

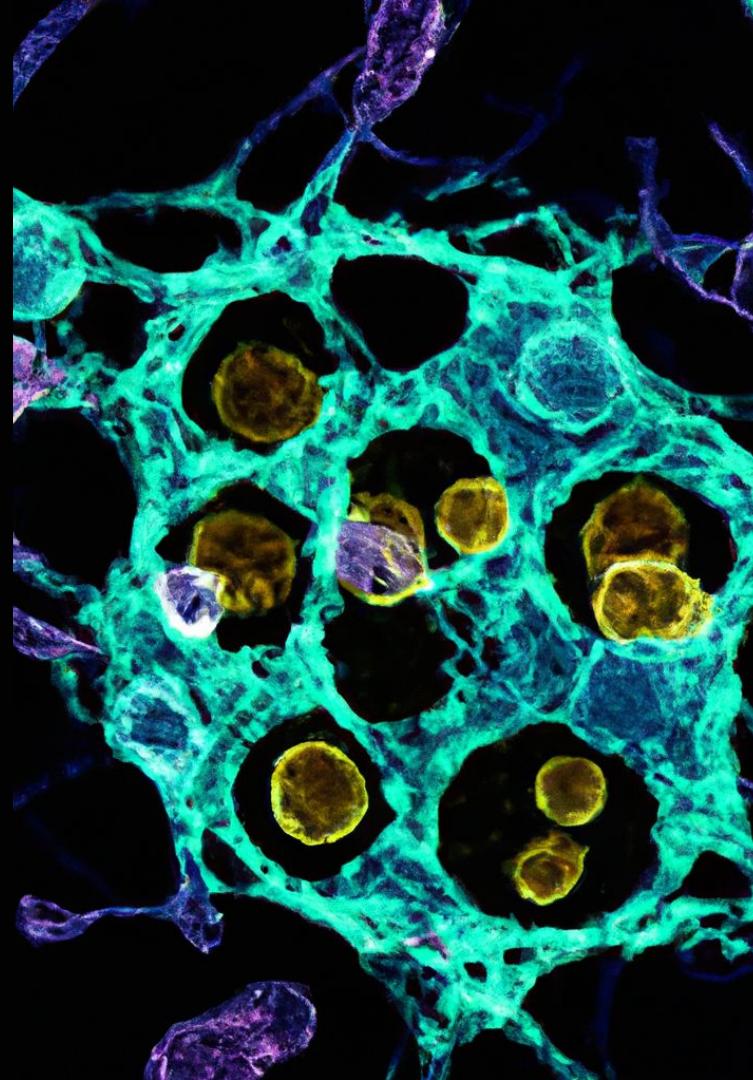
DeSci on Trial:

Two Years, 2000 ETH, 11 Projects, 2bn data points on Ethereum - has DeSci advanced science?

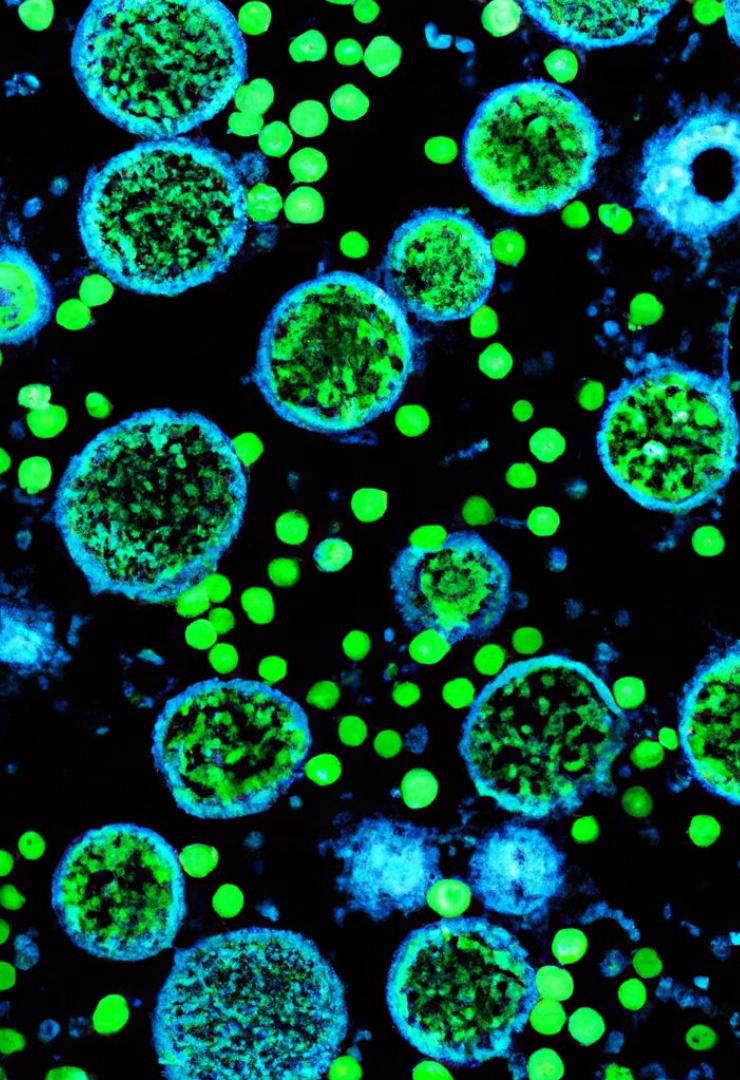
Paul Kohlhaas

Founder at Molecule & BIO

Scientists spend
80% of time
applying for
funding,
20% doing
science.

