

**Virtual Conference Agenda**

Start (BST)	Finish (BST)	Presenter details
<b>Wednesday, 25 May 2022</b>		
13:00	13:10	<p>Welcome</p> <p>Scientific Programme Committee:  <a href="#">Andrew Dillin, University of California, Berkeley, USA</a>  <a href="#">Linda Partridge, Max-Planck Institute for Biology of Ageing, Germany</a>  <a href="#">Thomas Rando, University of California, Los Angeles, USA</a>  <a href="#">Eline Slagboom, Leiden University Medical Centre, The Netherlands</a></p>
13:00	14:40	<p><b>Session 1: Cellular senescence</b></p> <p>Introduction to the session            Chair: Thomas Rando</p> <p>13:00 13:20 Understanding and controlling cellular reprogramming in vivo  <a href="#">Manuel Serrano, IRB Barcelona, Spain</a></p> <p>13:20 13:40 Understanding senescence heterogeneity and preclinical development of FOXO4-DRI peptides against a “scarred” subtype  <a href="#">Peter de Keizer, University Medical Center Utrecht, The Netherlands</a></p> <p>13:40 14:00 Senescent cell accumulation in neurodegenerative disease  <a href="#">Darren Baker, Mayo Clinic, USA</a></p> <p>14:00 14:10 Somatic mutation rates scale with lifespan across mammals            Alex Cagan, Wellcome Sanger Institute, UK</p> <p>14:10 14:40 Q&amp;A            Chair: Thomas Rando            Moderator: Eline Slagboom</p>
14:40	14:50	Break with Networking
14:50	15:35	<p><b>Poster Session 1</b></p> <p>14:50 15:05 Poster lightning talks            15:05 15:35 Poster session</p>
15:35	17:05	<p><b>Session 2: Health interventions</b></p> <p>Introduction to the session            Chair: Eline Slagboom</p> <p>15:35 15:55 Mechanisms of organismal stress resistance in <i>C. elegans</i>  <a href="#">Rebecca Taylor, MRC, UK</a></p> <p>15:55 16:15 Precision nutrition: guiding healthy aging through the lifespan  <a href="#">Jose Ordovas, USDA, USA</a></p> <p>16:15 16:25 Hydrogen Sulfide Donor Compound AP39 Maintains Mitochondrial Health in Ageing Worms            Adriana Raluca Vintila, University of Exeter, UK</p> <p>16:25 16:35 PLIS: A Metabolomic Response Predictor for Monitoring a Lifestyle Intervention Study in Older Adults            Fatih Bogaards, Leiden University Medical Center, The Netherlands</p> <p>16:35 17:05 Q&amp;A            Chair: Eline Slagboom            Moderator: Andrew Dillin</p>
17:05	17:25	Break with networking

17:25	18:10	<b>Keynote</b>
		Introduction to the session Chair: Thomas Rando
17:25	17:55	Cellular Senescence: Quo Vadis? <a href="#">Judy Campisi, Buck Institute, USA</a>
17:55	18:10	Q&A Chair: Thomas Rando Moderator: Andrew Dillin

Thursday, 26 May 2022

13:00	14:40	<b>Session 3: Cellular homeostasis</b>
		Introduction to the session Chair: Eline Slagboom
13:00	13:20	Ribosome-associated chaperones: guardians of the proteome during health and disease <a href="#">Elke Deuerling, University of Konstanz, Germany</a>
13:20	13:40	Mechanisms of age-related protein aggregation and toxicity <a href="#">Ellen Nollen, University of Groningen, The Netherlands</a>
13:40	14:00	Ageing exacerbates ribosome pausing to disrupt cotranslational proteostasis <a href="#">Judith Frydman, Stanford University, USA</a>
14:00	14:10	Age acquired skewed X Chromosome Inactivation is associated with adverse health outcomes in humans Amy Roberts, King's College London, UK
14:10	14:40	Q&A Chair: Eline Slagboom Moderator: Linda Partridge
14:40	15:00	Break with Networking
15:00	16:20	<b>Session 4: Metabolism</b>
		Introduction to the session Chair: Andrew Dillin
15:00	15:20	Microbial co-opting of cellular senescence <a href="#">Lena Pernas, Max-Planck Institute for Biology and Ageing, Germany</a>
15:20	15:40	Cellular Aging and Cancer Initiation: The Telomere-Mitochondria Connection <a href="#">Gerald Shadel, Salk Institute, USA</a>
15:40	15:50	Development and validation of NMR based metabolomic age prediction models in a multi-cohort study Chungho Lau, Imperial College London, UK
15:50	16:20	Q&A Chair: Andrew Dillin Moderator: Thomas Rando
16:20	16:40	Break with networking

16:40	18:20	Session 5: The ageing brain / nervous system
		Introduction to the session Chair: Linda Partridge
16:40	17:00	From football players to aging brains - trajectories of vulnerability and resilience to cognitive decline <a href="#">Daniela Kaufer, University of California, USA</a>
17:00	17:20	Brain associated lymphatics and immunity in healthy aging and in pathology <a href="#">Jonathan Kipnis, Washington University School of Medicine in St. Louis</a>
17:20	17:30	Somatic Mutations in the Ageing Brain and Heart Luke Harvey, Wellcome Sanger Institute, UK
17:30	17:40	Investigating the relationship between telomere length and cognitive function using genetics in adults of European ancestry Amy Packer, King's College London, UK
17:40	17:50	Epigenetic Clock Indicates Accelerated Ageing in Glial Cells of Progressive Multiple Sclerosis Patients Dennis Klose, Center for Molecular Medicine (Karolinska Institutet), Sweden
17:50	18:20	Q&A Chair: Linda Partridge Moderator: Eline Slagboom

Friday, 27 May 2022

13:00	14:40	Session 6: Longevity and biological age
		Introduction to the session Chair: Linda Partridge
13:00	13:20	Investigating Cellular Rejuvenation Pathways during Gametogenesis <a href="#">Elçin Ünal, University of California, Berkeley, USA</a>
13:20	13:30	Activation of T and NK cells drives epigenetic clock progression Thomas Jonkman, Leiden University Medical Center, The Netherlands
13:30	13:40	Dietary restriction is evolutionary conserved in the Drosophila lineage on the phenotypic and transcriptome level Mirre Simons, University of Sheffield, UK
13:40	13:50	Characterization of premature aging in Ercc1d <sup>-/-</sup> mice and development of an iPSC-derived in vitro model to study vascular aging Janette van der Linden, Leiden University Medical Center, The Netherlands
13:50	14:10	Human research into longevity and protection from age-related functional decline <a href="#">Eline Slagboom, Leiden University Medical Centre, The Netherlands</a>
14:10	14:40	Q&A Chair: Linda Partridge Moderator: Thomas Rando

14:40	14:50	Closing remarks
		Scientific Programme Committee: <a href="#">Andrew Dillin, University of California, Berkeley, USA</a> <a href="#">Linda Partridge, Max-Planck Institute for Biology of Ageing, Germany</a> <a href="#">Thomas Rando, University of California, Los Angeles, USA</a> <a href="#">Eline Slagboom, Leiden University Medical Centre, The Netherlands</a>