

UAB THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

AGING BIOLOGY UPDATE

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UAB NATHAN SHOCK CENTER OF EXCELLENCE
IN THE BASIC BIOLOGY OF AGING

May 2024 ABU

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[Using AI to discover drugs that target aging.](#)

[Identification of prospective aging drug targets via Mendelian randomization analysis](#)

Basic

[Abrupt increases in DNA methylation pattern with age seen in male mice](#)

[New mechanisms driving age-related macrophage dysfunction](#)

[Increased readthrough and intron retention drives transposon expression during aging.](#)

[A \(nearly\) pan-tissue decline in stemness during human aging.](#)

[Procyanidin C1 alleviates decline in the aging retina](#)

[Fetal influence on the human brain through the lifespan](#)

[Cyclophilin A can affect hematopoietic stem cell aging.](#)

[Neuronal cell cycle reentry in the aging brain can lead to cellular senescence](#)

[Neuroprotective treatment mitigates age-related muscle weakness in aging male mice](#)

[Microglia-derived extracellular vesicles trigger age-related neurodegeneration](#)

[Inhibition of S6K lowers age-related inflammation and increases lifespan in flies](#)

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Special Issue: [Factors affecting senescence](#)

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Preprint: [STING promotes maintenance of tissues and longevity](#)

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[Systolic blood pressure <130 mmHg associated with increased probability of living to 90 in women age >65](#)

[Systematic review finds mediterranean diet benefits health of postmenopausal women](#)

[History of childbirth associated with lower risk of lung cancer in an Asian cohort](#)

[Population aging caused a decrease in global health between 1990 and 2021](#)

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[APOE loss-of-function variants defend against Alzheimer's pathology without shortening life](#)

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[Why so many understudied genes associated with health and aging? Reasons and a tool](#)

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[The natural history of luck and longevity](#)

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[Comparative analysis of menopause evolution in toothed whales](#)

[Telomere biology and its association with life history traits across metazoan taxa](#)

[Selection for dispersal extends lifespan in female, but not male, flour beetles](#)

[Chromosomal domain arrangements associated with termite evolution are enriched for functions related to longevity](#)

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[Genomic signatures of extreme longevity and negligible senescence in the red sea urchin](#)

[Could social insects unlock secrets of reproductive longevity?](#)

[Intriguing differences in senescence-associated \$\beta\$ -galactosidase staining over the lifespan in zebrafish vs killifish](#)

[Evolution of T cells in the long-lived, cancer-resistant naked mole-rat](#)

[Epigenetic clocks in harvested black bear, white-tailed deer, and mountain goats](#)

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[Helminth parasite burden not associated with shorter telomeres in wild Soay sheep](#)

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