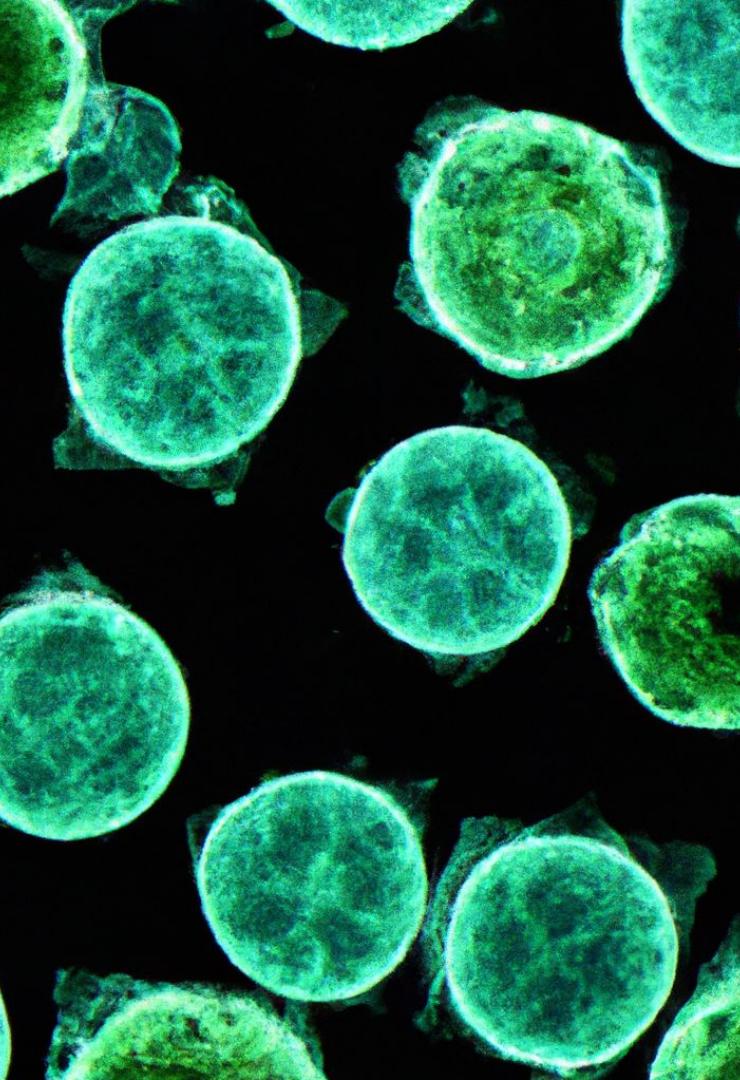


Most of the
world's potential
scientific talent
remains
untapped.



We live in a time
of science
friction

Not science
fiction.



This scientist treated her own cancer with viruses she grew in the lab

Virologist Beata Halassy says self-treatment worked and was a positive experience – but researchers warn that it is not something others should try.

A case report published in *Vaccines* in August¹ outlines how Halassy self-administered a treatment called [oncolytic virotherapy](#) (OVT) to help treat her own stage 3 cancer. She has now been cancer-free for four years.

In choosing to [self-experiment](#), Halassy joins a long line of scientists who have participated in this under-the-radar, stigmatized and ethically fraught practice. “It took a brave editor to publish the report,” says Halassy.



vittorio  
@IterIntellectus

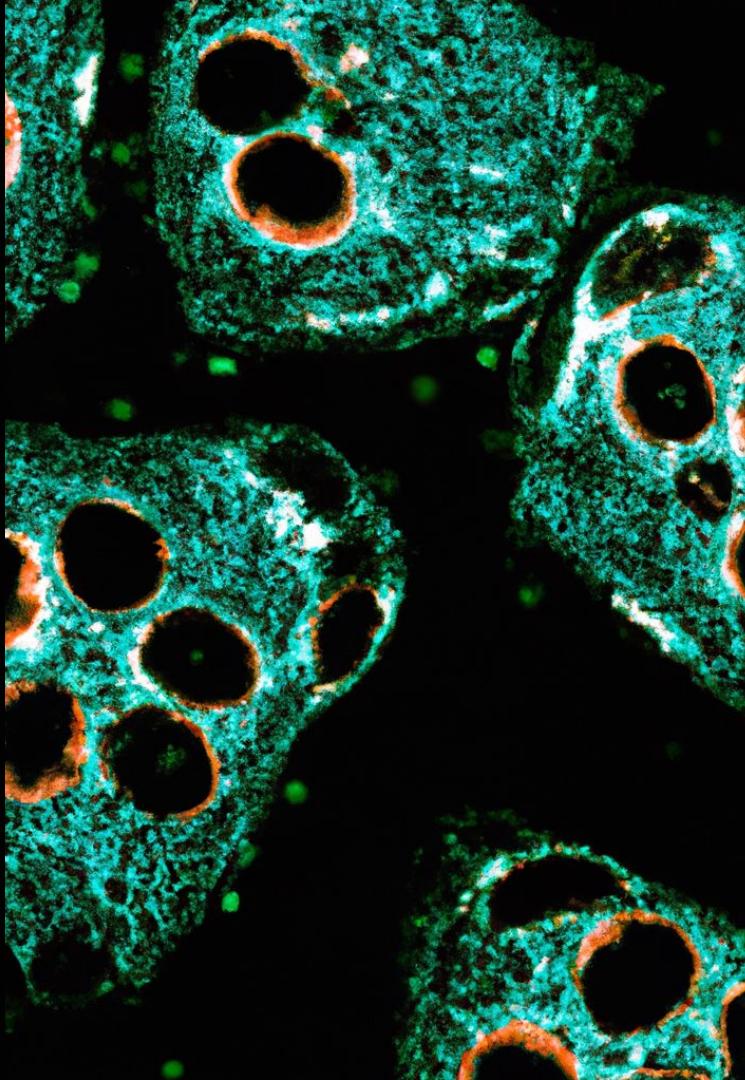
Subscribe

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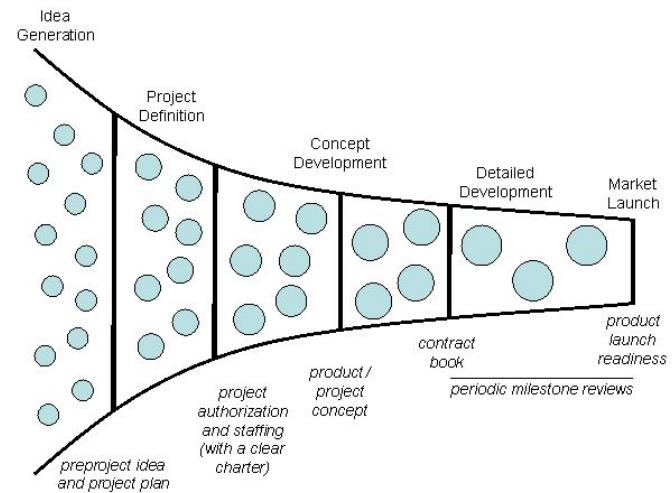
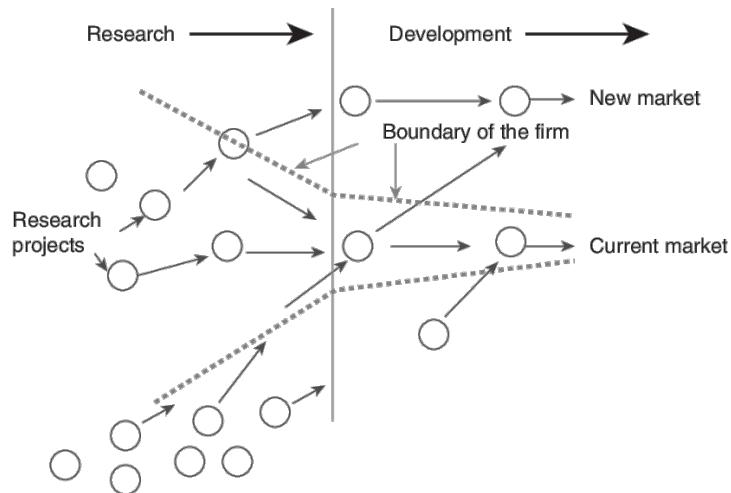
> scientist does science
> cures cancer
> the science™: “no no, you can’t do that”

and then you wonder why most scientists are fleeing academia

DeSci is
Permissionless
science.



