



AMPro Annual Meeting – Aging and Metabolic Programming, 4 – 5 April 2019
DKFZ, INF 280, Heidelberg, Communication Center, Room K1/2, first floor

4. April 2019

13:00 - 14:00	Registration
14:00 - 14:15	Welcome & Science Advisory Board Introduction Aurelio Teleman DKFZ
	WP1 Metabolic Pre- and Reprogramming Chair Dan Ehninger DZNE
14:15 - 14:35	Can aberrant SWI/SNF/BAF complex predispose to neurodegeneration upon metabolic insults? Lena Wischhof, Group Daniele Bano DZNE
14:35 - 14:55	Influenza-specific immunity in mice genetically predisposed to metabolic dysfunction Stephanie Trittel, Group Carlos Guzmán HZI
14:55 - 15:15	Long-lasting consequences of microbial colonization and early-life infections on the intestinal and systemic immune system Mangge Zou, Group Jochen Hühn HZI
15:15 - 15:35	A general mathematical model for aging Gang Zhao, Group Michael Meyer-Hermann HZI
15:35 - 16:00	Coffee break (25 min)
16:00 - 16:20	H3.3 loading in aging Paolo Salomoni DZNE
16:20 - 16:40	Integrated single cell -omics to study changes in aging microglia and other myeloid cells Adem Saglam, Group Joachim Schultze DZNE
16:40 - 17:00	Intergenerational influences of advanced paternal age in mice Kan Xie, Group Dan Ehninger DZNE
17:00 - 17:20	Metabolic reprogramming in intermittent fasting Katarina Klepac, Groups Stephan Herzig/Timo Müller HMGU
17:20 - 17:45	Coffee break (25 min)
17:45 - 18:05	The intestinal microbiota programs DNA methylation to control tissue homeostasis and inflammation

Julian Gutekunst, Group Frank Lyko DKFZ

18:05 - 18:25 Detecting chromatin accessibility in PBMCs and fat biopsies by ATAC-seq
Clarissa Gerhäuser, Group Christoph Plass DKFZ

18:25 - 18:45 Novel enzymes, novel modifications
Robert Schneider HMGU

18:45 – 19:15 Executive and Scientific Advisory Board Meeting
Science advisors, WP leaders, Executive board

18:45 - 20:00 **Dinner at DKFZ**



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5. April 2019

WP2 Inter-Organ Signaling

Chair Tilman Kühn DKFZ

8:30 - 8:50	Bile acids and colon cancer risk - a prospective study Tilman Kühn, Group Rudolf Kaaks DKFZ
8:50 - 9:10	Colonic butyrate producing communities in humans Dietmar Pieper HZI
9:10 - 9:30	SORLA promotes nutrient-dependent expansion of the early adipocyte progenitor cell pool to define longitudinal risk of obesity Thomas Willnow MDC
9:30 - 9:50	The sexually dimorphic roles of steroid hormones on Drosophila midgut Sara Ahmed, Group Aurelio Teleman DKFZ
9:50 - 10:15	Coffee break (25 min)

WP3 Stem Cell Function and Tissue Maintenance

Chair Mick Milsom DKFZ

10:15 - 10:35	Analysing the mechanisms of intestinal stem cell aging using organoids Maja Funk, Group Michael Boutros DKFZ
10:35 - 10:55	Glycolysis is impaired in Limb Girdle Muscular Dystrophy Type 2B Tobias Opialla, Group Stefan Kempa MDC
10:55 - 11:15	Mechanisms of regeneration of functional beta cell mass in diabetes Joanne van Vuuren, Group Heiko Lickert HMGU
11:15 - 11:35	Inflammatory stress as an environmental mediator of hematopoietic stem cell aging Mick Milsom DKFZ
11:35 - 11:55	Understanding aging and metabolic changes of neural stem cells as a function of cellular oxidative stress Vijay Adusumilli, Group Gerd Kempermann DZNE
11:55 - 13:00	Lunch (65 min)
13:00 - 13:20	How aging shapes stem cell performance Ana Martin-Villalba DKFZ
13:20 - 13:40	Mechanism of amyloid disassembly by the Hsp70 chaperone machinery Anne Wentink, Group Bernd Bukau ZMBH, DKFZ

13:40 - 13:50	Admin issues Claudia Prothmann HMGU
13:50 - 14:15	Coffee break (25 min)
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Incentive PhD Projects	
Chair Aurelio Teleman DKFZ	
14:15 - 14:30	Progranulin's role in aging and neuronal stem cell maintenance Bettina Schmid DZNE
14:30 - 14:45	Role of the cis-aconitate decarboxylase itaconic acid axis in inflammaging Fangfang Chen, Group Frank Pessler HZI TWINCORE
14:45 - 15:00	Aging-associated metabolic reprogramming suppresses anti-tumor T cell response Maria Rohm HMGU
15:00 - 15:15	Crosstalk between the intestine and pancreatic beta cells in the regulation of metabolism Siegfried Ussar HMGU
15:15 - 15:30	The role of Idh1 mutations in the regulation of hematopoiesis Jens Langstein, Group Daniel Lipka DKFZ
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15:30 - 15:35	Goodbye Aurelio Teleman DKFZ
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