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Leibniz Institute on Aging –  
Fritz Lipmann Institute

## Jena Aging Meeting (JAM) September 6-8, 2018 PROGRAM

September 6 <sup>th</sup>		
10:00	<b>Session: Non-PI Career Opportunities</b> (Leibniz Institute on Aging – Fritz Lipmann Institute, FLI)	
13:00	Transfer to Conference Venue (FLI - Friedrich Schiller University, FSU)	
13:00	Registration (FSU)	
14:30	Opening Remarks	
<b>Session: Gene- and Protein-related Mechanisms in Aging</b>		
Chairs: Zhao-Q Wang and Alessandro Ori		
14:45	<b>Keynote:</b> Jan Hoeijmakers	The impact of DNA damage, transcription stress and nutrition on aging
15:30	Anne Bertolotti	Selective inhibition of phosphatases to boost protein quality control: A possible treatment for degenerative diseases
16:00	Cemalettin Bekpen	Involvement of SPATA31 copy number variable genes in human lifespan
16:15	Christine Müller	Reduced expression of C/EBP $\beta$ -LIP extends health- and lifespan in mice
16:30	Coffee Break	
17:00	Francesco Neri	Transcriptomic and epigenetic landscape of intestine during ageing
17:30	Michael Rape	Ubiquitin-dependent control of neuronal development and survival
18:00	Aishwarya Iyer-Bierhoff	SIRT7-dependent deacetylation of fibrillarlin controls H2A methylation and rRNA synthesis during the cell cycle
18:15	<b>Poster Session I</b>	
20:00	Welcome Reception in <i>Scala</i> , Jena Tower Restaurant	

## September 7<sup>th</sup>

### Session: DNA Damage Response in Cancer and Aging

Chairs: Bjoern von Eyss, Helmut Pospiech and Aishwarya Iyer-Bierhoff

9:00	Vilhelm Bohr	DNA damage signaling to mitochondrial dysfunction in neurodegeneration and aging
9:30	Ulrich Martin	Reprogramming enriches for somatic cell clones with small scale mutations in cancer-related nuclear and mitochondrial genes
9:45	Eric Gilson	Control of mitochondrial function and tissue maintenance in skeletal muscles by the telomeric protein TRF2
10:15	Fabrizio d'Adda di Fagagna	The role of telomeric DDRNA and dilncRNA and the impact of their inhibition in ageing

10:45 Coffee Break

### Session: Metabolism in Health, Disease and Aging

Chairs: Christoph Kaether and Hellen Ahrens

11:15	Eric Verdin	Mechanisms of NAD decrease in aging
11:45	Mathias Ziegler	The NAD metabolome - Bioenergetics, signalling and subcellular compartmentation
12:00	Maria Ermolaeva	Metformin treatment initiated late in life impairs systemic energy homeostasis and reduces life span by acting in synergy with age-linked mitochondrial dysfunction

12:30 Lunch

### Session: Genomic Instability and Senescence in Aging

Chairs: Karl Lenhard Rudolph, Maria Ermolaeva and Johanna Flach

14:00	Jan van Deursen	Senolysis addresses an unmet clinical need in atherosclerosis treatment
14:30	Dmitry Bulavin	Senescence as a conundrum of life and death
15:00	Andrea Ablasser	Targeting STING in senescence with small-molecule inhibitors
15:15	Xudong Zhu	Mitochondrial fitness and inflammatory response regulate telomere dysfunction-driven cardiac ageing and lifespan

15:30 Coffee Break

16:00	John Sedivy	Somatic retrotransposition in cellular senescence and aging
16:30	Marco Demaria	From tissue repair to aging: the odyssey of multitasking senescent cells
16:45	Kristina Kirschner	Notch signalling is essential for secondary senescence and confers a facultative senescence end point in primary cells
17:15	Vera Gorbunova	Stem cell maintenance in the longest-lived rodent, the naked mole rat

17:45 **Poster Session II**

19:30 Dinner and Party – Ratszeise (Markt 1, Jena)

## September 8<sup>th</sup>

### Session: Stem Cells in Tissue Homeostasis, Regeneration and Aging

Chairs: Christoph Englert and Hanna Reuter

9:30	Gerald de Haan	Neogenin-1: Identification of a novel receptor associated with hematopoietic stem cell aging
10:00	Johanna Flach	Replication stress signaling as a potential therapeutic target in aging-associated blood malignancies with splicing factor mutations
10:15	Pura Muñoz-Cánoves	Understanding muscle stem cell regenerative decline with aging
10:45	Heinrich Jasper	Inflammation and immune modulation: tackling age-related stem cell dysfunction
11:15	Coffee Break	
11:45	Michael Brand	Regeneration and aging of the adult zebrafish brain
12:15	Zhiyang Chen	<i>Rad21</i> -mediated NF-κB signaling limits hematopoietic stem cell self-renewal in aging and inflammation
12:30	<b>Keynote:</b> Emmanuelle Passegué	Hematopoietic stem cells and blood aging
13:15	Lunch	