BIONGE

INVESTING IN THE AGE OF LONGEVITY NOVEMBER 2022

BioAge is a platform-driven, clinical-stage biotechnology company advancing a growing portfolio of therapies that treat severe diseases by targeting the molecular causes of aging

Powerful human-first discovery platform with key competitive moats

Clinical-stage portfolio

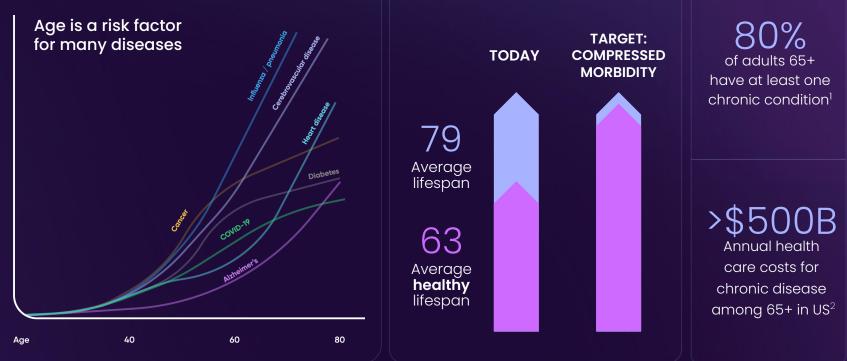
Proven track record of results, with \$127M raised to date

BIOAGE

BioAge is changing the nature of aging.

What could you do with more healthy time?

Aging is one of the greatest challenges for human health



Sourc

4

1. "The Top 10 Most Common Chronic Conditions in Older Adults." The National Council on Aging. April 2021. https://www.ncoa.org/article/the-top-10-most-common-chronic-conditions-in-older-adults 2. Centers for Disease Control and Prevention, https://www.cdc.gov/chronicdisease/about/costs/index.htm#-text=MoreX20thanX20877%2C500%20Americans%20dia/lost%20productivity%20on%20Ihe%20job 4. Van Houtven G, Honeycutt AA, Gliman B, et al. Costs of Illness Among Older Adults An Analysis of Six Major Health Conditions with Significant Environmental Risk Factors [Internet]. Research Triangle Park (NC): RTI Press; 2008 Sep. Available from: https://www.cbinlm.ingov/books/NBK53246I/doi: 10.3768/rtipress.2008.rc.00020809. BIONGE

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However, there are many natural examples of exceptional longevity



400 years

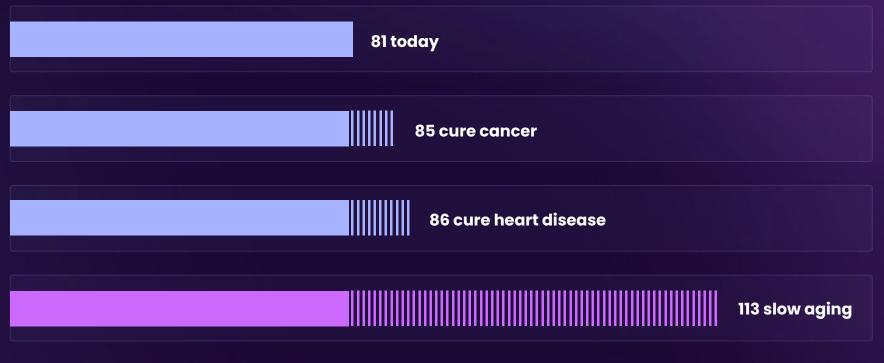


5000 years



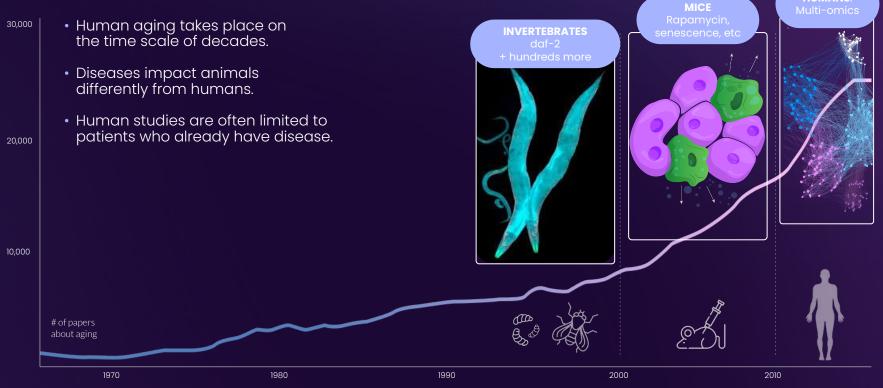
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Curing major diseases would have a modest impact on human lifespan; slowing aging holds greater promise



