



Summer School 2019

Program – Wednesday September 25th

13:45- 14:00	Welcome Remarks	Claudia Prothmann Aurelio Teleman
14:00- 14:45	Key Note Lecture 1 Adipose tissue expandability, lipotoxicity and the metabolic syndrome	Antonio Vidal-Puig
14:45- 16:30	Session 1 Stem Cell Function and Tissue Maintenance (AMPro Work Package 3)	Chair: Michael Milsom
	S1-1 Bad blood: hematologic aging from a stem cell perspective	Michael Milsom (30 min)
	S1-2 Cellular Redox status delineates functional states within hippocampal stem cells	Vijay Adusumilli (15 min)
	S1-3 Mechanism of α -synuclein amyloid fibril disaggregation by the human Hsc70 chaperone machinery	Anne Wentink (15 min)
	S1-4 Aging regulates Ifit1, which negatively regulates neurogenesis in the adult mammalian brain	Damian Carvajal Ibanez (15min)
	S1-5 A co-housing model system to study the effect of infection-stress on hematopoietic stem cells	Jeyan Jayarajan (15 min)
	S1-6 Cellular Reprogramming using the CRISPR/Cas9 Technology	Jessica Giehl-Schwab (15 min)
16:30- 17:15	Coffee Break & Poster Session I	
17:15- 19:00	Session 2 Inter-organ Signaling (AMPro Work Package 2)	Chair: Rudolf Kaaks
	S2-1 Body composition, metabolic profiles and cancer risk	Rudolf Kaaks (30 min)
	S2-2 Effects of dietary weight loss on the intestinal microbiome composition and metabolites	Solomon Adjetey Sowah (15 min)
	S2-3 Multimorbidity Trend In Adults Aged 65-71	Ava Arshadipour (15 min)
	S2-4 Apolipoprotein E4 disrupts the neuroprotective action of sortilin in brain lipid homeostasis	Antonino Asaro (15 min)
	S2-5 Role of SORLA in neuronal glucose homeostasis	Rishabhdev Sinha (15 min)
	S2-6 Trimethylamine-producing bacteria in the human gut	Silke Rath (15 min)
19:00- 20:30	Dinner	



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Program – Thursday September 26th

09:00- 10:45	Session 3 AMPro Joint PhD Projects	Chair: Tilman Kühn
	S3-1 Intermittent Fasting and Metabolic Health: Update and Perspectives	Tilman Kühn (30 min)
	S3-2 The Effects of Idh1 Mutations on the Regulation of Hematopoiesis and Leukemic Transformation	Jens Langstein (15 min)
	S3-3 Aging-associated metabolic reprogramming suppresses anti-tumor T cell responses – Part 1	Alessa Mieg (15 min)
	S3-4 Aging-associated metabolic reprogramming suppresses anti-tumor T cell responses – Part 2	Julia Zuber (15 min)
	S3-5 Crystal structure of cis-aconitate decarboxylase reveals the impact of naturally occurring human mutations on itaconate synthesis	Fangfang Chen (15 min)
	S3-6 The role of progranulin in aging, neurodegeneration and stem cell maintenance	Özge Pelin Burhan (15 min)
10:45- 11:30	Coffee Break & Poster Session II	
11:30- 12:15	Key Note Lecture 2 Genetic and epigenetic deregulation of adult stem cells	Allison Bardin
12:15- 15:15	Hike around the Eibsee Lunch Package	
15:15- 16:30	Session 4 Career Symposium	Chair: Tobias Schafmeier
	S4-1 Research Management – An Alternative Career Path?	Tobias Schafmeier (25 min)
	S4-2 Join Merck	Lisa Daub (10 min)
	S4-3 From Academia to Industry, my journey to Sanofi	Kaihui HuHe (10 min)
	S4-4 European funding opportunities – Marie Skłodowska-Curie Actions (MSCA) and European Research Council (ERC)	Isabel Herzhoff (30 min)
16:30- 17:00	Coffee Break	
17:00- 18:15	Career Chat – Meet the Speakers	
18:15- 19:00	Key Note Lecture 3 Environmental temperature and longevity	Barbara Cannon
19:00- 20:30	Dinner	



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Program – Friday September 27th

09:00- 10:45	Session 5 Metabolic Pre- and Reprogramming (AMPro Work Package 1)	Chair: Dan Ehninger
	S5-1 Lifespan and healthspan in mice: mechanisms and interventions	Dan Ehninger (30 min)
	S5-2 DHA alters DNA methylation and gene expression in human preadipocytes in vitro and adipose tissue in vivo.	Clarissa Feuerstein (15 min)
	S5-3 SWI/SNF/BAF complex coordinates epigenetic responses to metabolic insults	Clemens Overkott (15 min)
	S5-4 mTOR Lifespan and Aging	Dimitra Lountzi (15 min)
	S5-5 Metabolic reprogramming in intermittent fasting	Katarina Klepac (15 min)
	S5-6 Multiple pathways associate with epigenetic inheritance of diet-induced obesity	Daniela Kaspar (15 min)
10:45- 11:30	Coffee Break & Poster Session III	
11:30- 12:15	Key Note Lecture 4 Adipose tissue heterogeneity and the implications for tissue function	Christian Wolfrum
12:15- 12:45	Prizes Best Poster & Best Talk Closing Remarks	Stephan Herzig Claudia Prothmann
12:45- 13:45	Lunch Buffet	



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Poster Presentations – Wednesday 25th to Friday September 27th

PP-1 Deciphering mechanisms of age-related intestinal stem cell exhaustion by single-cell genomics	Maja Funk
PP-2 Stearic acid blunts growth-factor signaling via oleoylation of GNAI proteins	Hana Nůsková
PP-3 Molecular mechanisms of unconventional translation initiation	Mykola Roiuk
PP-4 LCM-based single-cell epigenomics of aging microglia in Alzheimer's disease using mouse models	Adem Saglam
PP-5 Postprandial Metabolic Effects of Fiber Mixes Revealed by in vivo Stable Isotope Labeling in Humans	Arnab Barua
PP-6 Regulation of H3.3 loading by signaling and metabolism	Ruoyu Zhang
PP-7 Does epigenetic inheritance across generations contribute to diabetes in the polygenic TallyHo mouse model?	Sieglinde Hastreiter
PP-8 Influenza-specific immunity in mice genetically predisposed to metabolic dysfunction	Stephanie Trittel
PP-9 Associations of habitual diet with serum metabolites in children and adolescents of the GINIplus and LISA German birth cohorts	Carla Harris
PP-10 hiPSC in vitro lung model for therapeutic strategies in fibrotic regeneration	Carola Voss

All posters will be displayed during all days of the summer school and the poster presentation will be during the three poster sessions:

Session I - Wednesday, September 25th 2019, 16:30 -17:15
Presentation of following posters: PP-1, PP-5, PP-7, PP-10

Session II - Thursday, September 26th 2019, 10:45 -11:30
Presentation of following posters: PP-2, PP-4, PP-9

Session III - Friday, September 27th 2019, 10:45 -11:30
Presentation of following posters: PP-3, PP-6, PP-8