BIOTECH EXPLORERS

A NEW HUMAN BODY FOR THE MODERN AGE

- For Immediate Release –

Silicon Valley Startup Announces Planned Trials of "Fountain of Youth" Treatment Targeting 130-Year Lifespans for Astronauts

The longest known human lifespan is 122… this project aims to surpass that barrier – like breaking the Mach 1 Sound Barrier in 1947 – using infusions of bioreactor-grown mitochondria. This treatment is also intended to address radiation, stress, and low gravity during space travel, and help the millions of people on earth with premature aging diseases.

Pleasanton CA, April 3, 2024 - The United States, China, Japan, and other nations are preparing new efforts to colonize the moon, while SpaceX aims for Mars. But the radiation and low-gravity of extended space travel will saddle new astronauts with significant medical problems – including premature aging. Meanwhile on earth there are diseases which also cause premature aging, for example, children born with mitochondrial damage or cancer survivors who have undergone chemotherapy. Fortunately, there is a new wave of life-extension breakthroughs, funded by billions of Silicon Valley dollars, that are ready to be tested.

Now Biotech Explorers, a startup based on research from Stanford and other major universities, is announcing the first-of-their-kind planned human trials of age reversal. These trials aim for a 130-year human lifespan, initially for astronauts and people with certain early-aging diseases.

These trials will use bioreactor-grown young mitochondria, transplanted into the body, to restore the decline in mitochondria… a primary cause of age and many chronic diseases. Similar mitochondrial transplantation treatments have already been used safely for rare human diseases, however this will be the first time they are used in the necessary quantities (potentially as much as 10% added mitochondria) to reverse aging or prevent space-related disease.

Why aim for 130-year lifespans? One aging researcher explains it this way: "In the late 1940s there was a huge effort to build aircraft to break the sound barrier…about 750 miles per hour. Now it's time for a project to break the age barrier – the oldest that any human being has ever lived – 122 years old – while staying strong, vital, and healthy."

The Explorers

Jeff Davis, 75

Gail Koral, 74

Ed LaBarre, 80

Ellen Arbit, 79

For this effort, a group of people in their 70s and 80s have volunteered to carefully and rigorously test the safety of the new treatment. Tests will be performed in Japan or similar locations at leading regenerative medicine clinics, with observation and management by an international coalition of scientists and physicians. Other volunteers are under consideration. Trials are currently scheduled to start in late 2024.

This project is advised by recognized experts in aging and genetics from parent company Mitrix Bio Inc., including Dr. Mike Snyder, head of Genetics Department at Stanford, Dr. Thomas Rando, recognized world authority on aging from UCLA, and a top team of scientists from the USA and Canada. Mitrix Bio has been publishing extensive peer-reviewed research on age-reversal over the past 3 years.

Volunteer Ed LaBarre, said: “The Internet has expanded the power of the human brain a hundred-fold, rockets shoot us to other planets, but we’re still stuck with these frail, short-lived physical bodies. It makes no sense. We’re past-due for an upgrade.”

In addition to extended lifespan, the team aims to prove ultra-rapid wound healing, enhanced infection and radiation resistance, muscle regeneration, and other medical treatments that will be needed by people living in space.

Once tested, these techniques will be made available internationally to space agencies and healthcare researchers, for current and former astronauts. Plans are also under development to extend the volunteer pool to prominent scientists, artists, and entrepreneurs who have made significant contributions to society, and for military and emergency responders.

About Biotech Explorers, a subsidiary of Mitrix Bio, Inc.

Biotech Explorers (www.explorers.bio) is a wholly-owned subsidiary of Mitrix Bio Inc, a Silicon-Valley-based startup doing research into mitochondrial bioreactors. Mitrix Bio is funded by R42 Group, Methuselah Fund, Longevitytech.Fund, quadraScope, and Lauder Partners, with research partnerships from Stanford University, University of Connecticut Technology Incubation Program, Universitè Laval Quebec, and University of Kentucky.