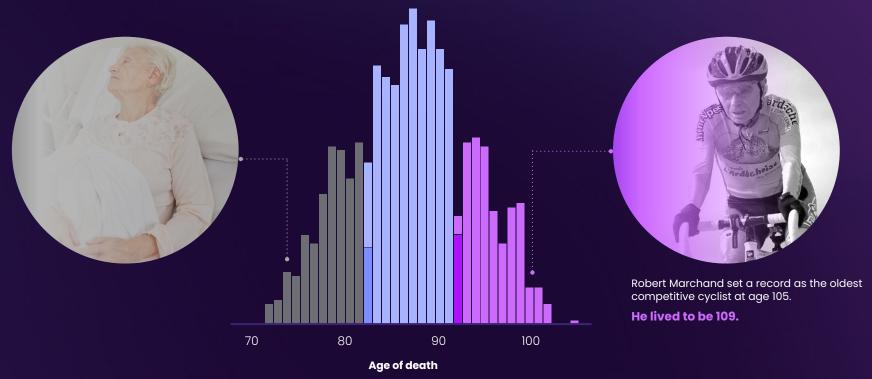
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The study of human aging is accelerating: AI & ML are enabling us to directly interrogate human aging



BIOAGE

We know there are many pathways that impact human lifespan; It is our mission to find them



BIOAGE

We are driven by data: AI, biobanks, and multi-omics are enabling us to directly decode the biology of human aging

We collect data over a lifetime 65M+ Molecular data points CONTRACTOR DESCRIPTION OF A 191 COMPANY OF THE OWNER OWN Patients -----45+Years of collection

OUR PLATFORM

Our proprietary platform gives unprecedented visibility into human aging, including detailed clinical outcomes

Lifespan outcomes

All-cause & cause-specific mortality

Demographics and lifestyle

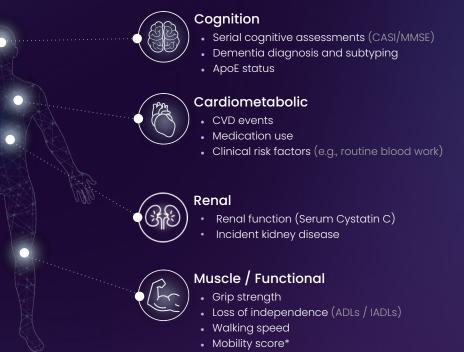
- Education
- Smoking history
- Alcohol, diet, exercise

Other deep phenotypes

- Body composition
 (e.g., skinfold thickness, ABI)
- Lung capacity (e.g., FEV, COPD status)

Note

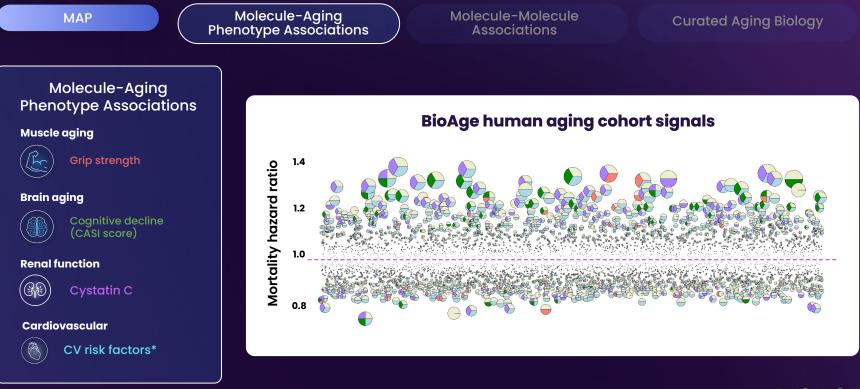
*difficulty with walking 1/2 mile, walking around the house, getting out of beds or chairs, walking up a flight of stairs, or getting to and using the toilet; ** as defined in Abbott et al. 1994



Physical activity index**

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Proteins measured in our longitudinal patient samples reveal strong signals for longevity and healthspan outcomes



Note: Target considered signal if significantly associated with 2+ CV risk factors: total cholesterol, HDL, LDL, Systolic BP, Diastolic BP, Fasting glucose, CRP, MCP-1 and ICAM-1

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OUR PLATFORM

Our human-first, data-driven approach enables us to make multiple orthogonal bets across known and novel aging biology



