

## RACMEM-2017: Satellite I

# Doubly-Labeled Water: Introduction & Current Issues *Fribourg, Switzerland*

### Organisers:

*John Speakman & Dale Schoeller*

### Scientific Program

#### Friday 20th October

- 09:00 – 09:40**                      **DLW 101 a general introduction to how it works and the major resolved issues**  
*John Speakman*  
Institute of Biological & Environmental Sciences, University of Aberdeen, UK; and Institute of Genetics & Developmental Biology, Chinese Academy of Sciences, Beijing, China
- 09:40 – 10:20**                      **Practical analytical aspects and calculations**  
*Dale Schoeller*  
Department of Nutritional Sciences, University of Wisconsin-Madison, USA
- 10:20 – 10:40**                      **Quality assurance for isotope analyses**  
*Jennifer Rood*  
LSU, Pennington Biomedical Research Center, Baton Rouge, USA
- 10:40 – 11:10                      Coffee/tea break
- 11:10 – 11:30**                      **Variations in the sampling protocols**  
*Klaas Westerterp*  
NUTRIM, Department of Human Biology, Maastricht University, The Netherlands
- 11:30 – 11:50**                      **The potential issues of high water turnover**  
*Guy Plasqui*  
NUTRIM, Department of Human Biology, Maastricht University, The Netherlands
- 11:50 – 12:10**                      **Application of stable isotopes for athletes and energy imbalance situation**  
*Hiroyuki Sagayama*  
Japan Institute of Sports Sciences & Japan Society for the Promotion of Science, Tokyo, Japan
- 12:10 – 12:30**                      **Recent validation studies of IRMS and laser spectroscopy versus metabolic chamber**  
*Ed Melanson*  
Division of Endocrinology, Metabolism, and Diabetes, University of Colorado Denver, USA
- 12:30 – 12:40**                      **General Discussion**