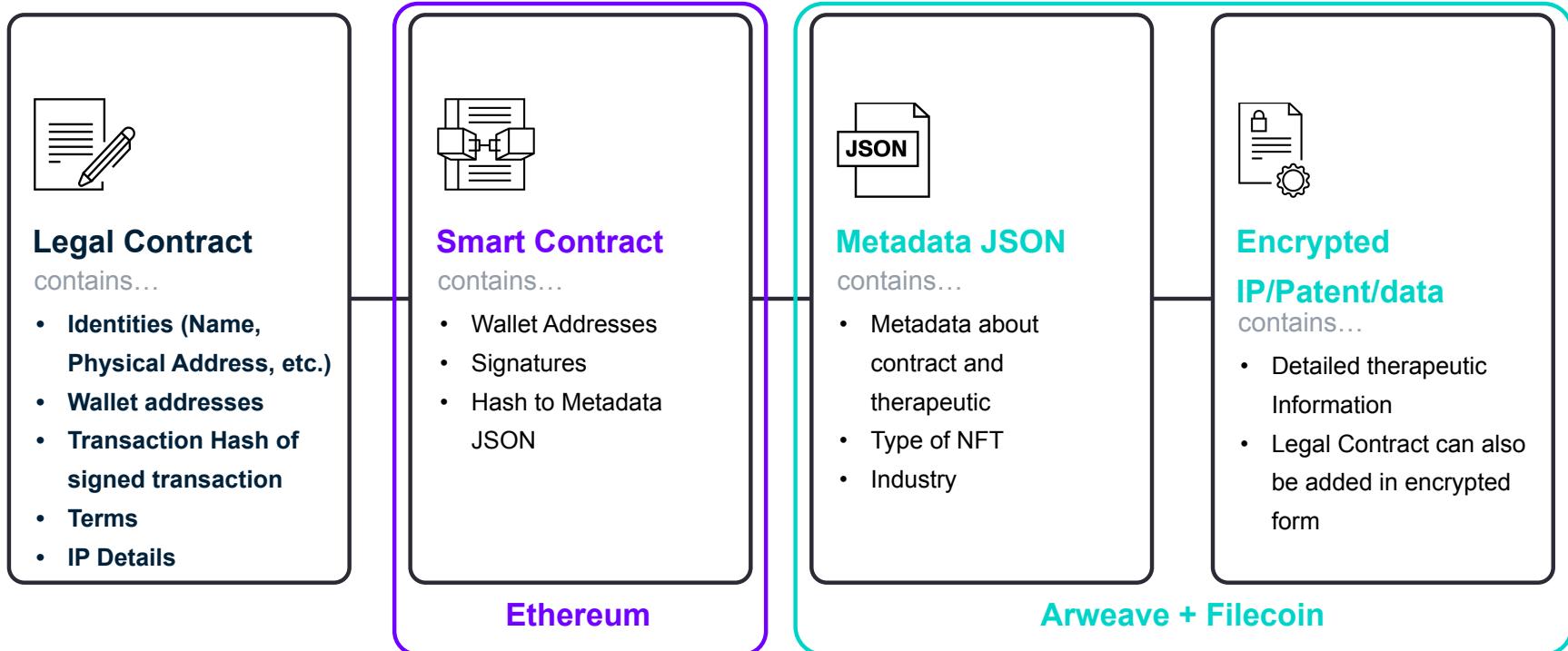
Innovation & Drug Development Today



Valley of Death



Anatomy of IP-NFTs



FEATURED PROJECTS



+2000 ETH in research funded



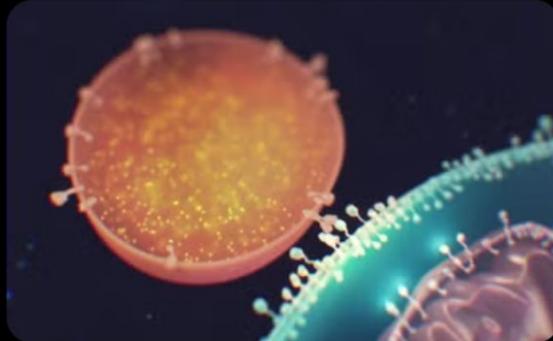
Scheibye-Knudsen Lab

What if therapeutics to slow down the aging process and prevent age-related disease already existed? The Scheibye-Knudsen Lab at the University of Copenhagen is applying ML to data on 1.04 billion prescriptions from the Danish government database. Lead discovery will be followed by analyzing their geroprotective MoAs and IP-generating medicinal chemistry.

Amount allocated

\$ 250,000

IP-NFT



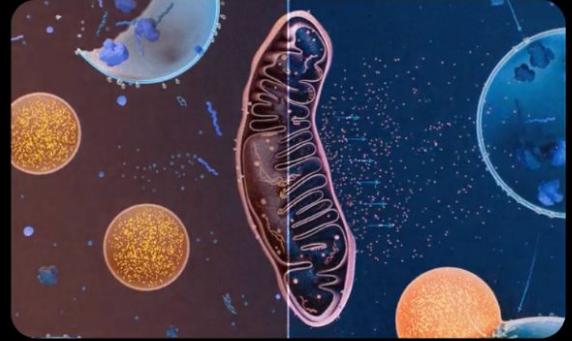
Evandro Fang Lab / U Oslo

Mitophagy enhancing small molecules for neurodegeneration, oncology, and immune aging. University of Oslo R&D collaboration for screening and target ID. This early PoC research was published in Nature Neuroscience 2019, and mitophagy is starting to become popular in big pharma circles.

