

Thursday, 21 November 2024

08:30 – 09:00	<i>Registration</i>		Foyer, IMB
09:00 – 09:15	Opening Remarks (Christof Niehrs & Peter Baumann)		Seminar Room, IMB
Keynote Lecture 1			Seminar Room, IMB
Chair: Christof Niehrs			
09:15 – 10:00	Jürgen M. Bauer (Geriatric Center at the University Hospital Heidelberg) The frailty concept - A clinical perspective on biological age?		
Session 1: Hallmarks of Ageing			Seminar Room, IMB
Chair: Christof Niehrs			
10:00 – 10:20	Edward Lemke	Decoding Molecular Plasticity in the Dark Proteome	
10:20 – 10:40	Katharina Papsdorf	Lipid droplets drive longevity induced by monounsaturated fatty acids.	
10:40 – 11:00	Brian Luke	Topoisomerase 1 mutagenesis increases at rNMPs during replicative aging	
11:00 – 11:30	<i>Coffee</i>		Foyer, IMB
Session 2: Systemic Ageing			Seminar Room, IMB
Chair: Susann Schweiger			
11:30 – 11:50	Philipp Wild	Vascular bed-specific epigenetic signatures of atherosclerosis in ageing	
11:50 – 12:10	Susanne Foitzik	Evolution of Differential Aging in Ants	
12:10 – 12:30	Nard Kubben	High-throughput discovery of drivers of premature aging	
12:30 – 12:50	Sara Vieira-Silva	Quantitative approach to monitor the microbiome in a human population	
12:50 – 14:20	<i>Lunch</i>		Foyer, IMB
Session 3: The Ageing Immune System			Seminar Room, IMB
Chair: Kristina Endres			
14:20 – 14:40	Tobias Bopp	Molecular Mechanisms of Regulatory T cell aging and function	
14:40 – 15:00	Wolfram Ruf	Regulation of myelopoiesis in aging	
15:00 – 15:20	Stephan Grabbe	Relevance of beta-2-integrins for the aging immune system	
15:20 – 15:45	<i>Coffee</i>		Foyer, IMB
15:45 – 16:00	Moritz Brandt	Telomere shortening in heart failure and why it matters	
16:00 – 16:15	Borhane Guezguez	From Aging to Blood Malignancies: The Impact of Inflammation on the Bone Marrow Niche	
16:15 – 16:30	Nathaniel Deimler	Gaining mechanistic insights into telomere biology disorders using next and third generation sequencing techniques	
16:30 – 16:45	Maria Felicia Basilicata	Wired for complexity: Metabolic Vulnerabilities in Chromatin-Related Disorders	
Keynote Lecture 2 (hybrid)			Seminar Room, IMB & online
Chair: Peter Baumann			
16:45 – 17:30	David Furman (Stanford Center on Longevity & Buck Institute for Research on Aging) Healthspan Extension : From Aging Biomarkers to Clinical Trials		
from 17:30	Poster Session & Finger Food		Foyer, IMB

Friday, 22 November 2024

Session 4: Neurobiology of Ageing

Seminar Room, IMB

Chair: Peter Baumann

09:00 – 09:20	Carsten Duch	Cellular and Molecular Causes of Motor Aging in the Drosophila CNS
09:20 – 09:40	Susann Schweiger	Premature cognitive aging in a mouse model with mTOR hyperactivity
09:40 – 10:00	Christian Behl	Neurodegeneration and Mediators of Selective Macroautophagy
10:00 – 10:20	Kristina Endres	The aging gut – who to blame?
10:20 – 10:40	Oliver Tüscher	Neurokinin-3 Receptor gene (TACR3) SNP rs2765 – a resilient ageing gene variant?

Keynote Lecture 3

Seminar Room, IMB

Chair: Christof Niehrs

10:45 – 11:30	Steve Horvath (Altos Labs Cambridge Institute of Science) New Advances in Epigenetic Clocks and DNA Methylation Biomarkers
11:30 – 11:45	Closing Remarks (Christof Niehrs & Peter Baumann)