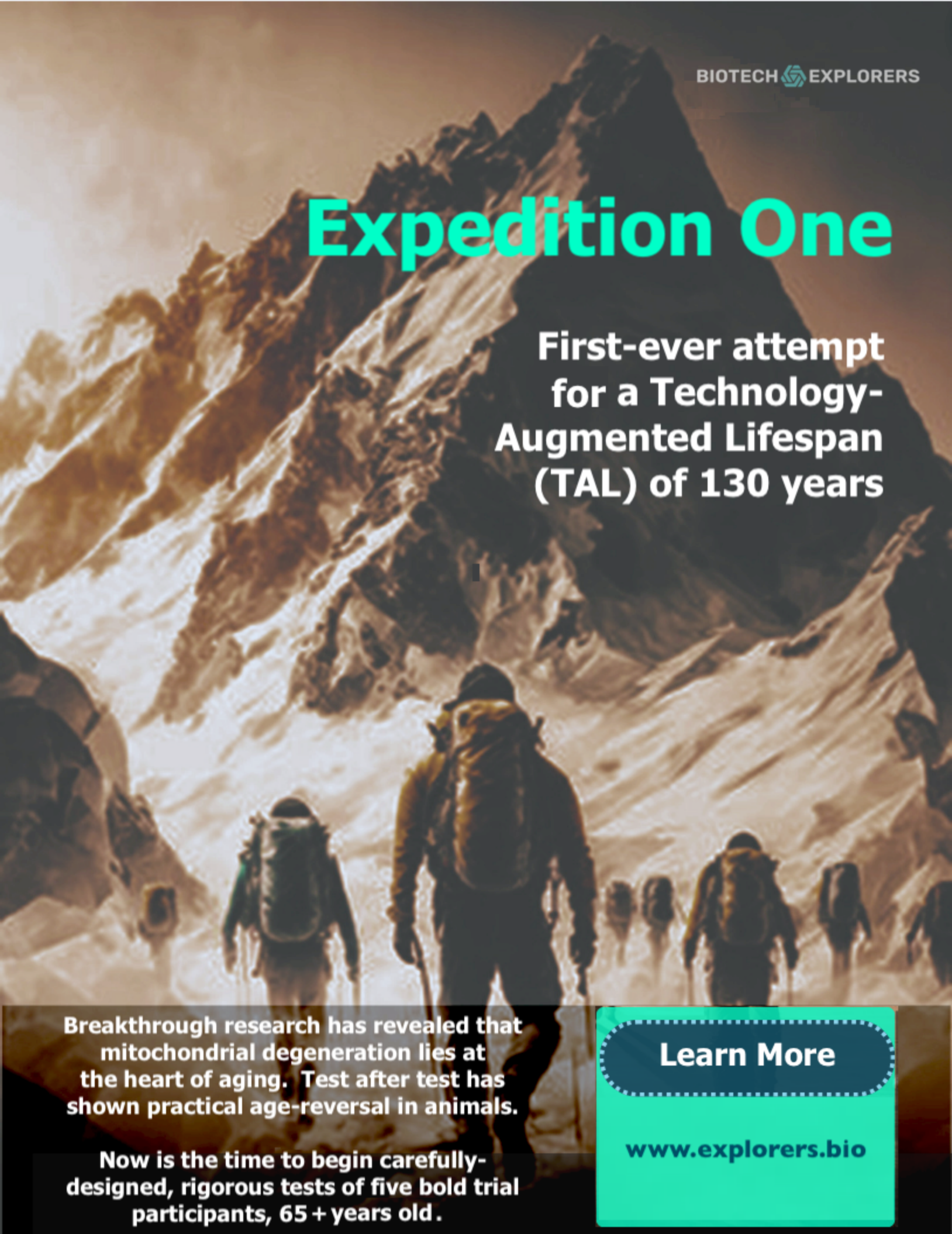
Disclaimer

The treatments discussed in this document are purely experimental, unproven, not yet tested in human patients, and not available for human use.

Contact:

Biotech Explorers web site: www.explorers.bio or email info@explorers.bio
Mitrix Bio Inc.: www.mitrix.bio

Copyright © 2024 Mitrix Bio Inc. All Rights Reserved. www.mitrix.bio


BIOTECH EXPLORERS
Expedition One
First-ever attempt for a Technology-Augmented Lifespan (TAL) of 130 years
Breakthrough research has revealed that mitochondrial degeneration lies at the heart of aging. Test after test has shown practical age-reversal in animals.
Now is the time to begin carefully-designed, rigorous tests of five bold trial participants, 65+ years old.
Learn More
www.explorers.bio

Trial Volunteers

Jeff Davis Age**: 75**

"I've been researching and testing anti-aging science for many years. Friends ask me: "don't you want to wait until it is better proven?". My response is: "Are you kidding? I don't have time for that…I have to take my shot now! We are futurists."

Gail Koral Age**: 74**

"There are a lot of younger women and children, who have diseases that might be cured if we can prove this works. I think it's totally appropriate for someone my age to be the first to test it… if it helps me, and helps others, then that's wonderful."

Ed LaBarre Age**: 80**

"The high-tech field is pouring money into AI and into brain interfaces…which is all great, but what is the point of having all this mental and informational power, if we still have these weak short-lived bodies? We need to invest more effort into improving human beings physically."