Amount allocated

\$ 250,000

IP-NFT



Korolchuk Lab / U Newcastle

The Korolchuk lab has established a drug discovery pipeline for identifying *autophagy-enhancing small molecules*. Autophagy activation is one of the most promising mechanisms of action for geroprotective medicines, acting as a mimetic of fasting and caloric restriction.

Amount allocated

\$ 285,000

IP-NFT

IP-NFTs

IP-NFTs

Held by a DAO

IPTs

Held by an individual

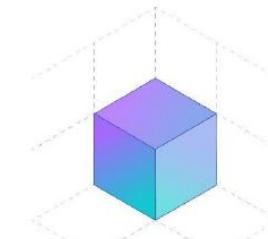
Intellectual Property Non-Fungible Tokens (IP-NFTs) are digital, onchain authenticators of IP rights held by a R&D sponsor.

Intellectual Property Tokens (IPTs) are fungible **governance tokens** minted using IP-NFTs to distribute IP rights to the IP attached to the parent IP-NFT.

IPTs transform research outcomes into composable digital assets, enabling a global network of stakeholders to participate directly in scientific endeavors.



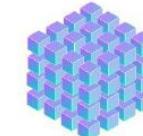
Mint



IP-NFT



Tokenize



IPTs

\$VITARNA Case Study: Tokenised Gene Therapy

May 2023

The Artan Bio funding application is submitted

VDP-103 [Funding]: Mutation-Specific Codon Suppression for Aging and Longevity

Proposals Active Proposals

 Paolo May 2023
One liner: a first-in-class intervention from an accomplished scientist entrepreneur leveraging RNA know-how to tackle the most frequent nonsense mutation, relevant for a wide range of diseases and longevity.

Longevity Dealfow WG Team

- Reviewers: 2 biotech entrepreneurs, 1 pharma professional, 2 geroscience professors, 1 biotech venture capitalist
- Shepherd: Paolo Binetti
- Other squad members: Eleanor Davies, Tuan Dinh, Eli Mohamed, Tim Peterson
- Sourced by: proposed by principal investigator

VitaDAO Entrepreneurs

Principal Investigator January 2024

VitaDAO token holders vote to Tokenize the Artan Bio IP-NFT

Oxe6Fe...9C77 Core

Closed

VDP-140 - Tokenization of the ArtanBio IP-NFT

TLDR; VitaDAO will tokenize the ArtanBIO IP-NFT with a goal of raising \$300,000 for research advancement. In exchange, the community will be...

✓ For 3.7M VITA	99.9%
Against 1.3K VITA	0.04%
Abstain 2.4K VITA	0.07%

Ended 2 months ago - 321.36% quorum reached

IP-NFT VITARNA

Mutation-Specific Codon Suppression for Aging and Longevity

Owned by 0x452f3b60129fdb3cdc78178848c63ec23f38c80d

Gene Therapy

PROJECT DESCRIPTION

Artan Bio has proposed a novel approach to address genetic and age-related diseases caused by nonsense mutations. These mutations lead to premature protein translation stops, resulting in incomplete and nonfunctional proteins. The solution involves an engineered suppressor system that specifically recognizes

[View more](#)

LEAD RESEARCHER

Michael Torres

LEAD RESEARCHER'S AFFILIATED ORGANIZATION

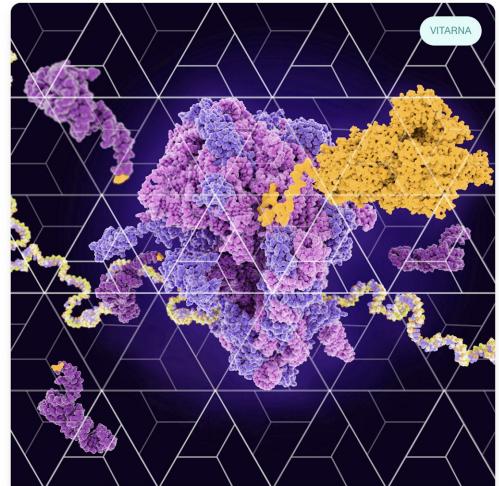
Artan Bio, LLC

ATTACHMENTS

Assignment Agreement
IPT Membership Agreement

CROWDSALES

23/05/2024 - SETTLED



Mutation-Specific Codon Suppression for Aging and Longevity
0x452f...c80d

395 WETH

VITARNA IPT Distribution



In June 2024, VITARNA sale raised \$300k from +50 VITA token holders by selling 20% of token supply priced at \$1.5m FDV.

FundingGoal

79 WETH

\$ 185,143.61

Amount Bid

83.01 WETH

\$ 194,546,093

105.08%

Get VITARNA

Buy VITARNA on Uniswap

Start →

Claim your share

Activity

List View Graph View

Aug 19, 2024 10:10 AM

138.42 VITA & 7.03 VITA claimed by STADOLF.ETH

Status

Completed

Aug 09, 2024 14:52 PM

186.87 VITA & 9.49 VITA claimed by 0X5D32...D995

Status

Completed

Jul 07, 2024 00:00 AM

62.29 VITA & 3.16 VITA claimed by 0XBC60...7B31

Status

Completed

Jun 25, 2024 11:40 AM

692.12 VITA & 35.15 VITA claimed by 0X7F07...B1F3

Status

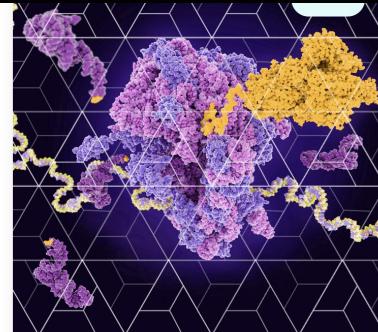
Completed

Jun 25, 2024 09:38 AM

692.12 VITA & 35.15 VITA claimed by 0XC68E...750C

Status

Completed



Mutation-Specific Codon Suppression for Aging and Longevity

Michael Torres

Owned by: 0x452f...c80d

IP TOKENS 5,000,000 VITARNA

395 WETH

\$ 925,718.05

0.000079 WETH

VITARNA Price

1,000,000 VITARNA

VITARNA for sale

20%

VITARNA supply for sale

0.27732 H 2.8922 L 2.8922 C 2.8922 0.1189 (+4.29%)

3.5000

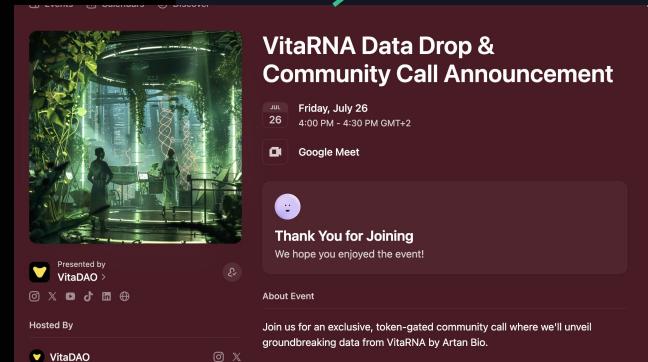
DEX Uniswap

Liquidity Pool

launched in June.

