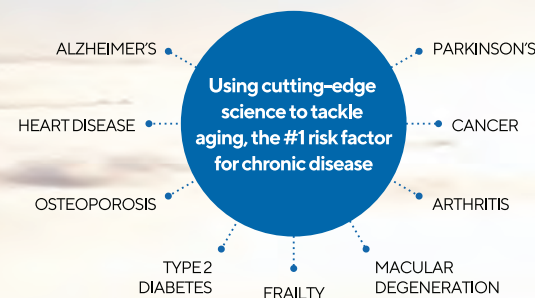




The first independent biomedical research institute in the world focused solely on aging.



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

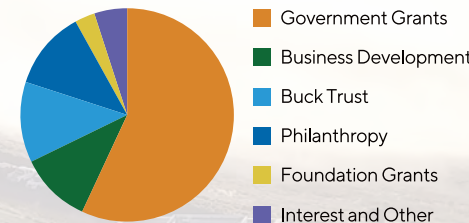
Recognized by global media as the premier aging research institute:



**110+** scientific papers published each year  
**90+** collaborations worldwide

Home of the country's first PhD program in the biology of aging  
**243** employees from **37** countries

Total budget for FY2026: \$66.5M



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

Incubator of numerous longevity biotech startups

FAST FACTS

Live better longer.



**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.



**Pierre-Yves Desprez, PhD** | Professor in Residence  
Taming cellular senescence, the source of chronic inflammation implicated in major age-related diseases.



**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.



**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.

LEADERSHIP

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.

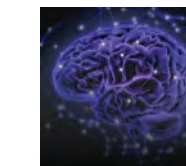


In partnership with **researchmatch**

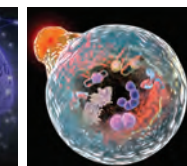
OUR FOCUS AREAS

## Tackling Aging through Multiple Avenues of Inquiry

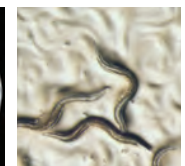
The Buck is addressing the immense complexities of the aging process through many approaches. Each complements the other in a concerted effort to slow down, or even reverse, aging. All of our work is geared toward the ultimate goal of discovering new therapies and interventions that will improve healthspan.



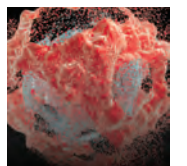
**AI and computational biology**



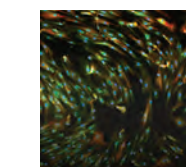
**Autophagy**



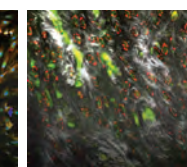
**Basic mechanisms of aging**



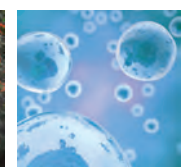
**Cancer associated with aging**



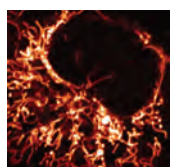
**Cellular stress and disease**



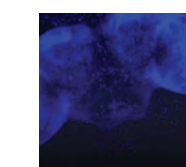
**Exercise, nutrition, and metabolism**



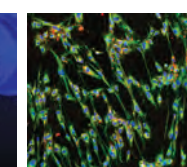
**Ovarian aging**



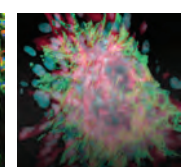
**Mitochondria and bioenergetics**



**Neurodegeneration and brain aging**



**Senescence and inflammation**



**Stem cells and regenerative medicine**



**Sleep and circadian rhythm**

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

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8001 Redwood Blvd. Novato, California 94945 | 415.209.2000

Tax ID# 94-3030609

## 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.

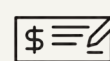
Reach out to the Buck Philanthropy Team at  
[philanthropy@buckinstitute.org](mailto:philanthropy@buckinstitute.org) to discuss how your philanthropy can make the greatest impact.

### 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
- Cryptocurrency
- By Wire
- From your DAF or IRA/QCD

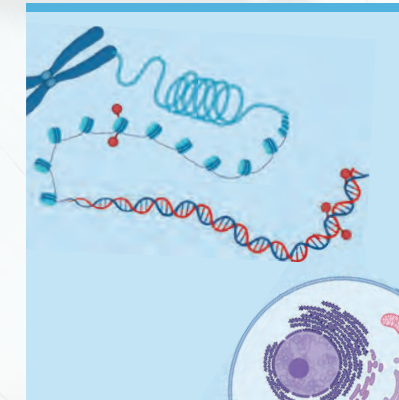


Donate at any level to the  
**Buck Innovation Fund**

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



Get an insider's view on  
how research on aging can  
transform your health in our  
free online course.

**Enroll today!**  
[onlinelearning.buckinstitute.org](http://onlinelearning.buckinstitute.org)



### LISTEN

We're not  
getting any  
younger...  
yet.



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and Brianna Stubbs as they  
speak with the brightest  
minds in the field.

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