

## Annual Meeting of the German Association for Aging Research

June 29-30, 2023, Volkshaus in Jena, Germany

### THURSDAY, JUNE 29<sup>th</sup>

12.25 – 12.30 pm      **Opening remarks**

**12.30 – 01.15 pm**

---

#### **KEYNOTE LECTURE I**

Introduction: Karl Lenhard Rudolph

**Barbara Rehermann**, National Institute of Diabetes and Digestive and Kidney Diseases, NIH, Bethesda, MD, USA

*Wild-type Microbiota in Preclinical Models of Inflammation and Metabolism*

**01.15 – 02.30 pm**

---

#### **Session 1**

**Chair: Claudia Waskow**, Leibniz Institute on Aging, Jena, Germany

01.15 – 01.30 pm

**Clara Correia-Melo**, Leibniz Institute on Aging, Jena, Germany

*Metabolite exchange interactions – a key modulator of lifespan*

01.30 – 01.45 pm

**Oliver Tüscher**, Leibniz Institute for Resilience Research, Mainz, Germany

*Mechanisms of cognitively resilient ageing*

01.45 – 02.00 pm

**Tabea Melissa Hein**, Ulm University, Ulm, Germany

*NF- $\kappa$ B activation in glia cells is sufficient for accelerated brain inflammaging*

02.00 – 02.15 pm

**Philipp Haas**, Ulm University, Ulm, Germany

*The adaptive response of old ABCB5+ MSCs is impaired upon exposure to LPS*

02.15 – 02.30 pm

**Anjalika Malik**, Leibniz Institute on Aging, Jena, Germany

*Dietary vitamin A restriction prevents sarcopenia by rescuing declines in liver fat metabolism in aging mice*

02.30 – 03.00 pm

**COFFEE BREAK**

**03.00 – 03.45 pm**

---

**KEYNOTE LECTURE II**

Introduction: Helen Morrison

**Miguel Soares**, Institute Gulbenkian de Ciência, Oeiras, Portugal

*How do we survive infections?*

**03.45 – 05.30 pm**

---

**Session 2**

**Chair: Dario Valenzano**, Leibniz Institute on Aging, Jena, Germany

03.45 – 04.00 pm

**Ulrich Stifel**, Ulm University, Ulm, Germany

*Glucocorticoids shape insulin sensitivity and resistance by the adipocyte-macrophage axis*

04.00 – 04.15 pm

**Stephan Culemann**, Leibniz Institute on Aging, Jena, Germany

*Ontogenetic and functional heterogeneity of tissue resident macrophages during aging*

04.15 – 04.30 pm

**Gabriele Morabito**, Leibniz Institute on Aging, Jena, Germany

*Spontaneous onset of cellular markers of inflammation and genome instability during aging in the immune niche of the naturally short-lived turquoise killifish (*Nothobranchius furzeri*)*

04.30 – 04.45 pm

**Weiyi Gong**, Friedrich Schiller University Jena, Germany

*SEMI-1 is a neuronal selenium-binding protein 1 ortholog, modulating stress resistance and lifespan in *C. elegans**

04.45 – 05.00 pm

**George Soultoukis**, German Institute of Human Nutrition, Nuthetal, Germany

*Collagenase 3-mediated extracellular matrix remodelling impairs direct and endochondral ossification in aged bone-resident stromal cells*

05.00 – 05.15 pm

**Shari Gottschalk**, Research Institute for Farm Animal Research, Dummerstorf, Germany

*The short-lived aging model mouse strain Titan*

05.15 – 05.30 pm

**Raul Andino**, University of California San Francisco, CA, USA

*Infection as an evolution driving force determining lifespan*

**05.30 – 07.30 pm**

---

**POSTER SESSION**

**07.30 pm**

**DINNER PARTY (with DJ Dennis), Volkshaus Jena**

## FRIDAY, JUNE 30<sup>th</sup>

**09.00 – 9.45 am**

---

### KEYNOTE LECTURE III

Introduction: Lars-Oliver Klotz

**Thomas Langer**, Max Planck Institute for Biology of Ageing, Cologne, Germany

*Mitochondrial plasticity in ageing and disease*

**09.45 – 11.30 am**

---

### Session 3

Sponsored by Zentrum für Alternsforschung Jena (ZAJ)