Following the first
data drop and
further releases,

\$VITARNA is now
trading at \$14m
FDV.



Thread

Back

Michael Torres ✅
@Mykalt45

In the spirit of #DeSci, we just got data from our CRO that shows our AAV9-based gene therapy for aging has activity in vitro! Will be posting the report on GitHub shortly. We hope to be working with CDMOs soon to scale up production. Appreciate the support and backing of @vita_dao @Molecule_dao and of course, the vitarna token holders. You can learn more at vitarna.xyz.

5:16 PM · Sep 5, 2024 · 10.7K Views

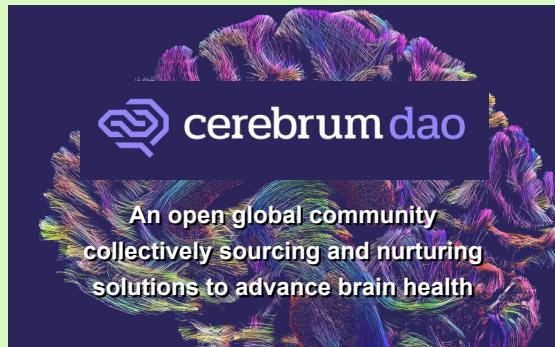
8

13

63

9

Our team helped build and launch +7 bio DAOs that have sourced over 2000 projects and moved \$20m of science on chain



An open global community
collectively sourcing and nurturing
solutions to advance brain health



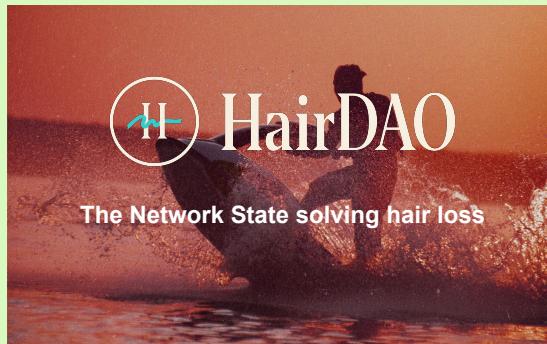
Funding high-impact research in the
field of cryopreservation



Funding synthetic biology research to
save the planet



Transformative women's health
research funding, education & access



The Network State solving hair loss



Promoting progress in tokenized
psychedelic science and art

Upcoming Launches

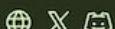


Curetopia

Rare Diseases

Curing the 10,000 rare genetic diseases. We're uniting patient groups and populations to tackle the \$1T rare disease market. We're going directly to patients, turning them into research scientists, and making them the center of focus.

[More info](#)



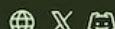
QUANTUM
BIOLOGY
DAO

Quantum Biology DAO

Quantum Biology

The Quantum Biology DAO accelerates the quantum biology field through community building, open governance, scientific experimentation, research grants, and IP development. Together we will understand and manipulate biology at the quantum level.

[More info](#)



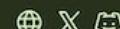
LONG COVID
LABS

Long Covid Labs

COVID

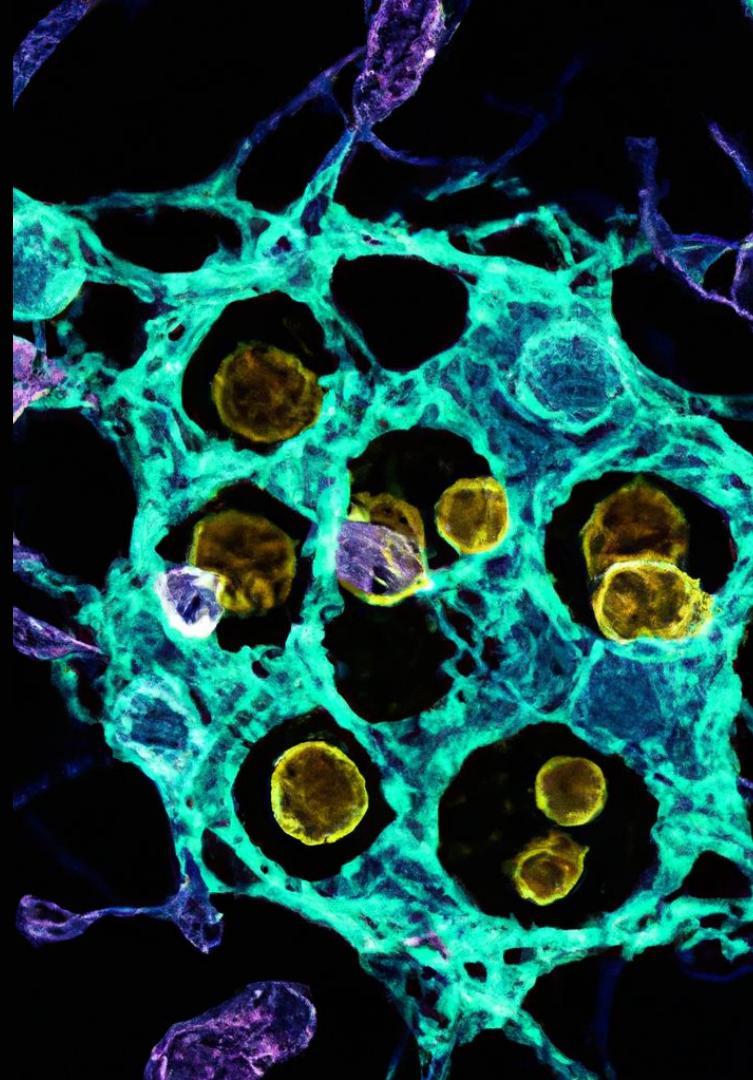
Accelerating a cure for 100M Long COVID patients. By incentivizing scientists, patients and supporters to collaborate and share data, we're creating an open marketplace for rapid R&D and commercialization of new treatments for Long COVID. Our first treatment launches November 2024.

