

## CV

Ryan Rossner, PhD

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I am a high-agency, low-administrative burden, team-oriented, advanced scientist with rapidly expanding business acumen who is seeking to increase individual sovereignty towards higher mission and market success. Proposing trial period of 12 months for small team I recruit and lead, full capital and business advisory support requested. Team will identify and solve the most meaningful biological problems in genetics, longevity, and performance optimization.. ROI will be a combination of monopoly-grade IP and cultural capital (art, media) that confers status and shapes narrative.

One position I hold about which most people disagree is that every human genome is terrible compared to any serious model of an optimal human genome. Additionally, I argue that genome analysis and optimization is much easier than the general public or scientists estimate. I have demonstrated the validity of both claims scientifically and can elaborate.

My specialized training is in the conserved molecular mechanisms of longevity (Kaeberlein lab), but I also have advanced experience in metabolic modulation (DARPA Biostasis), gene therapy (Minicircle), genome analysis (God Project) and longevity and performance optimization. As a former professional athlete (NFL) and decade-plus biohacker, I live the science. This uncommon mixture of scientific and lived experience has consistently lead to the identification of problems others don't see, solutions others can't generate, and, more recently, the development of IP and business strategies to capitalize on such solutions.

Beyond ROI, I produce science that money cannot yet buy.

I also create narrative-defining culture.

I will help you win.

I will help you shape the world.

## EXPERIENCE

### Minicircle

[minicircle.io](https://minicircle.io)

Austin, TX, 2023-present

- Nonviral plasmid gene therapy delivering Follistatin and Klotho
- Scientific writing and communication including redefining field narrative
- Redesigned platform and production pipeline, exponentially expanded target library, defined monopoly-grade IP strategy

### God Project

<https://godproject.us/>

2024-present

- ELI5 genetics to public
- Developed novel whole genome analysis tools
- Sequenced and analyzed genomes of numerous world champion athletes, intellectuals, exceptional humans and identified novel variants of interest

### DARPA Biostasis

<https://www.darpa.mil/research/programs/biostasis>

Lackland AFB, San Antonio, TX, 2021-2022

- Drug-induced human hibernation
- Produced novel, digestible model of extreme bidirectional human metabolic flexibility
- Designed cocktail coupling hibernation induction triggers (HITs) to downstream cytoprotectors with applications to emergency medicine, longevity, and deep space travel

### PhD, Molecular Mechanisms of Aging

<https://halo.dlmp.uw.edu/people/matt-kaeberlein/>

<https://sites.uw.edu/m3d/>

Kaeberlein lab, UW, 2010-2021

- Postbac volunteer, then research technician, then PhD
- Initial project lead produced K99 for mentor and Science paper for team
- Dissertation defined regulation and function of enzyme activated by multiple longevity interventions
- Recruited, trained, and managed teams of undergraduates
- Deep longevity knowledge via 10+ years of community immersion incl. exposure to field leaders

### BA, Liberal Studies

Stephen F. Austin St. Univ., 2000-2007

Philosophy and political science

### Teaching

10+ years total as classroom teacher, tutor, coach, and personal trainer

Developed communication skills that are highly translatable to technical science communication

### NFL

Atlanta Falcons & Dallas Cowboys, 2005-2006

Placekicker; learned training discipline and performance under pressure

## MEDIA & PUBLICATIONS

### **EARTH LIFE CODE BOOK: A Guide to Help Humanity Reach Kardashev 1**

[Amazon self-published book, 2026](#)

- ELI5 genetics and science to public via infographics
- All 20k human genes listed in a portable book for first time in human history
- Cultural catalyst inspired by Gutenberg Bible and Whole Earth Catalog
- Conceived, authored, designed, and self-published

### **Don't Die**

[Netflix, 2024](#)

- Documentary about Bryan Johnson's attempt to make himself immortal
- Final 30 minutes of film focus on Minicircle gene therapy
- Speaking part on-camera explaining gene therapy

### **"Genomic Correlates of Self-Reported Psychic Experiences: An Exploratory Analysis."**

[Wahbeh et al., 2026 \(Explore\)](#)

- Collaboration with IONS
- Wrote discussion subsection weaving genetic data into cohesive model
- Collaboration invite based on generation of novel mechanistic model of telepathy
- Generated independent preliminary human data consistent with model (n=5)

### **"Plasmid delivery of follistatin safely improves body composition and epigenetic age in sex- and age-diverse adult human volunteers."**

Patterson et al., 2026 (submitted for peer review)

[Preprint](#)

- Wrangled data, defined narrative, wrote initial manuscript
- First successful, decentralized, proof-of-concept clinical trial for nonviral longevity gene therapy
- No adverse effects, improved body composition, decreased epigenetic age

### **"Cell nonautonomous activation of flavin-containing monooxygenase promotes longevity and healthspan."**

[Leiser et al., 2015, Science](#)

- Lead project as postbac that formed postdoc mentor's K99 and high impact paper
- Wrote first draft of manuscript

### **"Emerging Roles for Ancient Enzymes: Flavin-Containing Monooxygenases in Aging and Disease."**

[Rossner et al., 2017 \(Journal of Biological Chemistry\)](#)

- Invited first author minireview, accepted with minimal revisions
- Deep sequence, evolutionary, and functional analysis of small group of xenobiotic metabolizing enzymes activated by multiple conserved longevity interventions

### **"Transaldolase inhibition impairs mitochondrial respiration and induces a starvation-like longevity response in *Caenorhabditis elegans*."**

[Bennett et al., 2017 \(PLOS Genetics\)](#)

- Deep look at metabolic pathways and MAPK signaling with close collaborator Chris Bennett
- Lead to novel, unifying mechanistic hypothesis involving adenosine metabolism and longevity

## **PRESENTATIONS, CONFERENCES, & AWARDS**

### **Desci NYC**

#### [Manhattan, 2024](#)

- Lifespan.io conference presentation to audience including White House ARPA-H representative
- Invited solo presentation later in year, very high crowd engagement

### **Gordon Research Conference (GRC), Systems Biology of Aging**

Barcelona, 2024

- Attended; Steve Horvath, Luigi Ferrucci, Jo Betts Lacroix, Anne Brunet, David Sinclair

### **Stanford Healthcare Innovation Lab, In Vivo Frontiers Symposium**

#### [Virtual, 2024](#)

- Co-presented with Minicircle cofounder Walter Patterson on nonviral plasmid follistatin gene therapy

### **Palestra**

El Salvador, 2023

- Presented on decentralized nonviral gene therapy for human augmentation
- Attended presentations/panels including Curtis Yarvin

### **American Aging Association (AGE)**

2016-2022

- Poster presentations
- Extensive exposure to and interaction with aging research field leaders from academia and private sector

### **Gerontological Society of America (GSA)**

2019

- Advanced research/special projects 1-on-1 conversation with NIA head Felipe Sierra

### **Genetic Approaches to Aging Training Grant (GAATG)**

2017

- T32 funding recipient