Clinical Lab", 2017

- Oral presentations: 11
- Poster presentations: 9