

SCIENTIFIC SYMPOSIUM ON AGING & DISEASE



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HOST

Stefanie Deinhardt-Emmer
Institute for Medical Microbiology
Jena University Hospital

**OLD CASTLE DORNBURG
SEPTEMBER 02, 2024**

Presented by

**UNIVERSITÄTS
KLINIKUM
Jena**


Buck

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AntiAge

SARS-CoV-2Dx



Interdisciplinary Center
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SCIENTIFIC SYMPOSIUM ON AGING & DISEASE

SEPTEMBER 02, 2024, DORNBURG

Agenda

08:30 Arrival & Morning Coffee

09:00 Welcome // *Stefanie Deinhardt-Emmer*

09:05 Keynote // *A microbial perspective to biology of aging*

Dario Riccardo Valenzano // Leibniz Institute on Aging - Fritz Lipmann Institute (FLI), Jena, Germany

09:55 Idiopathic pulmonary fibrosis drives heterogenous responses to DNA damage and infection during senescence

Brendan Hughes // Buck Institute for Research on Aging, Novato (CA), USA

10:20 Age-dependent alterations of macrophage function lead to increased viral load during influenza A virus infection

Thurid Lauf // Institute of Medical Microbiology, Jena University Hospital (JUH), Jena, Germany

10:35 Cross-Species Insights into the Transcriptomics of Aging

Manja Marz // Faculty of Mathematics and Computer Science, Friedrich Schiller University Jena, Jena, Germany

11:00 Coffee Break

11:30 Technological advances in MS-based proteomics and phosphoproteomics to study ageing

Florian Meier-Rosar // RG Functional Proteomics, JUH, Jena, Germany

11:55 Investigating the role of senescent macrophages in aging: implications for metabolic disease, healthspan, and longevity

Anthony J. Covarrubias // University of California, Los Angeles, USA

12:20 Tendinopathy: What influences tendon biology?

Britt Wildemann // Clinic for Trauma, Hand and Reconstructive Surgery, JUH, Jena, Germany

12:45 Replicating the benefits of sleep with specific DREAM inhibitors

Maria Ermolaeva // Leibniz Institute on Aging - Fritz Lipmann Institute (FLI), Jena, Germany

13:10 Lunch

14:10 Keynote // *Herpes virus and Alzheimer's disease*

Hugo Lövhelm // Department of Community Medicine and Rehabilitation, Umeå University, Umeå, Sweden

15:00 How senses work together. Tactile integration in the adult mouse primary visual cortex

Manuel Teichert // Clinic of Neurology, JUH, Jena, Germany

15:15 Brain-body interaction in ischemic stroke

Katarzyna Winek // Leibniz Institute on Aging - Fritz Lipmann Institute (FLI), Jena, Germany

15:40 NKCC1 chloride cotransporter: its role in stem cell-mediated neurogenesis during aging and Alzheimer's disease

Silke Keiner // Clinic of Neurology, JUH, Jena, Germany

16:05 Microglia mediate neurocognitive deficits by eliminating C1q-tagged synapses in sepsis-associated encephalopathy

Ha-Yeun Chung // Clinic of Neurology, JUH, Jena, Germany

16:20 End of Scientific Part // Coffee Break

16:30 Special // *Anti-Aging Music Session: Music by Bach & Mozart*

Aleksandra Grychtolik & Alexander Grychtolik, Harpsichords

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