[More info](#)



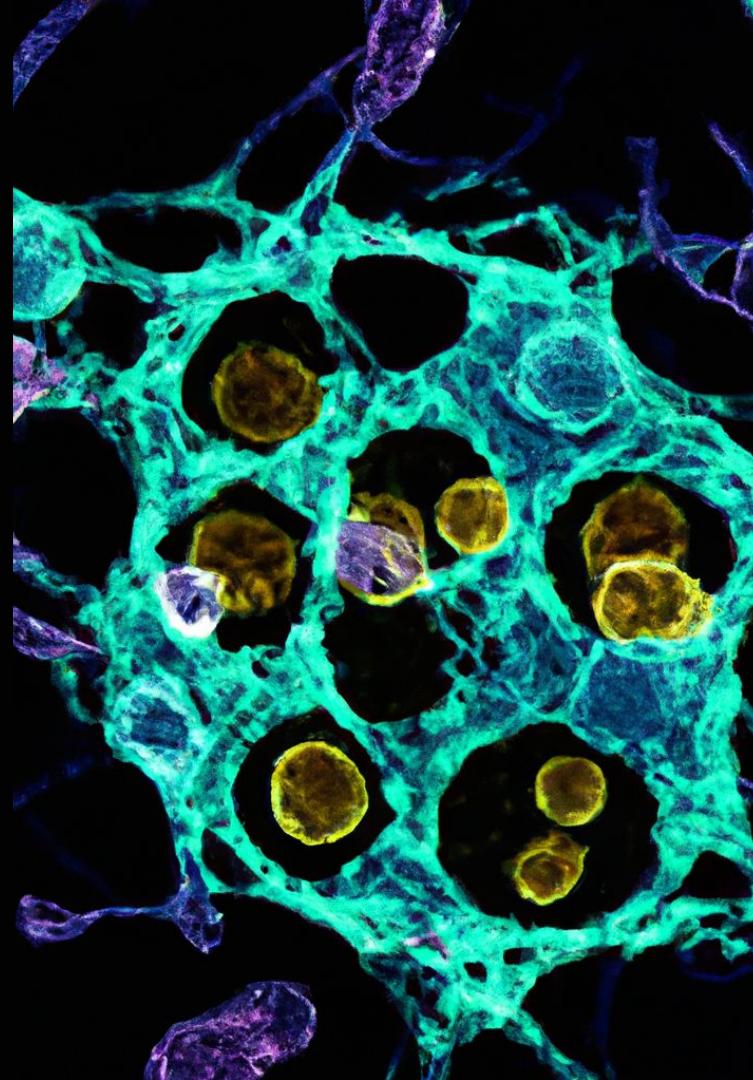
Data points we have today:

- 2500 projects evaluated
- Approx. 0.5% funded
- 13 projects funded on chain
- +3000k ETH deployed
- 5-6 new medicines
- 2 patents filed
- 2 first real world products



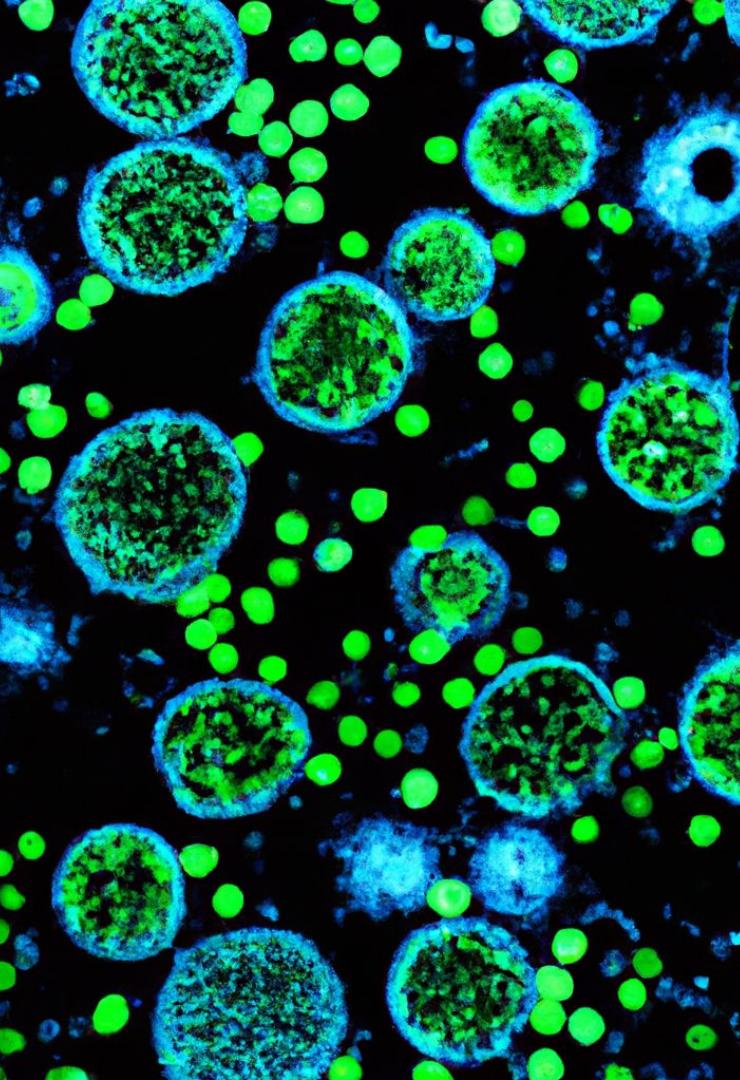
How might we get to:

- 100k projects
- 3000 projects funded
- 100 medicines
- NO patents
- Real world products that onboard new users



