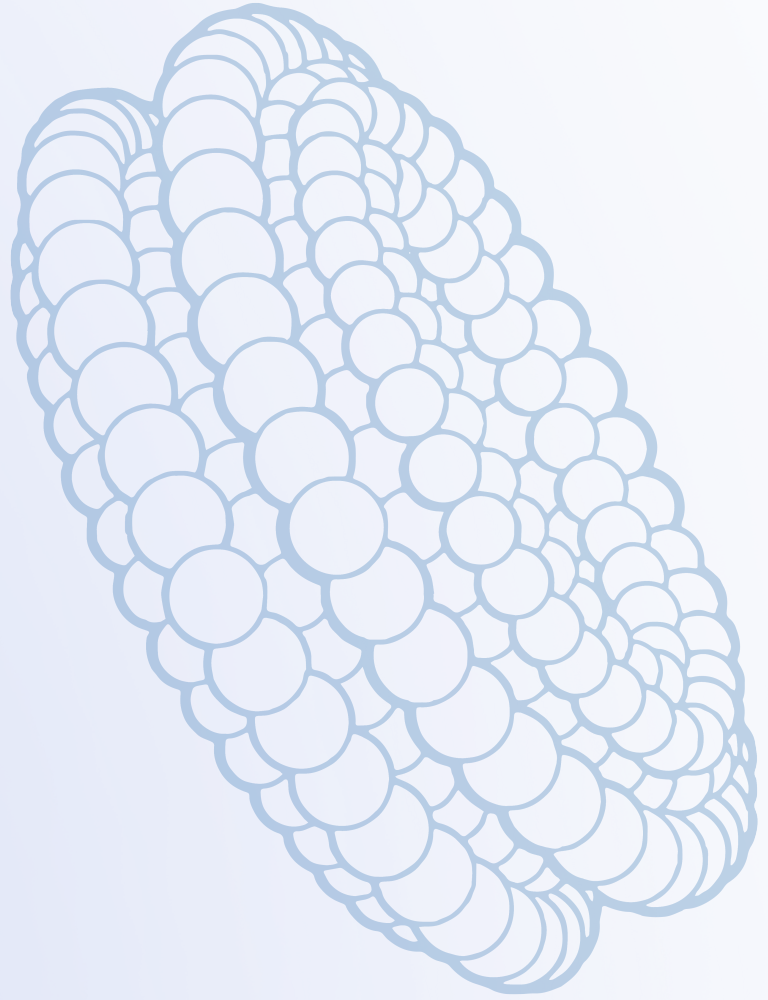


2023 Q1 DONOR REPORT



2023 Q1 Progress Update and Future Plans

Thank you for enabling us to do the work we do; supporting the beneficial development of high-impact technologies that are too ambitious for legacy funders to fund.

Introduction

With your support, Foresight Institute has been able to support more progress in undervalued areas for beneficial technology advancement than ever before.

Which areas do we focus on?

- Molecular nanotechnology for better materials to heal our biosphere
- Biotechnology to fight age-related diseases and extend healthy human lives
- Neurotechnology to improve human cognition and experience
- Computer science to secure human and AI cooperation
- Space to further human exploration of our universe

How do we support these areas?

- 5 monthly seminars to give domain-experts in each of these domains a chance to regularly discuss recent advanced and their implications in a curated seminar format
- 5 annual workshops to give domain-experts in each of these domains a chance to collaborate on the frontiers of these technologies in a fast-paced 2-day in person setting
- A fellowship supporting 10+ fellows in each of these domains (more than 60 fellows total!) via mentorship, networking, and professional exposure to advance their careers
- 3 annual prizes to award outstanding work in molecular nanotechnology, longevity, and, to be launched in 2023; in computer security!
- 1 monthly salon in different cities across the globe to welcome new talent into the Foresight community
- 2 annual end of year festivals gathering top talent of these domains to collaborate on progress across technology silos

In addition to our scientific core program, we have expanded our Existential Hope work, to explore distinctively positive scenarios powered by beneficial technology progress, in contrast to the doom scenarios we are all too familiar with.

