



## DRAFT PROGRAMME

### Post-graduate course “Temperature and Metabolism: Implications for nutritional studies”

#### **Saturday 1 September 2018**

Arrival and Registration

16.50-17.00 Jaap Keijer  
Welcome

17.00-17.30 Marc Reitman  
Role of BRS-3 (Bombesin Receptor Subtype-3) in the regulation of energy expenditure and body temperature

17.30-18.00 Evert van Schothorst  
Real-time microbiota activity measurements using an extended indirect calorimetry system

18.00-18.30 Martin Klingenspor  
Meal-associated thermogenesis in brown fat and satiation

Dinner

#### **Sunday 2 September 2018**

09.00 - 9.45 Jaap Keijer  
Comparative metabolism ‘Of Mice and Men’

09.45 - 10.30 Hannah Pallubinsky  
Human thermoregulation and the human thermoneutral zone – implications for metabolic studies

Coffee Break

11.00 - 11.30 Mario Servio  
Metabolic rate in lean and obese humans

11.30 - 12.30 Mario Servio  
Demonstration

Lunch

13.30 - 14.00 Marc Reitman  
Mouse as a Model for Studying Regulation of Metabolic Rate

14.00 - 14.30 Martin Klingenspor:  
Mammalian thermoregulation and the relevance of thermoneutral temperature in animal studies

14.00 - 15.00 Evert van Schothorst  
Metabolic effects of thermoneutrality versus room temperature in mice

Group work

#### **Monday 3 September 2018**

10.00 – 12.00  
Group Presentations & discussion

12.00 - 12.20 Kathryn Burton  
NuGO Early Career Network (ECN) presentation

12.20 - 12.30 Jaap Keijer  
Summary and Conclusions

End/Lunch