

2022 UW ANNUAL GEROSCIENCE SYMPOSIUM

Hybrid Event: Orin Smith Auditorium, UW Medicine - South Lake Union or Zoom Webinar

Date: October 28th, 2022 | 8:00 AM - 4:00 PMPST

Speaker	Time	Title
---------	------	-------

Matt Kaeberlein	8:00 - 8:05	Introductory Remarks
Rochelle Buffenstein	8:05 - 9:05	Keynote address: A blueprint for successful aging; the long-lived cancer resistant naked mole-rat
	9:05 - 9:15	Coffee Break

Blood and Brain

Rachel Knopp	9:15 - 9:35	Inducing Cellular Senescence in iPSC-Derived Brain Microvascular Endothelial-like Cells Alters their Blood-Brain Barrier Characteristics
Brandon Fico	9:35 - 9:55	The Impact of Aging on Increased Arterial Stiffness and Cerebral Hemodynamics
Mariana Pehar	9:55 - 10:15	Regulation of astrocyte-mediated neuroinflammation by fatty acid-binding protein 7 (FABP7)
	10:15 - 10:30	Coffee Break

Evolution and Aging

Alattin Kaya	10:30 - 10:50	Aging Gone Wild: Unique Insight From Wild Yeast Isolates Into the Mechanisms of Lifespan Variation
Annabel Beichman	10:50 - 11:10	Characterizing mutation spectrum variation across a mammalian phylogeny
Brandon Berry	11:10 - 11:30	Illuminating Longevity Through Metabolism: Optogenetics and Mitochondrial Energetics
	11:30 - 13:30	Lunch Break

T32 Training Grant Round-Table: Beyond Academia

12:30 - 13:30 Panel for trainees/prospective trainees only. Presented by Alessandro Bitto, Mitchell Lee, Lindsay Pino, and Jessica Young

Alternative models in aging research

Jeremy Whitson	13:30 - 13:50	Age is in the Eye of the Beholder: The Crystalline Lens as a Model of Protein Aging
Darrian Bugg	13:50 - 14:10	MBNL1 drives dynamic transitions between fibroblasts and myofibroblasts in cardiac wound healing
	14:10 - 14:30	Coffee Break

Aging and Disease

Marie Davis	14:30 - 14:50	Mechanisms underlying Parkinson's disease: Insights from the genetic risk factor GBA
Renuka Pillai	14:50 - 15:10	Targeting inflammatory pathways to reduce senescence burden and improve premature aging
Alessandro Bitto	15:10 - 15:20	Closing Remarks

[REGISTER FOR FREE:](#)

WASHINGTON.ZOOM.US/WEBINAR/REGISTER/WN_J33_KLECTKQGMLYSOMEVLA