In this Q1 report, you can get up to speed on all of these areas, or dive into the ones closest to your heart.

1

Our team



Allison Duettmann
President
CEO



Beatrice Erkers
COO



Niamh Peren
CPO



Lydia La Roux
Executive Assistant



Lou de K
Meta Projects



Christine Peterson
Co-founder
past president



Vivienne Errington Barnes
Events Coordinator



Sherry Hull
Administrative Manager



Aleksandra Smilek
Web3 Partnerships



Djordje Devic
Website Management

Advancing technological progress

Seminars

We have had an incredibly busy start to our year in our virtual seminar series. Some of our seminars are off the record. For the ones that are public, please find the seminar recordings and written summaries here:

Longevity Biotech

[Matt Kaeberlein | Companion Animals in Geroscience: Challenges and Opportunities](#)

[Reason | Towards Biotechnology to Finally Defeat Cholesterol](#)

[Ana Maria Cuervo | Targeting Selective Autophagy in Aging and Age-related Diseases](#)

[Bryan Johnson | Blueprint Rejuvenation Athlete](#)

[Joao Pedro de Magalhaes | The Scientific Quest for Immortality](#)

Molecular Machines

[Sander Wezenberg | Artificial Molecular Machines Operating in the Lipid Bilayer](#)

[Dick Broer | Liquid Crystal Amplification of Molecular Motor Dynamics to Tangible Dynamics](#)

[Chris Schafmeister | Hardware and Software of a Critical Path to Bottom-up Molecular Nanotechnology](#)

[Basile Wicky | Designing De Novo Interactomes for Biomolecular Computations](#)

Spacetechnology

[Mike Safyan | SmallSat Launch Market Review and Challenges/Opportunities](#)

[Joseph Mascaro | From Spin-offs to Exaptation](#)

Intelligent Cooperation

[Divya Siddarth | Collective Intelligence for Collective Progress](#)

[Natalie Dullerud | CaPC - Confidential and Private Collaborative Learning](#)

Neurotechnology

[Chris Eliasmith | How to Build a Brain](#)

[Steven Byrnes | Challenges for Safe and Beneficial Brain Like AGI](#)

[Neurotech Special: WBE & AGI Virtual Seminar Meeting](#)

Existential Hope Day



On February 27, Foresight hosted its very first [Existential Hope Day](#)! The event focused on exploring positive futures for science and technology, shifting the focus from the threats they pose to the possibilities they present for our future. Attendees listened to keynotes from the likes of Toby Ord, Robin Hanson, Danielle Fong, and Gaia Dempsey.

Recordings from the event:

- [Creon Levit & Danielle Fong | Fireside Chat @ Foresight's Existential Hope Day 2023](#)
- [Gaia Dempsey & Deger Turan | Lightning Talks @ Foresight's Existential Hope Day 2023](#)
- [Robin Hanson, Toby Ord, Anna Yelizarova, Will Zeng, Christine Peterson | Fireside Chat @ XHope Day 2023](#)
- [Tushant Jha | Lightning Talks @ Foresight's Existential Hope Day 2023](#)



Xhope Day Scenarios

The event also included an Existential Hope scenario workshop in which participants imagined their own positive visions of the future, and considered what would need to happen in order to make these futures a reality. Explore a few of our favorite Xhope scenarios below!

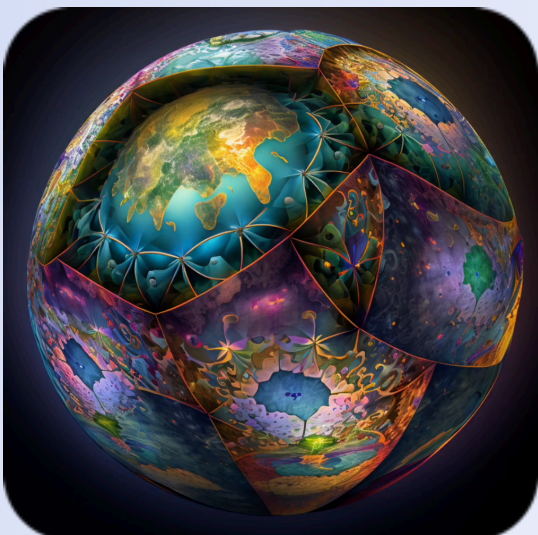


AI-ENABLED PERSONAL FLOURISHING

In this future society, AI plays a crucial role in helping individuals become better versions of themselves, providing personalized feedback and insights to help align their decision-making with their values and goals. Examples of AI-powered apps include fitness and sleep trackers, financial and career coaches, and time management apps.