**Chair: Karin Scharffetter-Kochanek**, University Hospital Ulm, Germany

09.45 – 10.00 am

**Judith Frydman**, Stanford University, Stanford, CA, USA

*Understanding proteostasis decline during aging*

10.00 – 10.15 am

**Arthur Fischbach**, Max Planck Institute for Biology of Ageing, Cologne, Germany

*Exporting and re-localizing protein aggregates by engineered Hsp104-mediated systems to study aging and disease*

10.15 – 10.30 am

**Christof Niehrs**, Institute of Molecular Biology (IMB), Mainz, Germany

*DNA demethylation and aging*

10.30 – 10.45 am

**Joris Deelen**, Max Planck Institute for Biology of Ageing, Cologne, Germany

*Functional characterization of rare predicted protein-altering variants in genes involved in IIS/mTOR signalling identified in exceptionally long-lived participants from the Leiden Longevity Study and German Longevity Study*

10.45 – 11.00 am

**Stephanie Treibmann**, TU Dresden, Dresden, Germany  
*Scavenging methylglyoxal - a new role of creatine?*

11.00 – 11.15 am

**Vitor Francisco**, University of Coimbra, Coimbra, Portugal  
*Senotherapeutic nanoparticles to target senescent cells in the liver*

11.15 – 11.30 am

**Eva-Maria Piskor**, Center for Molecular Biomedicine (CMB), Friedrich-Schiller-University Jena, Germany  
*Loss of Myc-interacting zinc finger protein 1 (Miz-1) regulates immunocompetence in B cells and increases the risk for clonal expansion of malignant lymphocytes with age*

11.30 – 12.00 pm

**COFFE BREAK**

**12.00 – 02.00 pm**

---

**Session 4**

**Chair: Michael Ristow**, Charité Berlin, Germany

12.00 – 12.15 pm

**Andreas Beyer**, University of Cologne CECAD, Cologne, Germany  
*Ageing-associated changes in transcriptional elongation influence longevity*

12.15 – 12.30 pm

**Ines Tomaskovic**, University Hospital Frankfurt, Goethe University, Frankfurt, Germany  
*Gender and phenotype bias in loss-of-SPRTN-driven Progeroid Syndrome*

12.30 – 12.45 pm

**Asya Martirosyan**, Leibniz Institute on Aging, Jena, Germany  
*Ultraviolet light acts as a dietary restriction mimetic by targeting mitochondrial bioenergetics*

12.45 – 01.00 pm

**Shimin Sun**, Center for Molecular Biomedicine, Jena University Hospital, Jena, Germany

*Vascular endothelium-targeted Sirt7 gene therapy rejuvenates blood vessels and extends life span in a Hutchinson-Gilford progeria model*

01.00 – 01.15 pm

**Nensi Ikonomi**, Ulm University, Ulm, Germany

*Computational modeling of hematopoietic stem cell aging: a single-cell network reconstruction strategy for personalized modeling*

01.15 – 01.30 pm

**Foteini Fotopoulou**, German Cancer Research Center (DKFZ), Heidelberg, Germany

*During ageing, the hematopoietic stem cell genome is protected by dormancy, not apoptosis*

01.30 – 01.45 pm

**Juan-Felipe Pérez-Correa**, RWTH Aachen University Medical School, Aachen, Germany

*Revising existing and new approaches for building epigenetic clocks*

**01.45 – 02.00 pm**

---

**DGfA Prizes for Best Talk and Best Poster**

**CLOSING REMARKS**

**02.00 – 02.30 pm**

**SNACKS / LUNCH**

**02.00 – 03.00 pm**

---

**DGfA Member Assembly**