Open curation markets

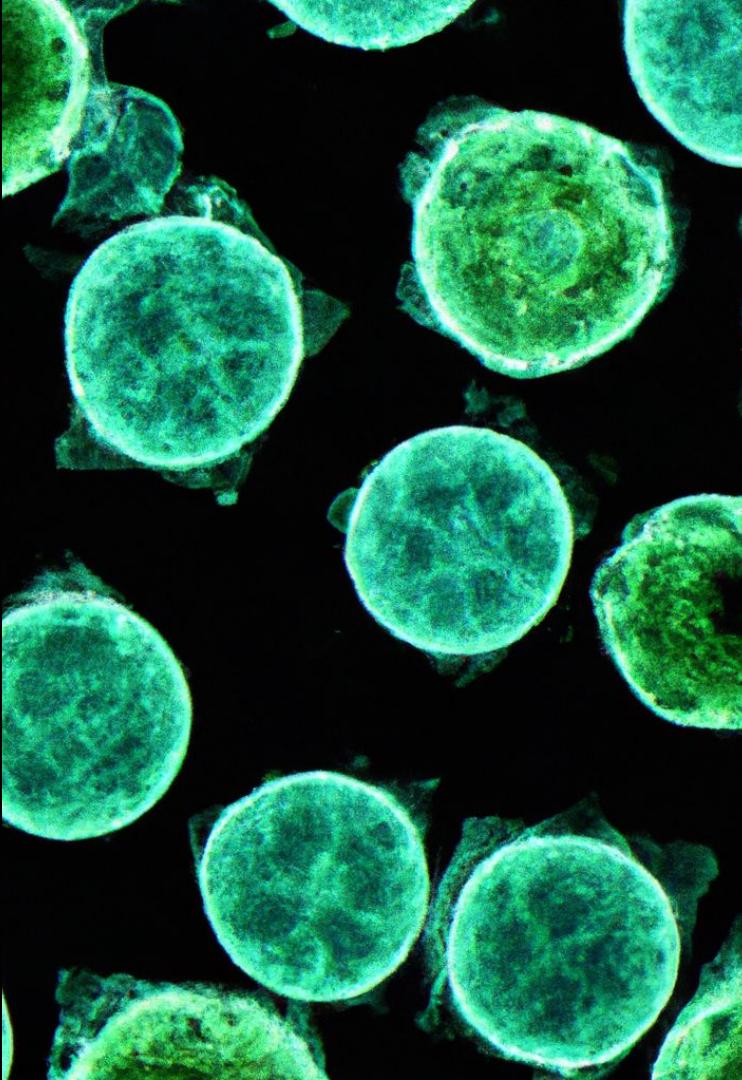
Building autonomous marketplaces and exchanges that **massively increase scalability**, liquidity and curation of projects in a permissionless way.



Science and biotech requires
large sums of money.

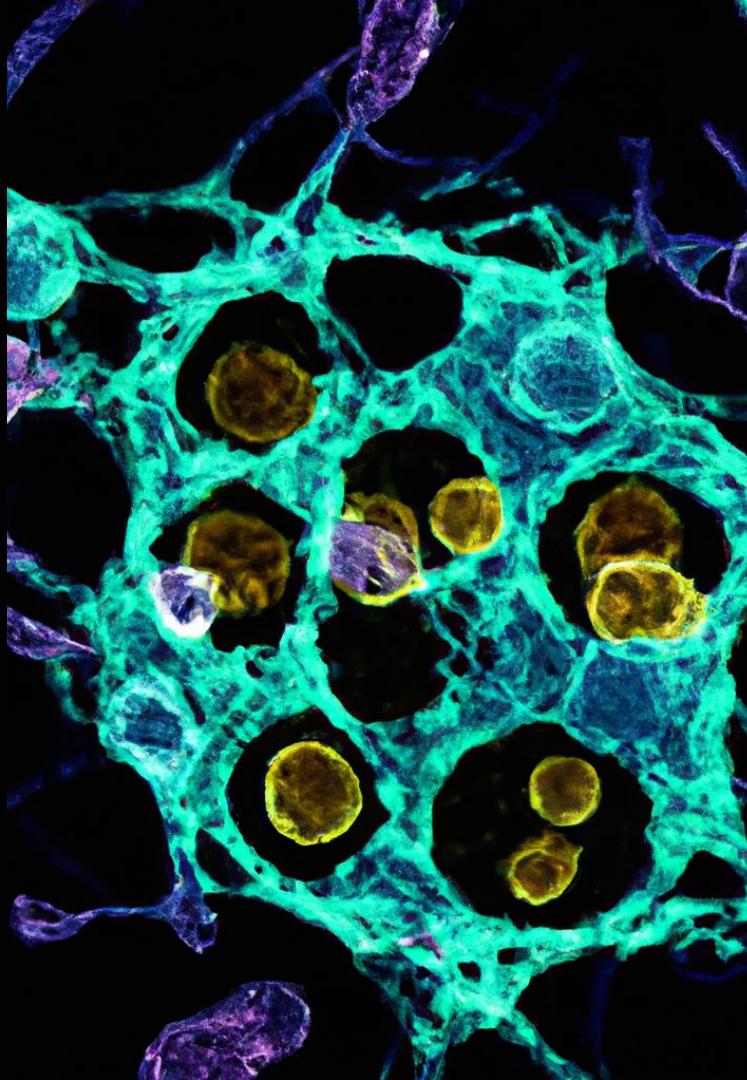
How might we:

1. Inspire millions of patients?
2. Fund a malaria vaccine?
3. Fund a clinical trial?



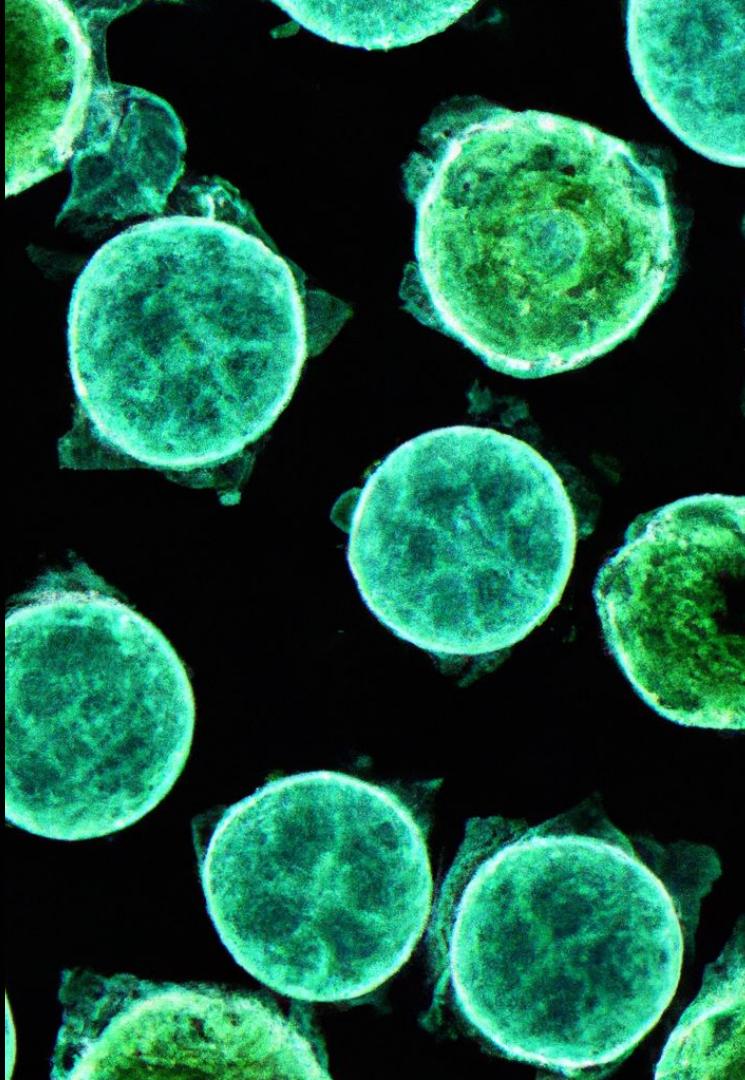
Nation states **invest** 4-5% of their GDP into funding basic research.