We aim to benefit the patients of today

Rapid, clinic-ready drugs



Near-term multi-mechanistic bets These drugs can benefit patients <u>today</u>

Reprogramming Gene and cell therapies



Xenotransplanted organs Artificial chromosomes



Timeline to patient benefit

We focus on 3 thematic areas of aging given high levels of unmet need and a strong strategic position



BIOAGE

A pragmatic approach to an existential challenge:

We start with acute, high unmet need indications given rapid time to value creation



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Diverse professional experience across the biopharma ecosystem and a proven track record of success

LEADERSHIP TEAM



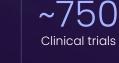
Kristen Fortney, PhD Co-Founder, CEO



Eric Morgen, MD Co-Founder, COO



Paul Rubin, MD CMO & EVP Research



BOARD MEMBERS



Vijay Pande, PhD Partner al6z



Ann Neale



Dov Goldstein, MD, MBA



Peng Leong, PhD, MBA CBO & TA Head, Brain Aging

~100

US regulatory approvals

130

INDs



Jason Coloma, PhD CEO Maze Therapeutics



Rekha Hemrajani, MBA CEO Jiya Acquisition Corp.



We have developed differentiated R&D capabilities that enable scalability and deepen our competitive moats

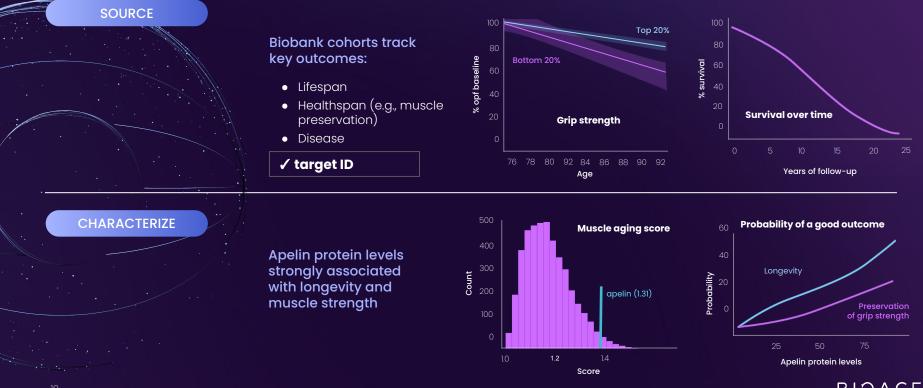
R&D process



Proven expertise in data science, aging biology, discovery, and development

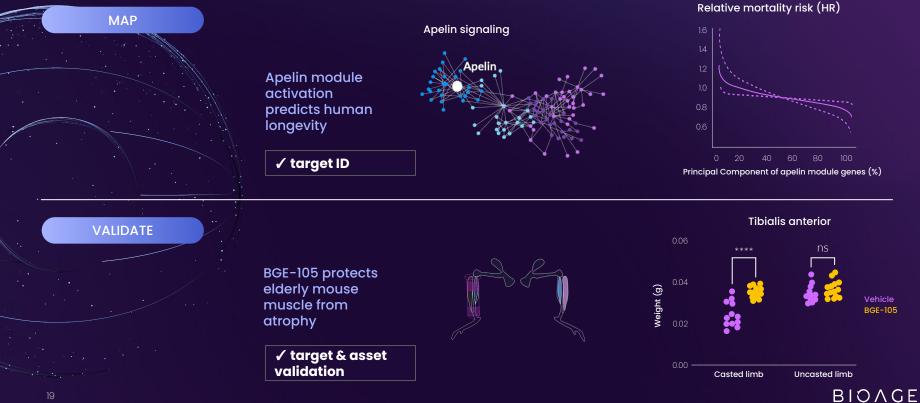


Our platform enables accelerated progression from analysis to asset: apelin case study

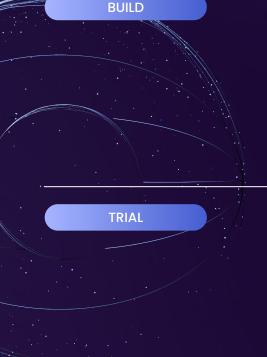


BIOAGE

Our platform enables accelerated progression from analysis to asset: apelin case study



Our platform enables accelerated progression from analysis to asset: apelin case study

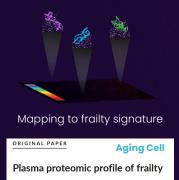


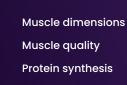
We licensed BGE-105 from Amgen for development in muscle aging indications



