

**Postgraduate Course**  
**Intestinal Microbiome of**  
**Humans and Animals**  
**14-16 October 2019**  
**Wageningen, The Netherlands**



### AIM OF THE COURSE

This course aims to provide a detailed scientific background on the mechanisms that underlie the role of the microbiome in human and animal nutrition and health. The program combines knowledge on microbial composition and function with dietary factors and health aspects in humans, laboratory and farm animals.

### COURSE DESIGN

The course consists of a number of thematic blocks that are each introduced by two lectures providing the latest scientific knowledge on the different subjects, followed by ample time for discussion and interaction of participants with each other and lecturers. Participants will be asked to provide short (2-5 min) pitches to introduce their own projects. Participants are challenged to actively contribute to discussions in interactive sessions following lectures.

### PARTICIPANTS

The course is aimed at postgraduates (MSc, PhD) with a background in animal, veterinary, (micro)biological, health, or food sciences and open for participants from both industry and universities/research centers.

### PROGRAMME TOPICS

- Patterns of microbial colonization, focus on early life and lifelong consequences
- Ecological concepts - resilience, individuality
- Microbiomes in health and disease
- From probiotics to FMT and back - perspectives for synthetic communities
- Closing the gap between in vitro & in vivo models; organoids, organs on a chip
- One health - production animals & wildlife

### COURSE LECTURERS & ORGANIZERS

- **Dr Leo Lahti**, University of Turku, FI
- **Dr Anne Salonen**, University of Helsinki, FI

**Other lecturers to be confirmed**

#### Organization

**Wageningen University & Research: Laboratory of Microbiology**

Prof. Hauke Smidt (course leader), Dr Clara Belzer,  
Dr Erwin Zoetendal

**University of Helsinki, Finland, Faculty of Medicine**

Dr Reetta Satokari

**The Graduate School VLAG**

Yvonne Smolders, MSc

### COURSE FEES

VLAG / WU PhD candidates	€ 225
All other PhD candidates	€ 450
Postdocs, and other academic staff	€ 625
Participants from the private sector	€1200

*Course fee includes downloadable materials, lunches/tea/coffee and one dinner.*

### REGISTRATION AND INFORMATION

<https://www.vlaggraduateschool.nl/en/courses/course/IMHA19.htm>

For information contact:

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