Ellen Arbit Age**: 79**

"Life is beautiful. The world is beautiful. Yes, I would like to keep enjoying it and helping it unfold, and I'd like to be healthy and able to make meaningful contributions during that time…"

Thanks to volunteers who provided mitochondrial samples or support:

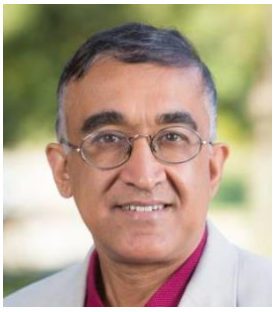
- Petr Sramek
- Ryan Wada
- Claire Benson
- Dr. Aneal Khan
- Dave Gobel
- Anastasiya Giarletti
- The Lauder Family
- Fiona Miller & David Sozanski

Partner organizations performing research or clinical support

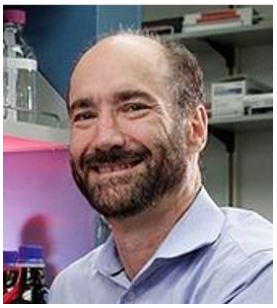
- Stanford University
- University of Connecticut
- University of Kentucky
- Université Laval, Quebec

Oversight Committee

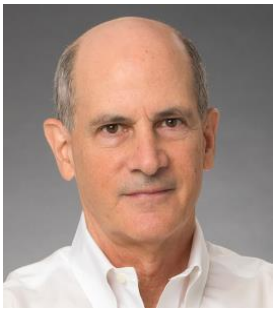
There have been many non-scientific attempts at age-extension throughout history, making it difficult for the average person to know what to believe. Our Oversight Committee is a blue-ribbon group of experts in gerontology, medicine, and technology, who will oversee the project, ensure safety and scientific integrity, and judge whether the tests have successfully reversed age as predicted.



Rojon Nag, PhD. Founder R42, Inventor, Adjunct Prof. in Genetics, at Stanford Medicine. Recognized expert in longevity science. Silicon Valley Hall of Fame Inductee



Mike Snyder, PhD. Chair of Genetics and Director of Genomics at Stanford University, co-founder of over a dozen biotech firms



Thomas Rando, MD PhD. Director of UCLA Broad Stem Cell Research Center and Professor, Depts of Neurology and Molecular, Cell and Developmental Biology

Gary Hudson. Chairman Oisin Bio, Former CEO Turn.Bio, Founder of multiple commercial space firms, President of Space Studies Institute

Fiona Miller. Managing Partner at quadraScope Ventures. Serial Entrepreneur, holder of 10 patents, Founder and CEO of octoScope and Azimuth Systems.

Dane Gobel. Executive Committee, Biomarkers of Aging Consortium. Co-Founder Methuselah Fund

Copyright © 2024 Mitrix Bio Inc. All Rights Reserved.

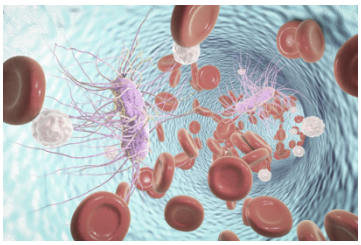
Science

MRAH

Mitochondrial
Restoration
Accelerated
Healing

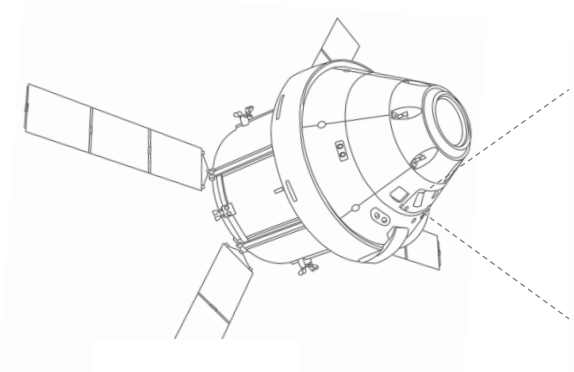
- A mixture of autologous bioreactor-grown mitochondria combined with growth factors and other biologics
- Compact cryogenic storage with 6-12 month shelf life
- Suitable for intravenous, topical, or inhaled application

- Acute: Ultra-rapid wound/burn healing, treatment for radiation, infection, ischemia, stroke, muscle atrophy, renal, hepatic, cardiovascular dysfunction
- Long term: Low-G atrophy reversal, lifespan extension

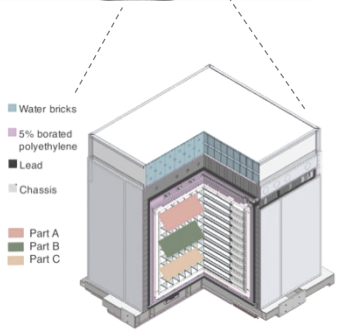


IVM-HMB

InVehicle
Radiation
Hardened
Mitochondrial
Bank



- Radiation-hardened triple-redundant shockproof vacuum-proof cryobank for MRAH biologic healing agents



- Integral AI and "digital-twin" technology to assist treatment
- Integral sterile mixing and administration unit
- Suitable for 6,10, 14 crew size

These specifications are experimental and preliminary. This technology is not yet tested or approved for human use. For information only.

BIOTECH EXPLORERS
A NEW HUMAN BODY FOR THE MODERN AGE

Copyright © 2024 Mitrix Bio Inc. All Rights Reserved.