

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 ¹

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

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

REGISTRATION AND INFORMATION

www.vlaggraduateschool.nl/en/courses/course/embc18.htm

For information contact:
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