

# 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 PM PST

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
<b>Blood and Brain</b>		
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
<b>Evolution and Aging</b>		
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 - 11:40	Coffee Break
<b>Special Presentation: Beyond Academia</b>		
TBD	11:40 - 12:15	TBD
	12:15 - 13:30	Lunch Break
<b>Alternative models in aging research</b>		
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
<b>Aging and Disease</b>		
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

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