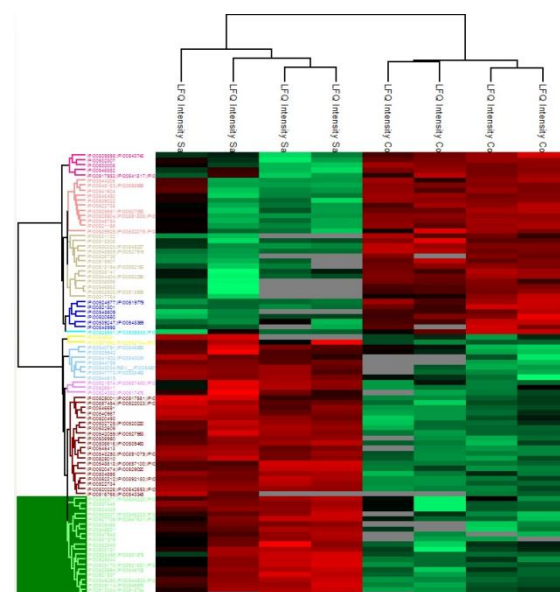
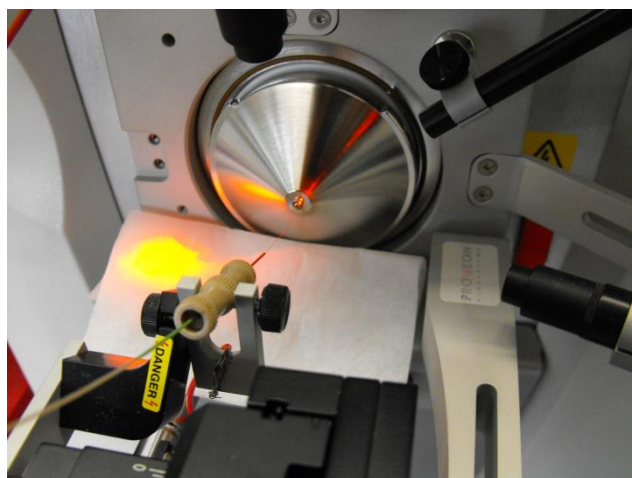
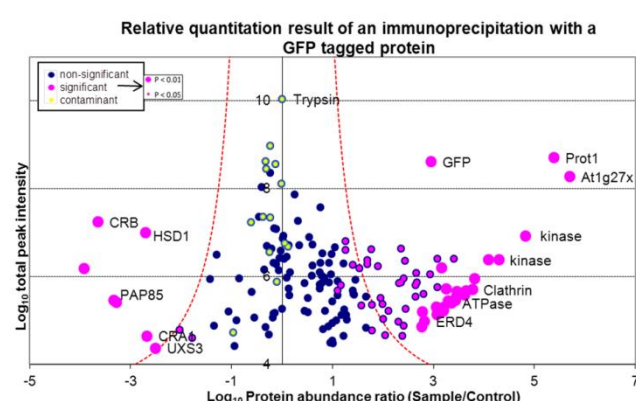


6th International Course 'Advanced Proteomics' 1-4 May 2017, Wageningen, The Netherlands

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 techniques. 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 splitless nano-LC LTQ Orbitrap XL FTMSMS.

**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 students 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. Ingeborg van Leeuwen-Bol, Graduate School VLAG

Other faculty

Dr Tami Geiger, Tel Aviv University, IL

Dr Peter van Baarlen, Wageningen University & Research, NL

Dr Maarten Altelaar, Netherlands Proteomics Centre, NL

COURSE FEES ^{1,2}

	Fee
VLAG / WU PhD candidates	275€
All other PhD candidates	500€
Postdocs, and other academic staff	750€
Participants from the private sector	1600€

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

<http://www.vlaggraduateschool.nl/proteomics.html>

For information contact:

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