

## Postgraduate Course / Masterclass Energy metabolism and body composition in Nutrition and Health Research

Wageningen, The Netherlands, 5-7 March 2018



### AIM OF THE COURSE

- To provide a solid scientific background on aspects of energy metabolism and health at the physiological level, with particular attention for ageing
- To provide an overview of state-of-the-art in vivo methods to measure body composition and energy metabolism, with some practical experience with analysis of body composition data
- To provide the opportunity to shortly present own research(plans) in a masterclass

### COURSE DESIGN

The course consists of a series of lectures, interspersed with short presentations of recent studies performed at WUR. As part of the programme the opportunity will be provided to discuss participant's own research (plans).

The focus of this year's course is on ageing, with as keynote speaker prof. John Speakman. Participants are encouraged to apply for a short oral presentation or a pitch. An abstract should be send to Dr Marco Mensink before 1 February 2018. Six abstracts will be selected and included as part of the programme ('masterclass').

### PARTICIPANTS

The course is aimed at research professionals (PhD level) who are at the start of their career in nutritional or health sciences, or other scientists who want to become familiar with the field of Energy metabolism and Body composition in nutrition and health research. Participants should have a background in biology, medicine, food/nutritional science, or other life sciences and should have basic knowledge of human biology, physiology and nutrition.

### PROGRAMME TOPICS

Amongst others the following topics will be covered:

- Energy metabolism, mitochondrial function and health
- Energy balance and physical activity
- Methods to assess energy expenditure (e.g. Double Labeled Water (DLW), accelerometry) and body composition (e.g. kinantropometry and imaging)
- Ageing, body composition and energy expenditure
- Caloric restriction and Ageing

### COURSE LECTURERS & ORGANIZERS

#### Keynote speakers:

**Prof. John Speakman**, University of Aberdeen  
**Dr Guy Plasqui**, Maastricht University

#### Lecturers:

**Prof. Walter Gerrits & Dr Klaske van Norren**,  
Wageningen University & Research

#### Organization:

**Dr Marco Mensink & Dr Arie Nieuwenhuizen (Course directors)**, Wageningen University & Research

**Cornelia van Bree-Evers**,  
Wageningen University & Research, The Graduate School VLAG

### COURSE FEE <sup>1</sup>

VLAG / WU PhD candidates	€ 200
All other PhD candidates	€ 400
Postdocs, and other academic staff	€ 600
Participants from the private sector	€1200

<sup>1</sup> includes materials, lunches/tea/coffee and one dinner.

### REGISTRATION AND INFORMATION

[www.vlaggraduateschool.nl/en/courses/course/embc18.htm](http://www.vlaggraduateschool.nl/en/courses/course/embc18.htm)

For information contact:  
Cornelia van Bree-Evers:  
E-mail: [cornelia.vanbree-evers@wur.nl](mailto:cornelia.vanbree-evers@wur.nl)