FLYING COWS

In this scenario, a renewable energy system and connected infrastructure promotes human well-being while being mindful of the environment. Innovative modes of transportation such as e-bikes powered by unlimited clean energy are available, along with solarpunk flying e-bike pathways, but challenges such as climate change and centralization of AI must be overcome.



HUMAN-AI PARTNERSHIP/PARETOTOPIA

In this scenario, technology has enabled an abundance of material resources and longevity, allowing for greater cooperation and respect among individuals and communities, resulting in a more meaningful existence. AGI-assisted humans align with their individual meanings, forming symbiotic relationships with AI and thriving in a Paretotopin world where everyone benefits.

Existential Hope



We continue to drop monthly episodes of the Existential Hope podcast, where we feature experts from various fields sharing their vision of a positive future and how their work can contribute to achieving it. Our latest episodes feature:

- [ANDERS SANDBERG | GRAND FUTURES & THE POST-HUMAN CORAL REEF](#)
- [LEE CRONIN | CATALYZING PROGRESS THROUGH CHEMISTRY](#)
- [DAVID LEIGH | EXPLORING THE POSSIBILITIES OF NANOTECHNOLOGY](#)

In our efforts to continue improving this platform, we have also added a feature of allowing visitors to envision and contribute their own Existential Hope scenarios [here](#), as well as making contributions to the library [here](#). The best contributions will be added and featured on the website, and you can explore them all [here](#).

Media Coverage & Growth

Media interest in Foresight is increasing, with Q1 appearances including:

- Allison Duettmann, Foresight Institute, publishes a Freethink article on [Our New Brains: Neurotechnology advances that could change everything](#)
- Allison Duettmann, Foresight Institute, publishes [Four Security and Cryptography Approaches Relevant for AI Safety](#).
- Allison Duettmann, Foresight Institute, publishes [The Human AI Reflective Equilibrium](#).
- Allison Duettmann, Foresight Institute, joins the [Progress Forum AMA](#) to chat about Foresight, Tech Trees, AI, and more.

Upcoming Workshops



This year, for the first time, we are finally rolling out in-person workshops for each of our technical tracks, adding one workshop on neurotech, and one on space!

Here are the upcoming workshops, each with a stellar program and cast, aimed at making progress on undervalued areas for beneficial technology development for beautiful long-term futures.

[Longevity Frontiers Workshop](#) on April 17 - 18 in San Francisco, with Sonia Arrison, 100 Plus, Steve Horvath, Altos Labs, Vera Gorbunova, Rochester University, Greg Fahy, Intervene Immune, Karl Pflieger, Agingbiotech.info, Larry Callahan, FDA, Lea Gerontoro, Caltech, David Furman, Buck Institute, Michael Snyder, Stanford University, and many others.

[Whole Brain Emulation for AI Workshop](#) on May 22 - 23 in Oxford, with Anders Sandberg, Future of Humanity Institute, Todd Huffman, E11, Ken Hayworth, HHMI, Michael Andregg, Fathom Computing, Logan Collins, Crick, Michael Shuhersky, MIT, Randal Koene, CarbonCopies, Sumner Norman, Caltech, and many others.

[Spacetechnology Workshop](#) on June 4 - 5 in San Francisco, with Creon Levit, Planet Labs, Jessy Kate Schingler, OpenLunar, Adam Brown, Stanford University, Steve Butow, DiU, Danielle Fong, LightCell Energies, Patrick Finley, Collegiate Propulsive Lander Challenge, Tomas Gesino, Ylla Space, Kevin Lalli, Hydrosat Inc, and many others.

