

## TUESDAY 14 MAY

08:00 Registration and coffee

09:30 Opening – Prof Hans Romijn (Dean of the Faculty of Medicine, AMC-UvA)

### Session 1 Muscle clocks and diabetes

Chair: Patrick Schrauwen

10:00 The Molecular Clock and MyoD1: Interacting partners for muscle circadian health  
**Karyn Esser – Gainesville, Florida, USA**

10:45 *Selected abstract*

11:00 Coffee break

11:15 Skeletal muscle mediators and exercise-induced adaptations governing insulin sensitivity:  
Turning back time on diabetes pathogenesis  
**Juleen Zierath - Stockholm, Sweden**

12:00 Circadian orchestration of metabolic function in human skeletal muscle  
**Charna Dibner – Geneva, Switzerland**

12:45 Lunch break – Poster session

### Session 2 Mitochondria and diabetes

Chair: Matthijs Hesselink

14:00 Day-night rhythm of skeletal metabolism and its role in insulin resistance in humans  
**Patrick Schrauwen – Maastricht, Netherlands**

14:45 *Selected abstract*

15:15 Exercise response variation in diabetes: a clinical outcome with epigenomic underpinnings  
**Lauren Sparks – Orlando, Florida, USA**

16:00 Tea break

16:15 A mitochondria-centric perspective on metabolic flexibility  
**Francesca Amati – Lausanne, Switzerland**

17:00 *Selected abstract*

18:00 RECEPTION IN 'DE SCHREIERSTOREN'

## WEDNESDAY 15 MAY

### Session 3 Clocks, lifestyle and diabetes

Chair: Dirk Jan Stenvers

08:30 Time-restricted eating for the prevention and management of chronic diseases  
**Satchin Panda – San Diego, California, USA**

09:15 *Selected abstract*

09:45 Metabolic profiling of type 2 diabetes and circadian misalignment in humans  
**Debra Skene – Surrey, United Kingdom**

10:30 Coffee break

11:00 *Selected abstract*

11:30 Sleep and circadian phenotypes as risk factors for Type 2 diabetes?  
**Celine Vetter – Boulder, Colorado, USA**

12:15 *Selected abstract*

12:45 Lunch break – Poster session

### Session 4 Hypothalamic clocks insulin resistance and energy metabolism

Chair: Andries Kalsbeek

14:00 Suprachiasmatic nucleus – arcuate nucleus: interactions between time and metabolism  
**Ruud Buijs – Mexico City, Mexico**

14:45 *Selected abstract*

15:15 Human clocks, glucose control and metabolism  
**Frank Scheer – Boston, Massachusetts, USA**

16:00 Tea break

16:15 *Selected abstract*

16:45 The mutual dependence between bone and gonads  
**Henrik Oster – Lubeck, Germany**

## THURSDAY 16 MAY

### Session 5 Hypothalamus, Nutrition and Inflammation

Chair: Susanne la Fleur

08:30 Intermittent fasting and metabolic health: from caloric restriction to time-restricted feeding  
**Eric Ravussin – Baton Rouge, Louisiana, USA**

09:15 *Selected abstract*

09:45 The metabolic impact of glial activation  
**Joshua Thaler – Seattle, Washington, USA**

10:30 Coffee break

11:00 *Selected abstract*

11:30 Hypothalamic microglia-neuron interactions in obesity and diabetes  
**Chun-Xia Yi - Amsterdam, Netherlands**

12:15 *Selected abstract*

12:45 Lunch – Poster session

### Session 6 Circadian control and mito dynamics

Chair: Dirk van Moorsel

14:00 *Selected abstract*

14:30 Circadian control of energy homeostasis: a (sub)cellular perspective  
**Steve Brown – Zurich, Switzerland**

15:15 Tea break

15:45 The Muscle – Mitochondrial Reticulum  
**Brian Glancy – Bethesda, Maryland, USA**

16:30 *Selected abstract*

17:00 Circadian clock control of oxygen and carbon dioxide rhythms  
**Gad Asher – Rehovot, Israel**

18:00 CLOSING