



## PROGRAM

### Thursday, November 9, 2017

- 14.00 **Registration and Poster mounting open** (location: Blauwe Patio / Blue Patio)
- 17.30 **Opening & Welcome** (location: Rode Zaal / Red Room) by the conference directors  
**Marian Joëls**, PhD, Dean/Board of Directors University Medical Center Groningen  
**James L. Kirkland**, MD, PhD, Mayo Clinic Robert and Arlene Kogod Center on Aging  
**Thomas von Zglinicki**, PhD, University Ageing Biology Centre, Newcastle University
- 17.35 **Announcement** by the President of the University of Groningen  
**Sibrandes Poppema**, MD, PhD
- 17.45 **Keynote lecture**  
*Genetic mapping of targets in mitochondria, metabolism and ageing*  
**Johan Auwerx**, MD, PhD, Professor at the Ecole Polytechnique Fédérale, Laboratory of Integrative and Systems Physiology, Lausanne, Switzerland
- 18.45 **Dinner buffet** (location: Blauwe Patio / Blue Patio)  
*The reception is offered to you by the University of Groningen, the Municipality of Groningen and the Province of Groningen*

### Friday, November 10, 2017

- 08.00 **Registration Open** (Red Room)  
**Session I Mitochondria, ROS & NAD**
- 08.20 **Opening** by program directors and chairs
- 08.25 **Title - TBA**  
**Mathias Ziegler**, PhD, Professor at the University of Bergen, Head Department of Molecular Biology, Bergen, Norway
- 08.55 **Title - TBA**  
**Eric Verdin**, MD, President and CEO, Buck Institute for Research on Aging, Novato, USA
- 09.25 **Mitochondrial DNA methylation**  
**Marianne G. Rots**, PhD, Professor of Molecular Epigenetics, Department of Pathology and Medical Biology, University Medical Center Groningen, Groningen, the Netherlands
- 09.55 **Title - TBA**  
**Eduardo Chini**, MD, PhD, Professor of Anesthesiology, Mayo Clinic Robert and Arlene Kogod Center on Aging and Mayo Clinic Cancer Center, Rochester, Minnesota, USA
- 10.25 **Summary** Topic I by chairs
- 10.30 **Coffee break** (Blue Patio)





November 9-11, 2017



### *Session II Metabolism and cell senescence*

- 11.00 **Opening** by chairs
- 11.05 **Title – TBA**  
**Speaker - TBA**
- 11.35 ***Nuclear to Mitochondrial DNA damage signaling in Neurodegeneration and Aging***  
**Vilhelm A. Bohr**, MD, PhD, Senior investigator, Laboratory of Molecular Gerontology, National Institute on Aging, Baltimore, USA
- 12.05 **Title - TBA**  
**Eugenia Trushina**, PhD, Associate Professor, Mitochondrial Neurobiology and Therapeutics Laboratory Mayo Clinic, Rochester, Minnesota, USA
- 12.35 ***Senescence in post-mitotic cells: a telomere-centric story***  
**João Passos**, PhD, Associate Professor, Newcastle University Institute for Ageing and Institute for Cell and Molecular Biosciences, Newcastle University, UK
- 13.05 **Summary** Topic II by chairs
- 13.10- **Poster Pitch**
- 13.25
- 13.30 **Lunch, Poster viewing and discussion + announcement travel award winners** (Blue Patio)

### *Session III Systems Biology*

- 15.30 **Opening** by chairs
- 15.35 **Title – TBA**  
**Speaker - TBA**
- 16.05 **Title - TBA**  
**Daryl Shanley**, PhD, Senior Lecturer, Institute for Cell and Molecular Bioscience, Newcastle University, UK
- 16.35 ***Multilevel regulation of mitochondrial metabolism during muscle ageing***  
**Barbara Bakker**, PhD, Professor of Medical Systems Biology, Department of Pediatrics and Systems Biology Center for Energy Metabolism and Ageing, University Medical Center Groningen, Groningen, the Netherlands
- 17.05 ***Saccharomyces cerevisiae goes through distinct metabolic phases during its replicative life***  
**Matthias Heinemann**, PhD, Professor of Biochemistry & Molecular Biology, Microbiology, Faculty of Science and Engineering, University of Groningen, Groningen, the Netherlands
- 17.35 **Summary** by chairs
- 17.40 **Closing day 1** by program directors
- 18.30 **Dinner** (location in Groningen: Feithhuis)





## **Saturday, November 11, 2017**

### ***Session IV Nutrient sensing***

08.30 **Opening** by chairs (Red Room)

08.35 **Title - TBA**

**Rozalyn Anderson**, PhD, Associate Professor, Department of Medicine, SMPH, University of Wisconsin-Madison, USA

09.05 ***Mechanistic insights into mTORC1 and autophagy in cell senescence***

**Viktor Korolchuk**, PhD, Associate Professor, Institute for Cell and Molecular Biosciences, Newcastle University Institute for Ageing, Newcastle University, UK

09.35 ***Systems approaches to the mammalian target of rapamycin (mTOR) network***

**Kathrin Thedieck**, PhD, Associate Prof of Biochemistry & Molecular Biology, Department of Paediatrics, University Medical Center Groningen, Groningen, the Netherlands

10.05 ***Developing tools to monitor changes in metabolism in cancer patients***

**Hilde Jalving**, MD, PhD, Medical Oncologist, Department of Medical Oncology, University Medical Center Groningen, Groningen, the Netherlands

10.35 **Summary** by chairs

10.40 **Coffee break** (Blue Patio)

### ***Session V Metabolism and stem cell ageing***

11.10 **Opening** by chairs

11.15 ***Mitochondrial Metabolic Checkpoint, Stem Cell Aging and Rejuvenation***

**Danica Chen**, PhD, Professor of Nutritional Sciences and Toxicology, Department of Nutritional Sciences & Toxicology, Berkeley University of California, USA

11.45 ***Epigenetic stress response and stem cell aging***

**K. Lenhard Rudolph**, MD, Scientific Director Leibniz Institute on Aging – Fritz Lipmann Institute, Jena, Germany

12.15 ***Using stem cells to understand and model age related macular degeneration***

**Majlinda Lako**, PhD, Professor of Stem Cell Science, Institute of Genetic Medicine, Newcastle University, UK

12.45 **Title - TBA**

**Y.S. Prakash**, MD, PhD, Chair of Physiology and Biomedical Engineering, Mayo Clinic Robert and Arlene Kogod Center on Aging, Rochester, Minnesota, USA

13.15 **Summary** by chairs

13.20 **Conference closing by conference and program directors followed by Closing lunch** (Blue Patio)

