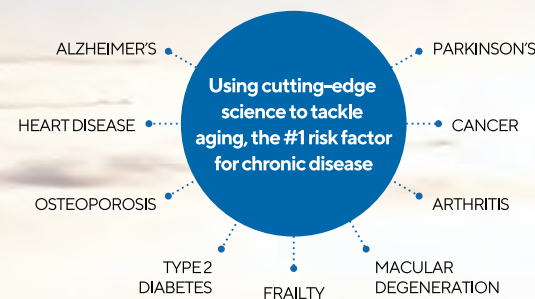




The first independent biomedical research institute in the world focused solely on aging.



OUR MISSION

To end the threat of age-related disease for this and future generations

Live better longer.

Recognized by global media as the premier aging research institute:



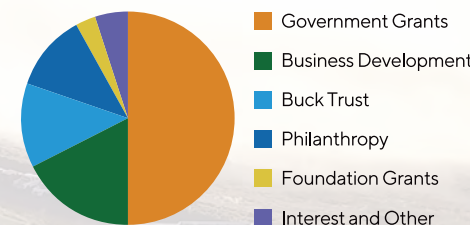
110+ scientific papers published each year

90+ collaborations worldwide

Home of the country's first PhD program in the biology of aging

247 employees from **26** countries

Total budget for FY2027: \$62.7M



Birthplace of Geroscience, at the intersection of aging and chronic disease

Incubator of numerous longevity biotech startups

FAST FACTS



Eric Verdin, MD | CEO & Professor
Dr. Verdin has led the Buck since 2016. His lab studies the relationship between aging and the immune system.



Julie Andersen, PhD | Professor
On the road to new therapeutics for neuro-degeneration, including Alzheimer's and Parkinson's disease.



Chris Benz, MD | Professor
Undertaking bench-to-bedside and community efforts to reduce the incidence of breast cancer and improve patient outcomes.



Francesca Duncan, PhD | Associate Professor in Residence
Understanding interplay between aging ovarian microenvironment, egg quantity and quality.



Lisa Ellerby, PhD | Professor
Understanding the pathways that lead to nerve cell death in Huntington's disease and other neurodegenerative disorders.



David Furman, PhD | Associate Professor
Applying artificial intelligence in systems and computational immunology of aging.



Pejmun Haghighi, PhD | Professor
Tuning neural function as it relates to aging and age-related diseases.



Malene Hansen, PhD | CSO & Professor
Investigating the role and regulation of the cellular recycling process autophagy in aging and age-related diseases.



Claudio Hetz, PhD | Professor in Residence
Addressing abnormal protein aggregation as a central hallmark of neurodegeneration.



Leroy Hood, MD, PhD | CIO & Distinguished Professor
Fueling the future of healthy aging through personalized, data-driven science.



Pankaj Kapahi, PhD | Professor
Understanding the role of nutrition and energy metabolism in lifespan and disease.



Gordon Lithgow, PhD | Professor
Uncovering genes and small molecules that prolong lifespan through enhanced molecular stability.



Simon Melov, PhD | Professor
Identifying molecular hallmarks of aging to guide the development of anti-aging therapies.



John Newman, MD, PhD | Assistant Professor
Harnessing metabolic signals to treat geriatric syndromes of aging.



Nathan Price, PhD | Professor
Uncovering how protein pathways are implicated in aging and disease.



Birgit Schilling, PhD | Professor
Uncovering how protein pathways are implicated in aging and disease.



Tara Tracy, PhD | Assistant Professor
Investigating the mechanisms that promote memory loss in Alzheimer's disease and other age-related dementias.



Peter Walter, PhD | Professor
Decoding the stress responses that safeguard cell health — and harnessing them to combat age-related disease.



Ashley Webb, PhD | Associate Professor
Investigating the molecular mechanisms of brain aging and neurodegeneration.



Dan Winer, MD | Associate Professor
Understanding the role of the immune system in aging and chronic metabolic disease.



Kai Zhou, PhD | Assistant Professor
Understanding the plasticity and homeostasis of the cellular proteome under stress conditions and aging.

CLINICAL TRIALS

Translational Research Comes to Buck

The Buck Institute now has a dedicated **Clinical Research Unit**. The Buck CRU investigates how Buck discoveries in the molecular biology of aging may impact the health and resilience of older adults.



Beta-cell Evaluation Via data-driven Assessments (BETA)
Constructing a non-invasive predictor of pancreatic beta-cell function Type II Diabetes and Pre-diabetics



Buck Institute Geroscience (BIG) Biobank
Collecting blood to accelerate aging research



Glycation Reduction and Aging, a Clinical Evaluation (GRACE)
Sugar-stress-lowering supplement for postmenopausal women



Molecular Optimization via Exercise (MOVE) Study
Exploring the effects of exercise on aging



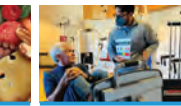
Targeting Aging with a Ketone Ester for Function in Frailty (TAKEOFF)
Determining if putting at-risk older adults into ketosis can stave off frailty



Temporal Investigation of Multimodal Elements (TIME)
Observing molecular and digital health markers across daily and weekly timescales



Strategies to Augment Ketosis (STAK)
Variations in Ketone Metabolism (VKM) [STAK-VKM]



Ketone Ester (BIKE) Study - CLOSED
The safety and tolerance of ketone drinks in older adults

If you are interested in participating, scan the QR code to apply. Please note that there are specific criteria that need to be met for the individual studies. Check out our website to see if you would be eligible.



