THURSDAY, JUNE 29th

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-kB 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
**Weiye 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 30th

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**