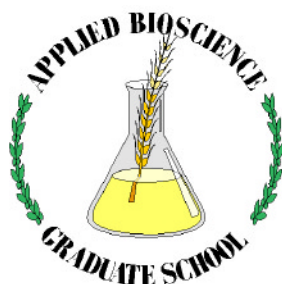


# The Light in the Intestinal Tract Tunnel

ABS - VLAG Graduate School Course

At Hotel Helka, Helsinki, Finland  
11 - 14 March, 2009



ABS Graduate School



Graduate School VLAG

## ► Background and course aim

There is rapidly increasing interest in the structure and function of the intestinal microbiota that is colonizing our body since birth. Considerable evidence indicates the involvement of the gut microbiota in health and a variety of diseases or aberrations. Moreover, the modulation of intestinal microbiota and its activity by dietary components is of great interest both from an academic and industrial perspective.

The course Light in the Intestinal Tract Tunnel aims to provide a state of the art description of the intestinal tract microbiota, including its diversity, activity and interaction with the host. More than a dozen internationally well-established speakers will introduce the subjects and provide background information.

Specific attention is given to high throughput methods for analyzing intestinal microbiota, including functional and metagenomics, proteomics and metabolomics. Moreover, interactions with the intestinal cells and use of probiotics and prebiotics will be addressed.

The course is aiming for PhD students and Post-Doctoral scientists while also non-academic participants are welcomed as ample opportunity is provided to interact with the expert speakers.

## ► Course organizer

Professor Willem M. de Vos, Helsinki FI/Wageningen NL

## ► Time and course venue

11-14 March 2009

Hotel Helka ([www.helka.fi](http://www.helka.fi)), Pohjoinen Rautatiekatu 23, Helsinki, Finland

A number of hotel rooms have been reserved at Hotel Helka for participants. The hotel is situated in the very centre of Helsinki.

## ► Course language

The course will be held in English.

## Course fee

The course fee includes printed material, lunches, coffee/tea, dinners during the course but does not include accommodation. The course fee depends on the participant's affiliation.

- ABS and VLAG postgraduate students: No participation fee
- University staff: 350 euro
- Industry participants: 700 euro

## Course completion

1.5 ECTS Cr without and 2.0 ECTS Cr with the presentation of the poster. PhD students are kindly invited to present their own work in a poster session.

## Registration by February 1st, 2009

Please, register by filling in the course application form at <https://elomake.helsinki.fi/lomakkeet/13248/lomake.html>. VLAG PhD students: please register via the course website of the Graduate School VLAG.

You will be notified before February 7th, 2009 on the acceptance of your registration and you will be sent instructions for the payment, accommodation and further information. Those PhD students who will present a poster in the poster session will be asked to send a poster abstract after the confirmation of their registration.

Cancellations may be made free of charge until February 1st, 2009. After the date the charge will be 25 % of the fee paid or due. The number of participants has been limited to 60.

## Information

Information concerning the course contents can be obtained from Professor Willem de Vos, [willem.devos@helsinki.fi](mailto:willem.devos@helsinki.fi).

For organizational matters and registration, please, contact Laila Partanen, [laila.partanen@helsinki.fi](mailto:laila.partanen@helsinki.fi).

Course information also available on the course website at [www.mm.helsinki.fi/abs/Courses/Intestinal\\_microbiota\\_2009.html](http://www.mm.helsinki.fi/abs/Courses/Intestinal_microbiota_2009.html).

# Program, 11 - 14 March 2009

## ▶ Wednesday, March 11th

### The Intestinal Tunnel

- 17.00-19.30 **Welcome & Overview**  
Professor Willem M. de Vos, University of Helsinki, FI / University of Wageningen, NL
- Inside the Intestinal Tract**  
Professor Robert-Jan Brummer, Örebro University, SE
- Human Microbiota - Approaches & Insight**  
Dr Erwin Zoetendal, University of Wageningen, NL

- 19.30-21.00 **Student Poster session**  
**Refreshments & Buffet Dinner**

## ▶ Thursday, March 12th

- 9.00-12.00 **Intestine & Microbiota Diversity**

**Model and Production Animals**  
Dr Hauke Smidt, University of Wageningen, NL

**Babies and Mothers**  
Dr Reetta Satokari, University of Turku, FI

**Microbiota of the Elderly**  
Dr Paul O'Toole, University College Cork, IE

- 12.00-13.00 **Lunch**

- 13.00-17.00 **Microbiota & Function**

**Metagenomics & Human Microbiomics Consortium**  
Dr Joël Doré, INRA, FR

**Metatranscriptomics - Ileum and Beyond**  
Professor Michiel Kleerebezem, University of Wageningen, NL

**Metaproteomics in Health & Disease**  
Professor Janet Jansson, Swedish University of Agricultural Sciences, SE / Lawrence Berkeley National Lab, US

**Metabolomics and Intestinal Microbiota**  
Dr Matěj Oresic, VTT Technical Research Centre of Finland, FI

- 17.00-18.00 **Student poster session**  
**Refreshments**

- 18.00-19.30 **Dinner**

- 19.30-20.30 **Meet the Experts**

## ▶ Friday, March 13th

### Microbiota and Abberations

- 9.00-12.00 **Microbiota in Intestinal Bowel Disease**  
Dr Joël Doré, INRA, FR

**Microbiota in Irritable Bowel Syndrome**  
PhD student Anna Kassinen, University of Helsinki, FI

**Microbiota and Immunity Abberations**  
Dr Hauke Smidt, University of Wageningen, NL

- 12.00-13.00 **Lunch**

### Intestinal Microbiota: Applications

- 13.00-16.00 **Lactobacillus-Host Interactions**  
Professor Michiel Kleerebezem, University of Wageningen, NL

**Probiotics and Functions**  
Dr Tuomas Salusjärvi, Valio Ltd, FI

**Prebiotics & Synbiotics in Intestinal microbiota**  
Dr Arthur Ouwehand, Danisco Finland, Kantvik, FI

- 16.00-17.00 **Concluding Remarks and Course Evaluation**  
**Meet the Experts**

- 17.00-19.00 **Refreshments**  
**Dinner**

- 19.00-20.30

## ▶ Saturday, March 14th

### Departure Discussion Session

- 9.30-11.30 **Probiotics and Claims**  
Professor Seppo Salminen, University of Turku, FI