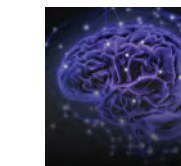
In partnership with



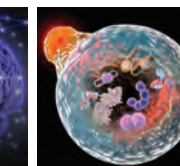
OUR FOCUS AREAS

Tackling Aging through Multiple Avenues of Inquiry

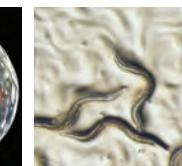
The Buck is addressing the immense complexities of the aging process through many approaches. Each complements the other in a concerted effort to slow down, or even reverse, aging. All of our work is geared toward the ultimate goal of discovering new therapies and interventions that will improve healthspan.



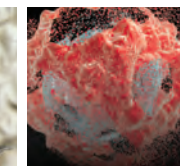
AI and computational biology



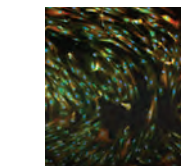
Autophagy



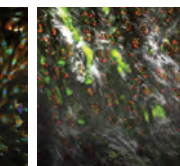
Basic mechanisms of aging



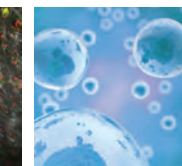
Cancer associated with aging



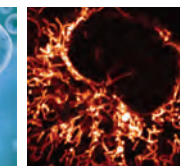
Cellular stress and disease



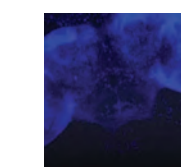
Exercise, nutrition, and metabolism



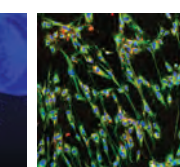
Ovarian aging



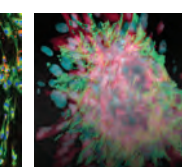
Mitochondria and bioenergetics



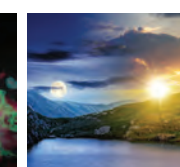
Neurodegeneration and brain aging



Senescence and inflammation



Stem cells and regenerative medicine



Sleep and circadian rhythm

Learn more at [buckinstitute.com/research](https://www.buckinstitute.com/research)

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Help accelerate Buck Science and discoveries with the Innovation Fund.

The **Buck Innovation Fund** is the best way to get to know the Buck and its exciting research. As a Buck Innovation Partner, you will receive regular updates from Buck labs, and be among the first to understand the practical steps you can take to improve your own health and wellness.

The Innovation Fund provides Buck researchers with invaluable seed capital to pursue their most promising ideas. It gives them the financial resources to investigate the biological mysteries of aging and the chance to develop interventions that push back disease and increase human healthspan – the healthy years of life.

Take Your Involvement with Buck Science to an Even Higher Level

Buck Impact Circle: Join a dedicated group of fellow donors to select a single promising aging research project to fund and follow for one-year.

Sponsor a Study: Co-design a research study to investigate a specific disease or area of aging of interest to you.

Buck Fellowship: Back the career of a promising PhD student or postdoctoral researcher as they trailblaze new approaches in aging research.

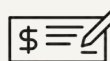
Reach out to the Buck Philanthropy Team at
philanthropy@buckinstitute.org to discuss how your philanthropy can make the greatest impact.

Ways to Give



Online

Use our secure form to make an immediate impact by giving.



By Mail

Checks of any amount can be mailed to:

Buck Institute
Attn: Philanthropy
8001 Redwood Blvd
Novato, CA 94945



Other methods:

- Gifts of Security
- By Wire
- From your DAF or IRA/QCD

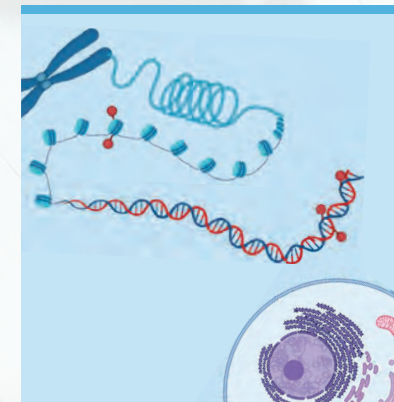


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Buck Innovation Fund

The Buck Institute is a 501(c)(3) nonprofit organization.
We rely on donations to support our mission to end the threat of age-related disease for this and future generations.

There's always more to learn about
how to live better longer!

LEARN



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and Brianna Stubbs as they
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