

## Groningen-Jena Aging Meeting (G-JAM) 2021

October 20-23, 2021

All the sessions will be streamed at

<https://www.leibniz-fli.de/g-jam2021/g-jam-conference-website>

(please check your email for login credentials)

### PROGRAMME

#### Career Development - Wednesday, October 20<sup>th</sup>, 2021

17:15 CET – 19:45 CET	<b>Session: Career Opportunities for young scientists (online via Zoom, registered participants only)</b>
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#### Day 1 – Thursday, October 21<sup>st</sup>, 2021

11:00 CET	Opening Remarks by the Organizers and Welcome Message by the Directors of FLI and ERIBA (Alfred Nordheim and Ellen Nollen)	
11:30 CET	<b>Keynote:</b> Vera Gorbunova <i>Introduced by Gerald de Haan</i>	Live – SIRT6 - a guardian of longevity and epigenome stability
<b>Session 1 – Chair Alessandro Ori</b>		
12:15 CET	Soline Estrach	Fibronectin meshwork controls epithelial stem cell fate
12:30 CET	David Glass	Live - Using age-related gene and signaling changes to target age-related disease
13:00 CET	<i>Lunch break</i>	
<b>Session 2 - Chair K. Lenhard Rudolph</b>		
14:00 CET	James Kirkland	Aging, Cellular Senescence, and Senolytics: The Path to Translation
14:30 CET	Collin Y. Ewald	ATF-4 and hydrogen sulfide signalling mediate longevity from inhibition of translation or mTORC1
14:45 CET	Mareike Wichmann	Live – Caloric restriction as a novel approach to modulate age-associated inflammatory signaling caused by lipid mediators within the liver
15:00 CET	William Lowry	Live - Regulation of Metabolism in Hair Follicle Stem Cells in homeostasis, cancer, and aging

15:30 CET	Peter Tessarz	Live – Ageing-related changes in liver metabolic zonation are accompanied by spatial shifts in transcription and chromatin accessibility
15:45 CET	Tyler Hilsabeck	A GWAS for late-life mortality in Drosophila identifies Diabetes and obesity regulated to regulate mortality and resilience.
16:00 CET	Blake Smithson	The NAD <sup>+</sup> -consuming enzyme CD38 regulates age- and alcohol-induced liver fibrosis through hepatocyte SIRT1 and danger signaling
16:15 CET	<i>Coffee Break</i>	
16:30 CET	Felix Boos	When mitochondrial proteins go astray – The mitoprotein-induced stress response connects proteostasis programs across the cell
16:45 CET	Yingjun Liu	Live – Acceleration of molecular brain aging in prion diseases
17:00 CET	Michael Rape	Control of reactive oxygen species production during development and disease
17:30 CET	Industry - Stephen Helliwell, Rejuvenon – supporting entrepreneur scientists to co-create novel therapies to combat diseases of aging	
17:45- 19:15 CET	Poster Session I – 1.5h flash talks <i>Chair Cornelius Calkhoven</i>	
19:15- 19:45 CET	Poster Session I - individual breakout rooms for discussions <a href="https://zoom.us/j/92311568371?pwd=UnFM5npRaFNydUtBV0xicThQdW5pZz09">https://zoom.us/j/92311568371?pwd=UnFM5npRaFNydUtBV0xicThQdW5pZz09</a>	

## Day 2 – Friday, October 22<sup>nd</sup>, 2021

<b>Session 2: Chair Alessandro Ori</b>		
11:00 CET	Florian Heidel	Live - Aging-associated diseases: Signaling landscape defines dependencies of JAK-mutated clones
11:30 CET	Michael Ristow	Extending healthspan by genetic and pharmacological interventions
12:00 CET	Aleksandra Trifunovic	Live - Fine tuning of mammalian mitochondrial stress responses
12:30 CET	Floris Fojjer	The chromosomal instability-induced inflammatory response: our friend or foe?
13:00 CET	<i>Lunch</i>	

Session 3: Chair Gerald de Haan		
14:00 CET	Anne Bertolotti	Live - Boosting protein quality control for therapeutic benefit
14:30 CET	Dongsheng Cai	The hypothalamus for aging control
15:00 CET	Fabrizio D'Adda Di Fagagna	Live – A novel approach to telomere-driven age-related diseases
15:15 CET	Pekka Katajisto	The many faces of stem cell niche during aging
15:45 CET	Katharina Papsdorf	A lipid droplet-peroxisome network drives longevity by monounsaturated fatty acids via modulating ether lipid synthesis
16:00 CET	<i>Coffee Break</i>	

16:15 CET	Pankaj Kapahi	Testing the impact of a glycation lowering compounds on reducing body weight and delaying aging
16:45 CET	Julia von Maltzahn	Live - Muscle stem cells in age and disease
17:15 CET	<b>Keynote:</b> Andrew Dillin <i>Introduced by Helen Morrison</i>	Neuronal Control of Aging and Proteostasis
18:00- 19:30 CET	Poster Session II – 1.5h flash talks <i>Chair K. Lenhard Rudolph</i>	
19:30 20:00 CET	Poster Session II - individual breakout rooms for discussions <a href="https://zoom.us/j/98415328975?pwd=US9HMWVhUGcwWkFxcIQwOEtad3hndz09">https://zoom.us/j/98415328975?pwd=US9HMWVhUGcwWkFxcIQwOEtad3hndz09</a>	

### Day 3 – Saturday, October 23<sup>rd</sup>, 2021

Session 4: Chair Cornelius Calkhoven		
11:00 CET	Ellen Nollen	Live - Modifiers of age-related protein toxicity (provisional title)
11:30 CET	Andrea Ablasser	The cGAS-STING pathway in inflammatory age-related disease
12:00 CET	Björn von Eyß	Live - Linking Hippo Signalling and PU.1 in Hematopoietic Stem Cell Aging
	Mounir EL MAI	Telomere elongation in the intestine extends lifespan in zebrafish

12:30 CET		
12:45 CET	Natalia Skinder	Live – Expression of CD61 is required for reconstituting potential of aged hematopoietic stem cells
13:00 CET	Andrea Bock	Live – REEP1-associated axonopathies
13:15 CET	<i>Lunch Break</i>	
<b>Session 5: Chair Helen Morrison</b>		
14:15 CET	Brian Kennedy	Live – The Path to Longer Lifespan and Healthspan: Smooth or Bumpy
14:45 CET	Hans-Willem Snoeck	Mitochondrial dynamics and aging of the hematopoietic system
15:15 CET	Lucile Mégret	Live – Precise machine learning suggests that brain cells facing a neurodegenerative insult are the subject of molecular decompensation and aging
15:30 CET	Heinrich Jasper	Intestinal Stem Cell Aging: Local and Systemic effects
16:00 CET	<i>Coffee Break</i>	
16:15 CET	Suzanne Angeli	The Mitochondrial Permeability Transition Pore Activates the Mitochondrial Unfolded Protein Response and Promotes Aging
16:30 CET	<b>Keynote:</b> Manuel Serrano <i>Introduced by Lenhard Rudolph</i>	Understanding in vivo transient reprogramming for rejuvenation
17:15 CET	Closing Remarks from the Organizers Cornelis Calkhoven, Gerald de Haan, Helen Morrison, Alessandro Ori, Lenhard Rudolph,	

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