

2nd Molecular Biology of Ageing Meeting
Groningen, The Netherlands, 8-11 October 2017
Programme

Sunday, October 8

4:00-07:00 pm	Registration
6:00 pm	Reception
6:45 pm	Opening remarks - Welcome note
7:10 pm	Keynote Lecture by Andrew Dillin , Department of Molecular and Cell Biology at Berkeley <i>The Communication of Mitochondrial Proteotoxic Stress (The Mitokine)</i>
	Session 1. Telomeres Chair: Michael Chang
8:00-8:25 pm	<u>Speakers</u> Joachim Lingner , École Polytechnique Fédérale de Lausanne <i>Telomeric chromatin analysis provides insights into damage protection</i>
8:25-8:50 pm	Jan Karlseder , Salk Institute for Biological Studies <i>What Telomeres can teach us about DNA repair pathway choice</i>
8:50-9:10 pm	Miguel Godinho Ferreira , Institute for Research on Cancer and Aging in Nice (IRCAN) <i>Non-cell autonomous effects of telomere shortening in cancer and ageing</i>
9:10-9:30 pm	Peter Baumann , HHMI and Stowers Institute, Kansas University Medical Center <i>Telomerase RNA biogenesis – it takes a lot to make enough</i>

Monday, October 9

	Session 2. DNA repair and genome instability Chair: Katrin Paeschke
09:00-9:25 am	<u>Speakers</u> Jan Hoeijmakers , Erasmus MC Department of Molecular Genetics <i>Keeping your genome intact protects you from aging and neurodegeneration</i>
9:25-9:50 am	Penny Jeggo , School of Life Sciences at the University of Sussex <i>Maintaining Genomic Integrity in the face of DNA double strand breaks</i>
9:50-10:10 am	Anne Cornelis Meinema , ETH Zürich <i>DNA circles cause nuclear pore complex rearrangements during yeast aging</i>
10:10-10:30 am	Jacqueline Jacobs , The Netherlands Cancer Institute <i>Control of DNA repair pathway choice at telomeres and DNA double strand breaks</i>
10:30-10:50 am	Elsa Logarinho , IBMC-Instituto de Biologia Molecular e Celular, i3S, Porto University <i>Molecular basis of mitotic decline during human aging</i>
10:50 am	Coffee break
	Session 3. Mitochondria and apoptosis Chair: Peter Lansdorp
11:20-11:45 am	<u>Speakers</u> Liza Pon , Columbia University Medical Center <i>Reciprocal interactions between mitochondrial DNA and lifespan control in budding yeast</i>
11:45-12:05 am	Marte Molenaars , Academic Medical Center Amsterdam <i>The Interplay between Mitochondrial Function and Protein Translation in Longevity</i>
12:05-12:25 pm	Vincenzo Sorrentino , École Polytechnique Fédérale de Lausanne <i>Enhancing mitochondrial proteostasis reduces amyloid-β peptide proteotoxicity</i>
12:30 am	Lunch