We **should** do the same.

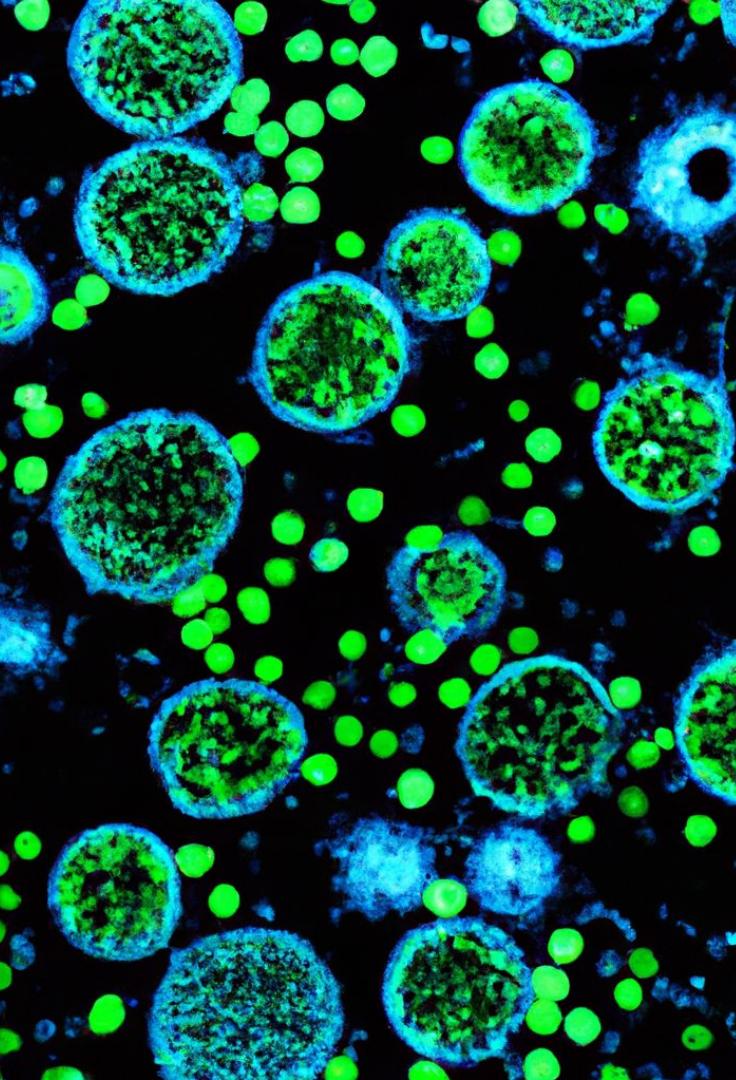


Network states for science

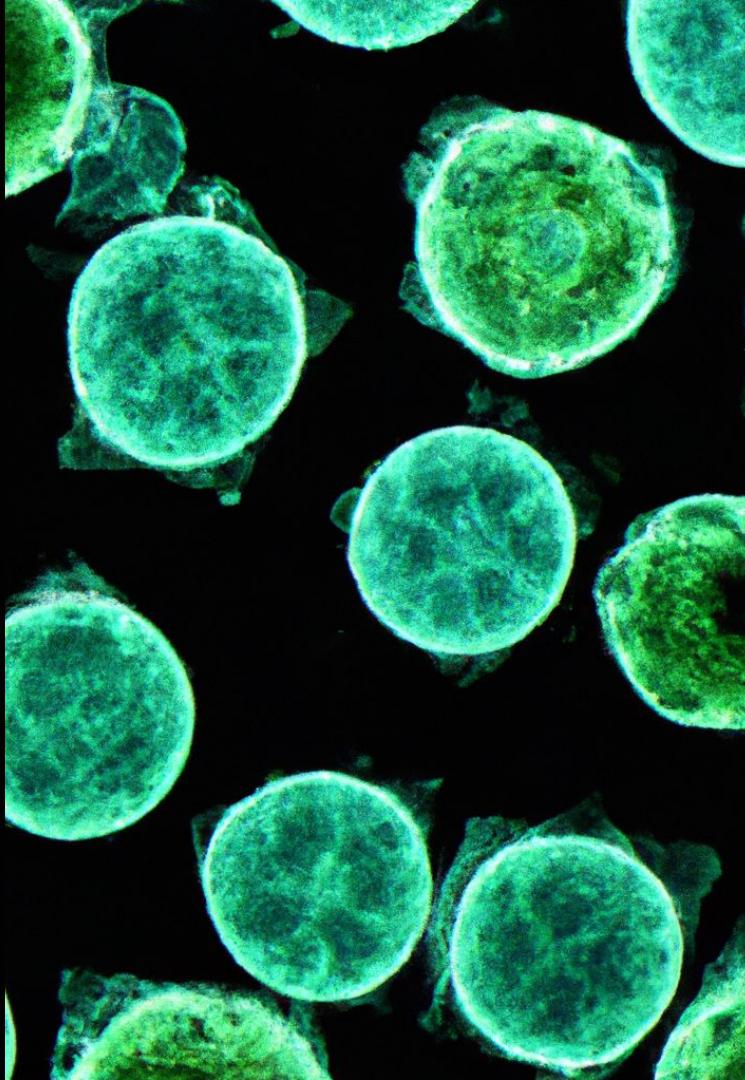
If ETH stakers redirected rewards to funding basic research on chain Ethereum would have a R&D budget the size of Singapore (\$1-2bn).



Building towards a
world where
scientists spend
80% doing science,
20% applying for
funding.



Anyone can fund
and participate
in science,
independent of
institution and
geography.





Thank you!

Your Name

Paul Kohlhaas, BIO & Molecule

paul@bio.xyz

@paulkhls