We initiated a Ph1b trial in healthy elderly volunteers at bedrest, which will include muscle evaluation and biomarker profiling

SomaScan proteomics

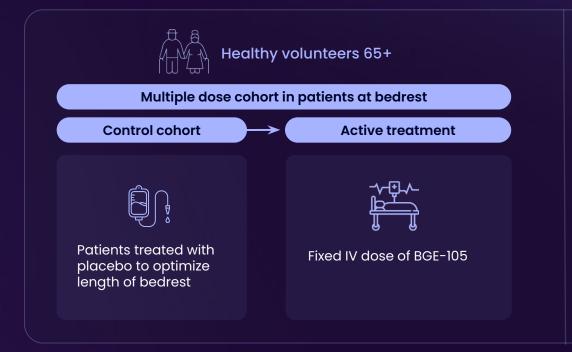




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BGE-105: PH1B DESIGN

Our muscle aging Ph1b includes endpoints for muscle size and dimensions, quality, and protein turnover





Endpoints

Pharmacodynamics

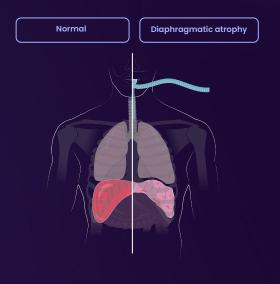
- Muscle size and dimensions
- Muscle quality (fatty degeneration)
- Muscle mass and protein turnover

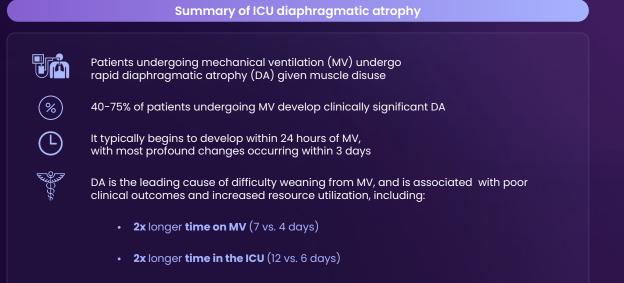
Pharmacokinetics

Biomarkers, including proteomics

Safety

ICU diaphragm atrophy results in poor clinical outcomes & significant resource utilization



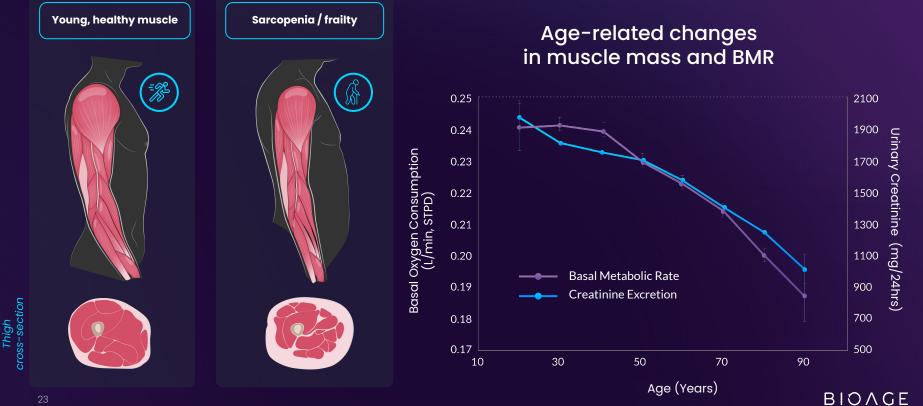


• **4x** higher **in-hospital mortality** (27% vs. 7%)



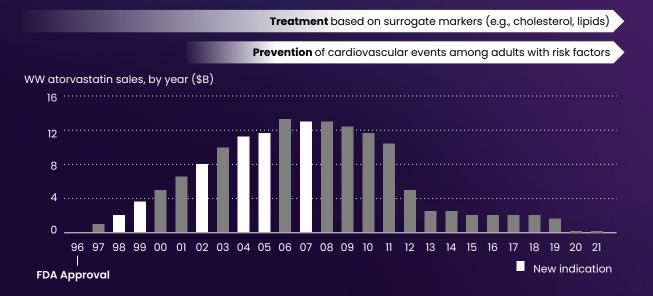
High unmet need: there is no approved therapeutic for prevention or treatment of DA

Sarcopenia: a key component of age-related frailty Age-related loss of skeletal muscle mass



OUR PIPELINE

Potential for broad indication expansion and value creation, from acute to chronic diseases of aging





Our aim should be to help our patients die young as late as possible."

Tenley Albright, Surgeon

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