	Session 4. Nutrient Sensing Chair: Ody Sibon
	<u>Speakers</u>
2:00-2:25 pm	Jens Bruening , Max Planck Institute for Metabolism Research <i>Neuronal circuits in control of metabolism</i>
2:25-2:50 pm	Brian Kennedy , The Buck Institute for Research on Aging <i>Sex Differences and Aging in the mTOR Pathway</i>
2:50-3:10 pm	Christine Müller , European Research Institute for the Biology of Ageing, UMCG <i>Reduced expression of C/EBPβ-LIP extends health- and lifespan in mice</i>
3:10-3:30 pm	Peter Tessarz , Max Planck Institute for Biology of Ageing, Cologne <i>Integration of metabolic and epigenetic regulation of stem cell fates in health and ageing</i>
3:45 – 5:45 pm	Poster Session I
6:00-7:30 pm	Dinner
	Session 5. Autophagy and Immunity Chair: Fulvio Reggiori
	<u>Speakers</u>
7:30-7:55 pm	David Rubinsztein , Cambridge Institute for Medical Research <i>Autophagy and Neurodegeneration</i>
7:55-8:20 pm	Katja Simon , Oxford University <i>Autophagy and immune aging</i>
8:20-8:45 pm	Andre Nussenzweig , Center for Cancer Research, NIH <i>Genome Organization Drives Chromosome Fragility</i>
8:45-9:10 pm	Manolis Pasparakis , Institute for Genetics at the University of Cologne <i>Necroptosis in tissue homeostasis and inflammation</i>
Tuesday, October 10	
	Session 6. (Epi)genetics and ageing Chair: Jan Hoeijmakers
	<u>Speakers</u>
9:00-9:25 am	Edwin Cuppen , Center for Molecular Medicine at the UMC Utrecht <i>Tissue-specific mutation accumulation in human adult stem cells during life</i>
9:25-9:50 am	Anne Brunet , Paul F. Glenn Laboratories for the Biology of Aging at Stanford University <i>Understanding and modeling aging</i>
9:50-10:10 am	Mario Baumgart , Leibniz Institute on Aging - FLI <i>Longitudinal analysis of gene expression in the short-lived killifish <i>Nothobranchius furzeri</i> reveals widespread pleiotropic antagonistic actions</i>
10:10-10:30 am	Bart Eggen , University Medical Center Groningen <i>Transcriptomic analysis of purified human cortical microglia reveals age-associated changes</i>
10:30-10:50 am	Markus Schosserer , University of Natural Resources and Life Sciences, Vienna <i>Two distinct ribosomal RNA base methylations modulate healthy lifespan</i>
10:55 am	Coffee break
	Session 7A. Protein homeostasis Chair: Ellen Nollen
	<u>Speakers</u>
11:25-11:50 am	Mark S. Hipp , Max Planck Institute of Biochemistry <i>Proteostasis impairment in protein misfolding and aggregation diseases</i>
11:50-12:10 pm	Alessandro Cellarino , Scuola Normale Superiore <i>Proteomic analysis of brain aging reveals reduction of protein/transcript correlation, loss of stoichiometry in multiple protein complexes and changes in protein thermal stability</i>
12:10-12:30 pm	Tobias Dansen , UMC Utrecht <i>Proteome-wide Changes in Protein Turnover Rates in <i>C. elegans</i> Models of Longevity and Age-Related Disease</i>

12:30 pm	Lunch
	Session 7B. Protein homeostasis Chair: Ellen Nollen
2:00-2:25 pm	<u>Speakers</u> Giovanna Mallucci , Department of Clinical Neurosciences, University of Cambridge <i>Manipulating the Unfolded Protein Response for treatment of neurodegeneration</i>
2:25-2:45 pm	Collin Ewald , ETH Zurich <i>Preferential translation of ATF-5 mediates Caenorhabditis elegans lifespan extension from reduced protein synthesis</i>
2:45-3:05 pm	Anita Pras , European Research Institute for the Biology of Ageing, University Medical Center Groningen <i>Small EDRK-rich factor as potential gatekeeper neutralizer in the aggregation of disease proteins</i>
3:15-5:15 pm	Poster Session II
6:30 pm	Reception and dinner at the Groningen Museum
Wednesday, October 11	
	Session 8. Cellular senescence Chair: Marco Demaria
9:00-9:25 am	<u>Speakers</u> Manuel Serrano , Centro Nacional de Investigaciones Oncológicas <i>Integrating cellular senescence and reprogramming</i>
9:25-9:50 am	Sheila A. Stewart , Department of Cell Biology and Physiology at the Washington University of St. Louis <i>Age-related changes in the tumor microenvironment drive tumorigenesis</i>
9:50-10:15 am	Peter de Keizer , Department of Genetics, Erasmus MC Rotterdam <i>Targeted Apoptosis of Senescent Cells Restores Tissue Homeostasis in Response to Chemotoxicity and Aging</i>
10:15-10:35 am	Peter Bruno , Harvard Medical School <i>Functional genetic characterization of senescence induction</i>
10:35-10:55 am	Sélène Glück , École Polytechnique Fédérale de Lausanne <i>Innate immune sensing of cytosolic chromatin fragments through cGAS promotes senescence</i>
10:55 am	Coffee break
	Session 9. Stem cells Chair: Gerald de Haan
11:25-11:50 am	<u>Speakers</u> Thomas Rando , Glenn Center for the Biology of Ageing at Stanford University <i>Epigenetics of stem cell aging and rejuvenation</i>
11:50-12:15 am	Allison Bardin , Genetics and Developmental Biology Center at Institut Curie <i>Modes of genome alteration of adult stem cell during aging</i>
12:15-12:35 pm	Allesandro Ori , Leibniz Institute on Aging – Fritz Lipmann Institute (FLI) <i>Age and diet affect the intestinal crypt proteome</i>
12:35 pm	Lunch
	Departure