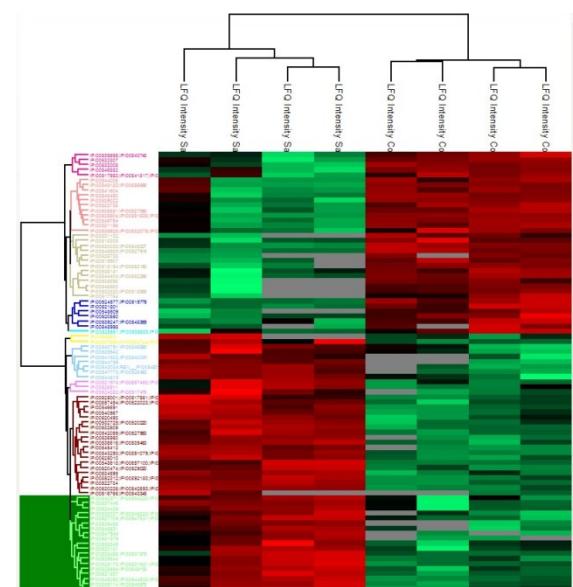
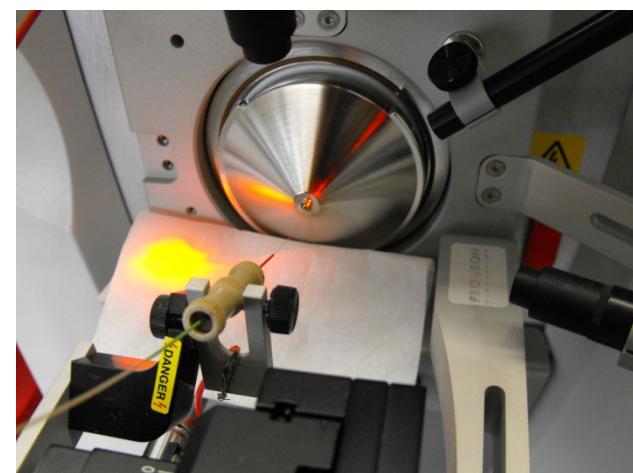
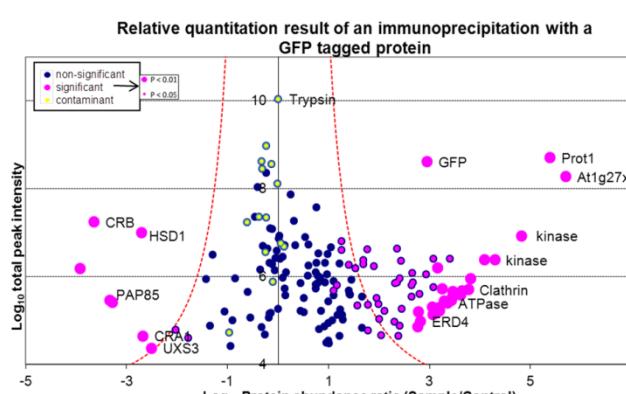


7th International Course 'Advanced Proteomics'

27-30 August 2019, Wageningen, NL

organized by the Graduate School VLAG,
in co-operation with the Laboratory of Biochemistry-Wageningen University & Research



AIM OF THE COURSE

Participants will learn 1) how to make state of the art proteomics samples 2) perform proteomic data analysis using MaxQuant 3) integrate results into biological research.

BACKGROUND

Proteomics is the study of the proteome, the set of proteins expressed in an organism. The proteome can change dramatically depending on biological conditions. Proteomics is able to capture detailed snapshots of the proteome using mass spectrometry. The rapid development in technical advances of instrumentation has led to new bioinformatics approaches. In this course the focus will be on sample preparation and data analysis.

COURSE CONTENTS

The course is a 4 days hands-on course with a maximum of 16 participants (PhD's and postdocs are the focus group). In the morning sessions lectures on mass spectrometry and proteomics applications and in the afternoon sessions practical work are scheduled. Each participant can bring their own sample as **one slice or spot** of a SDS protein 1 or 2D gel. Samples will be prepared by the participants and measured using the newest MS: Q-Exactive HF-X.

*For those people who do not have the facilities to run a protein SDS-gel in their own lab, we offer to run the gel for you in our lab. For instructions, see the website!

PARTICIPANTS

PhD candidates or Postdocs interested in this course should work on proteomics projects or plan to use proteomics in the near future and have a strong background in nutrition, biochemistry, physiology, molecular biology or a comparable discipline.

PROGRAMME TOPICS

- Sample preparation protocols
- Proteomics instrumentation
- Quantitative techniques
- MaxQuant and Perseus
- Integration of ~omics data
- New mass spectrometric tools in proteomics

COURSE LECTURERS & ORGANIZERS

Organization

Prof Jacques Vervoort & Sjef Boeren, Wageningen University & Research-Laboratory of Biochemistry

Mrs. Cornelia van Bree-Evers, Graduate School VLAG

Other faculty

Dr Tami Geiger, Tel Aviv University, IL

Dr Guido Hooiveld, Wageningen University & Research, NL

Dr Maarten Altelaar, Netherlands Proteomics Centre, NL

COURSE FEES ^{1,2}

	Fee
WU PhD candidates	300€
All other PhD candidates	550€
University staff / Non-Profit	775€
Industry / For-profit	1650€

¹ includes materials, lunches/tea/coffee and one course dinner

² For those participants we will run the gel slightly higher fees will be applied. See website for more details.

REGISTRATION AND INFORMATION

<https://www.vlaggraduateschool.nl/en/courses/course/Prot19.htm>

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