

Cellular and Molecular Mechanisms of Aging, the Past and the Future

Friday October 21st 2022

09.00–10:30 Session 1: Chair: Prof. Karin M. Danzer

09:00–09:05 Welcome and Opening remarks Prof. Hartmut Geiger

09.05–09.50 [KEYNOTE LECTURE I:](#)

[Prof. Dr. Dr. Konstanze F. Winklhofer, Ruhr-Universität Bochum](#)

["Mitochondria as a platform of ubiquitin signaling"](#)

09.50–10.05 **Sruthi Krishnamurthy**, AG Prof. Francesco Roselli (Ulm)

"Central and peripheral disruption of Angiopoetin-like protein system in ALS"

10.05–10.20 **Nicole Burkert**, AG Prof. Birgit Liss (Ulm)

"Cell-specific calcium channel expression is associated with differential neuronal vulnerability in Parkinson's disease and its A53T α -synuclein model"

10.20–10.35 **Verena Bopp**, AG Prof. Karin Danzer (Ulm)

"The role of aging for α -synuclein oligomer accumulation in a mouse model for Parkinson's disease"

10.35–11.00 **COFFEE and Snacks**

11.00–12.15 Session 2: Chair: Prof. Hartmut Geiger

11.00–11.30 [CEMMA Alumni:](#)

[Dr. Melanie Scharpf-Rall, Universität Ulm](#)

[„Sex-specific regulation of the DNA damage response in cycling human lymphocytes during aging“](#)

11.30–11.45 **Tanja Schuster**, AG Prof. Hartmut Geiger (Ulm)

"Quantitative analysis of polarity."

11.45–12.00 **Konstantinos Tsesmelis**, AG Prof. Thomas Wirth (Ulm)

"Redox imbalance in astrocytes induces metabolic alterations and accelerates aging"

12.00–12.15 **Fatima Khalid**, AG PD Dr. Sebastian Iben (Ulm)

"TFIIH mutations impact on translational fidelity of ribosomes"

12.15–13.15 **LUNCH**

13.15–14.45 Session 3: Chair: Prof. Karin Scharffetter-Kochanek

13.15–14.00 [KEYNOTE LECTURE II:](#)

[Prof. Dr. Andreas Simm, Martin-Luther-Universität Halle-Wittenberg](#)

["Advanced Glycation Endproducts in Aging: An example of antagonistic pleiotropy?"](#)

14.00–14.15 **Philipp Haas**, AG Prof. Karin Schaffetter-Kochanek (Ulm)

"The Adaptive Response of Old ABCB5⁺ MSCs is Changed Upon Exposure to LPS"

14.15–14.30 **Dominik Pflumm**, AG Prof. Reinhold Schirmbeck (Ulm)

"SARS-CoV-2 vaccine design to induce humoral immune responses in aging mice"

14.30–14.45 **Alina Seidel**, AG Prof. Frank Kirchhoff (Ulm)

"SARS-CoV-2 vaccination of convalescents boosts neutralizing capacity against immune evasive SARS-CoV-2 variants"

14.45–15.15 **COFFEE and Snacks**

15.15–15.45 [CEMMA Alumni:](#)

[Dr. Patrick Meyer, Rentschler Biopharma SE](#)

["Pathways for life science PhDs in industry, my perspective"](#)

15.45–16.00 Closing Remarks