

## Day 1 Wednesday July 13th

- 15:00-15:30 Registration – Coffee & Tea
- 15:30-15:40 Opening
- 15:40-17:25 **Session 1. Dissection of Sleep Phenotypes: Needs & Challenges**  
Chair: Prof. Derk-Jan Dijk
- 15:45-16:10 **Sleep and Circadian Rhythms: Intimate Relations**  
*Prof. Derk-Jan Dijk (Surrey Sleep Research Centre, University of Surrey, UK)*
- 16:10-16:35 **Homo neanderthalensis, PER3 and Adaptation to Latitude**  
*Dr. Malcolm von Schantz (Surrey Sleep Research Centre, University of Surrey, UK)*
- 16:35-17:00 **Monitoring Metabolic Rhythms in the Presence or Absence of Transcription**  
*Dr. John O'Neill (Institute of Metabolic Science, University of Cambridge, UK)*
- 17:00-17:25 **Neuroimaging of Circadian Rhythms**  
*Prof. Pierre Maquet (University of Liege, Belgium)*
- 17:25-17:45 Coffee & Tea
- 17:45-18:30 **Translation of Cell Activity into Sleep Regulatory Mechanisms**  
*Prof. James Krueger (Washington State University, Pullman, WA, USA)*
- 19:15- Discussion, Drinks and Buffet Dinner (Holiday Inn)

## Day 2 Thursday July 14th

- 8:30-11:00 **Session 2. Models**  
Chair: Prof. Derk-Jan Dijk
- 8:35-08:55 **Anaesthesia: A Model for Sleep**  
*Prof. William Wisden (Imperial College London, UK)*
- 08:55-09:15 **Pharmacology and Sleep Regulation**  
*Dr. Raphaëlle Winsky-Sommerer (Surrey Sleep Research Centre, University of Surrey, UK)*

- 09:15-09:35 **Sleep, Wake and Metabolism in Huntington's disease**  
*Prof. Jenny Morton (University of Cambridge, UK)*
- 09:35-09:55 **Per3 and Mouse Models**  
*Dr. Simon Archer (Surrey Sleep Research Centre, University of Surrey, UK)*
- 09:55-10:15 **Let's not forget about REM sleep**  
*Prof. Pierre-Hervé Luppi (CNRS UMR5167, Lyon, France)*
- 10:15-10:35 **Latitude, Light and Primates**  
*Dr. Mario Pedrazzoli (University of São Paulo, Brazil)*
- 10:35-10:55 **Waking Performance: Beyond the PVT**  
*Dr. June Lo (Surrey Sleep Research Centre, University of Surrey, UK)*
- 10:55-11:00 Discussion
- 11:00-11:30 Coffee & Tea
- 11:30-13:00 **Session 3. State-of-the-art Methods and Data Analyses**  
Chair: Dr. Raphaëlle Winsky-Sommerer
- 11:35-11:55 **Microarray Analyses and Beyond**  
*Prof. Colin Smith (Faculty of Health & Medical Sciences, University of Surrey, UK)*
- 11:55-12:15 **Non-linear Analyses of Sleep Recordings**  
*Dr. Daniel Abasolo (Faculty of Engineering & Physical Sciences, University of Surrey, UK)*
- 12:15-12:35 **Neuronal Firing Patterns, the EEG and Sleep: Shadows of the Homeostat**  
*Dr. Vladyslav Vyazovskiy (University of Wisconsin, Madison, WI, USA)*
- 12:35-12:55 **The Spectral Composition of Evening Light and the Delay of Sleep**  
*Dr. Nayantara Santhi (Surrey Sleep Research Centre, University of Surrey, UK)*
- 12:55-13:00 Discussion

- 13:00 -14:00 Lunch
- 14:00-16:00 **Session 4. PER3: Examples of a Multidisciplinary Research**  
Chair: Dr. Simon Archer
- 14:00-14:20 **Per3 and Differential Responses to Photoperiod**  
*Dr. Daan van der Veen (University of Notre Dame, Notre Dame, IN, USA)*
- 14:20-14:40 **PER3 and Peripheral Circadian Rhythms**  
*Dr. Sibah Hasan (Surrey Sleep Research Centre, University of Surrey, UK)*
- 14:40-15:00 **PER3 and Diurnal Preference: Effects on Sleep and Health at Home and during Forced Desynchrony**  
*Dr. Alpar Lazar (Surrey Sleep Research Centre, University of Surrey, UK)*
- 15:00-15:20 **PER3 and Ageing**  
*Dr. Antoine Viola (University of Basel, Switzerland)*
- 15:20-15:40 **Peripheral Clock Gene Expression in PER3 genotypes**  
*Ana Slak (Surrey Sleep Research Centre, University of Surrey, UK)*
- 15:40-16:00 **Modelling Human Sleep and Waking EEG Rhythms**  
*Fabian Le Bourdieu (University of Liege, Belgium)*
- 16:00-16:45 **Session 5. Round Table Discussion: "Inter-transfection" of Human & Animal Research**  
Chair: Prof. Derk-Jan Dijk
- 16:45-17:15 **"Closing the Gaps"**  
*Dr. Michael Hastings (MRC Laboratory of Molecular Biology, Cambridge, UK)*
- 19:00 **Dinner** (Kingham's Restaurant, Shere GU5 9HE) (18:15 Coach Pick-up at the Holiday Inn)

