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Aging Biology Update

Brought to you by the **UAB NATHAN SHOCK CENTER
OF EXCELLENCE IN THE BASIC BIOLOGY OF AGING**

Featured

[Past, present and future perspectives on the science of aging](#)

Basic Biology

[ACE inhibitor prevents age-related increase in oxygen consumption in same sex groups of flies](#)

[Blood cell mitochondrial respiration increases with age in one sex or the other depending on cell type](#)

[Loss of proteostasis with aging leads to platelet hyperactivity in mice and humans](#)

[Neuron-glia interactions show sex-specific effects on fly longevity](#)

[Are you lonesome tonight? Fewer cage mates increases mortality for female, but not male, ITP mice](#)

[Age-specific effects of cardiac Foxo1 drive divergent responses to sepsis in young and middle-aged mice](#)

[Synaptic proteins degrade more slowly and accumulate in microglia of aged mice](#)

[Female umbilical vein epithelial cells display greater senescence-resistance in culture than male cells](#)

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First do no harm: [protecting patients from unintended consequences of blood-based biomarkers for Alzheimer's disease](#)

[Age-related changes in whole-body dynamic balance, trunk stability, functional mobility, and hip strength suggest means to preserve balance and functional independence](#)

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[Proteomic organ aging clocks predict disease and longevity in diverse human populations](#)

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[Regular, long-term engagement in most types of physical activity is associated with lower mortality independent of activity levels](#)

[Increasing moderate-to-vigorous physical activity by 5 minutes a day might prevent 10% of all deaths](#)

[COVID-19 continues to exact a high toll on older US adults](#)

[Vascular risk factors for cognitive decline and dementia are sex- and APOE genotype specific](#)

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Women's Health and Aging

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[Higher follicle-stimulating hormone, but not estradiol, levels are associated with poorer cognitive performance and cerebral A \$\beta\$ deposition in postmenopausal women](#)

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[Do small noncoding RNA's mediate caloric restriction's effects on aging? Data from the human CALERIE trial](#)

[Caloric restriction and intermittent fasting increase body weight homeostasis and lifespan in outbred female mice](#)

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[A method for epigenetic age estimation in the absence of known-age individuals using Hawaiian False Killer Whales](#)

[Sexually antagonistic selection, X-chromosome relatedness and the evolution of menopause in killer whales](#)

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Aging Biology Update is brought to you by the UAB Nathan Shock Center and compiled by Kathleen Fischer and Steven Austad.

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