

WE WOULD LIKE TO INVITE YOU TO  
MASOUMEH ALINAGHIHOSSEIN'S PHD DEFENSE:

# METABOLOMICS DATA FUSION APPLIED TO STUDY A PERI-NATAL INFLAMMATION CONDITION AND PREVENTIVE DIETARY STRATEGIES IN A PIGLET MODEL

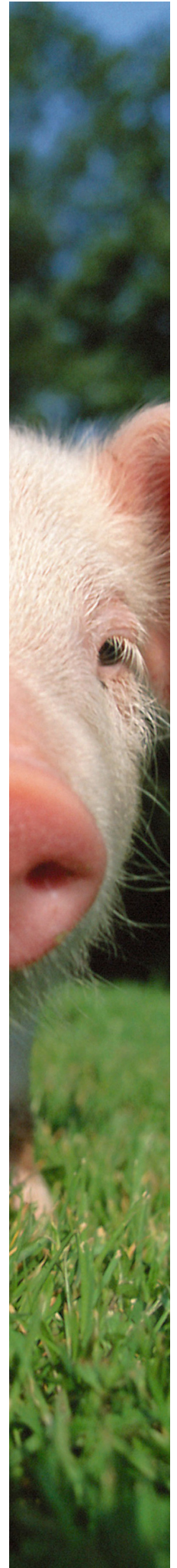
**TUESDAY 25 FEBRUARY 11.00 - 14.00**

Agro Food Park 48, 8200 Aarhus N.

The defense will be finishing with a reception

## PROGRAM

11.00-11.05	Welcome by Merete Edelenbos and Hanne Christine Bertram
11.05-11.50	Masoumeh Alinaghihossein presents the thesis entitled: "Metabolomics data fusion applied to study a peri-natal inflammation condition and preventive dietary strategies in a piglet model"
11.50-12.00	Break
12.00-14.00	Defense of the thesis. Ali Moazzami <i>Senior researcher, Department of Molecular Sciences, Swedish University of Agricultural Sciences</i> Åsmund Rinnan <i>Associate professor, Department of Food Science, University of Copenhagen</i> Merete Edelenbos (chair) <i>Associate Professor, Department of Food Science, Aarhus University</i>
14.00	Reception



# PHD PROJECT APPETIZER

## **METABOLOMICS DATA FUSION APPLIED TO STUDY A PERI-NATAL INFLAMMATION CONDITION AND PREVENTIVE DIETARY STRATEGIES IN A PIGLET MODEL**

During her studies, Masoumeh focused on using a metabolomics approach to examine piglet models and the investigation of new data analytical methods for integrative analysis of different data sets.

Masoumeh studied the effects of a dietary intervention with bovine colostrum on the attenuation of the systemic alterations in metabolism and explores a new approach for an integrative analysis of multiple biological data sets.

The new research findings show that the combined application of <sup>1</sup>H NMR spectroscopy and chemometrics provides a tool for acquiring biological understanding of the health and nutritional state using the metabolic “fingerprint” of various samples.

## **MEMBERS OF ASSESSMENT COMMITTEE**

Ali Moazzami  
Associate Professor,  
Swedish University of Agricultural Sciences,  
Uppsala, Sweden

Åsmund Rinnan  
Associate Professor,  
Chemometrics and analytical technology  
section, Department of Food Science,  
Copenhagen University, Denmark

Merete Edelenbos (chair)  
Associate Professor,  
Department of Food Science,  
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## **MAIN SUPERVISOR**

Hanne C. Bertram  
Professor,  
Department of Food Science,  
Aarhus University

## **CO-SUPERVISOR**

Johan A. Westerhuis  
Professor,  
Biosystem Data Analysis group,  
University of Amsterdam

## **LANGUAGE**

The PhD dissertation will be  
defended in English

The defense is public.  
The PhD thesis will be available for reading  
at the Graduate School of Science and  
Technology/GSST, Ny Munkegade 120,  
building 1521, 8000 Aarhus C.

