

09:30 - 09:40	Eline Slagboom - Welcome and Introduction to Interactive Pitches (IP)
09:40 - 10:05	IP1: Lifespan, healthspan and reproduction studies. Bas Zwaan and Marian Beekman
10:05 - 10:30	IP2: Energy metabolisms: biomarkers and mechanisms. Riekelt Houtkooper and Eline Slagboom
10:30 – 11:00	COFFEE & TEA
11:00 - 11:25	IP3: Immuno-senescence: biomarkers and mechanisms. Debbie van Baarle and Simon Mooijaart
11:25 - 11:50	IP4: Environment-host interactions in (healthy) ageing. Folkert Kuipers
Selected lectures	
11:50 - 12:02	<i>Mortality-trained DNA methylation and metabolomic aging clocks are independently associated with frailty and mortality.</i> Lieke Kuiper, Erasmus University Medical Center
12:02 - 12:14	<i>B cell depletion skews cd4+ t cells towards a pro-inflammatory phenotype in aged atherosclerotic mice.</i> Jill de Mol, Leiden Academic Center for Drug Research
12:14 – 12:26	<i>Impact of aging and exercise on skeletal muscle mitochondrial capacity, energy metabolism, and physical function.</i> Joris Hoeks, Maastricht University Medical Center
12:26 – 12:38	<i>Sex differences in skeletal muscle-ageing trajectory: same processes, but with different magnitudes.</i> Jelle de Jong, Wageningen University & Research
12:38 – 14:00	Lunch & Postermarket
14:00 - 14:12	<i>Immune responsiveness to SARS-CoV-2 vaccination in the elderly population.</i> Yunus Kuipers, National Institute for Public Health and the Environment
14:12 - 14:24	<i>Hyper-physiologic mechanical loading conditions cause a shift in the epigenetic landscape in neo-cartilage organoids.</i> Niek Bloks, Leiden University Medical Center
14:24 - 14:36	<i>Targeting senescent cell viability through modulation of calcium signalling pathways.</i> Teodore Gheorghe, ERIBA-University Medical Center Groningen
14:36 – 14:48	<i>Creating a Roadmap to Senescence Heterogeneity in Aging through Imaging Mass Cytometry and Organotypic In Vitro Models.</i> Johannes Lehmann, University Medical Center Utrecht
14:48 - 15:15	COFFEE & TEA
15:15 - 15:45	Keynote lecture: Pura Muñoz Cánoves, Pompeu Fabra University: Promoting regeneration of aged muscles
15:45 - 16:15	Invited Lecture: Bas Heijmans, Leiden University Medical Center: Human epigenetic clocks predict age by tracking immunosenescence.
16:15 – 16:45	Introduction new DuSRA board
16:45 - 17:30	DRINKS