[Cryptography, Security, AI Workshop](#) on July 10 - 11 in San Francisco, with Mark S. Miller, Agoric, Davidad, Future of Humanity Institute, Deger Turan, AI Objectives Institute, Robin Hanson, George Mason University, Divya Siddarth, Microsoft, Morgan Livingston, Tech Congress Fellow, Jeffrey Ladish, Gordian Research, and many others.

[Molecular Systems Design Workshop](#) on September 11 - 12 in San Francisco, with Ben Reinhardt, Speculative Technologies, Adam Marblestone, Convergent Research, Alexis Courbet, Washington University, William Shih, Harvard University, Chris Schafmeister, Temple University, and many others.

Vision Weekend Europe



We are thrilled to announce that **early bird tickets** to our much anticipated **2023 Vision Weekends**, our annual member festival, are now live! Held in two continents, over two weekends, top talent across biotechnology, nanotechnology, neurotechnology, computing, and space are encouraged to burst their tech silos, and plan for flourishing long-term futures.

Vision Weekend Europe will be held **November 17-19, 2023** at **Chateau du Fey**; a beautiful castle in Burgundy, France. *Room packages* are available to those who wish to join us overnight at the castle. Confirmed Speakers at Vision Weekend Europe 2023 include:

- [André Loesekrug-Pietri, JEDI](#)
- [Anders Sandberg, Future of Humanity Institute](#)
- [Patrick Rose, SPRIND](#)
- [Sonia Arrison, 100 Plus](#)
- [Stuart Armstrong, Future of Humanity Institute](#)



Vision
Weekend

future

Disguised as

a 17th century
castle



Vision Weekend USA



Vision Weekend USA will be held **December 1-3, 2023**, at the **Internet Archive**, the **Birds Nest**, and another undisclosed location for those of you who help us by sponsoring the event.

Confirmed Speakers at Vision Weekend USA 2023 include:

- [Adam Marblestone, Convergent Research](#)
- [Ben Reinhardt, Speculative Technologies](#)
- [Cee Cee Schnugg, Boom Capital](#)
- [Chris C. Kemp, Astra](#)
- [Christine Peterson, Foresight Institute](#)
- [Creon Levit, Planet Labs](#)
- [David Eagleman, Neosensory](#)
- [Emil Kendziorra, TomorrowBiostasis](#)
- [Jason Crawford, Roots of Progress](#)
- [Mark Miller, Agoric](#)
- [Michelle Ritter, Steel Perlot](#)
- [Sonia Arrison, 100 Plus Capital](#)
- [Steve Jurvetson, Future Ventures:](#)
- [Tony Kulesa, Petri](#)

For more information on our initial Program, Speakers, or to secure your Early Bird tickets while they are cheap!! Head over to: <https://foresight.org/vision-weekends-2023/>

We very much hope to see you there!

Vision 2023
Weekends

DAVID EAGLEMAN
Stanford University



Fellowship Success Stories

2023 is Foresight Institute's biggest intake of Fellows since the six years of our fellowship. In Q1, our fellows networked with some of the best in their field at our in-person events and via 1-1 mentorship call introductions, joined us for seminar presentations, and celebrated many individual successes. We're very proud of their accomplishments.

2023 also marks the year of our first Foresight Prodigy Fellowship intake. These individuals are young, many are still in their teens, but their achievements and career trajectory are inspiring. We've been supporting them with mentorship opportunities, travel-paid event invitations and consistent check-ins with our team. It's great seeing their confidence, and projects, flourish.

Check out our Q1 [Career Counseling session for Fellows with Jaan Tallinn](#), co-founder of Skype!

Notable Fellow Successes:

- Guido Putignano, Nucleate, made it into the [Forbes 30 under 30 list](#)
- Anastasia Ershova, Harvard University, published [From DNA slats to cell-sized rugs \(in Nature Nanotechnology magazine\)](#)
- Nikolina Lauc, GlycanAge, published [The Heritability of the Glycan Clock of Biological Age](#)
- Damien Sluysmans, University of Liege, published [Mechanical Tightening of a Synthetic Molecular Knot](#)
- Dr. Mariam Elabry, Brionic, published [Towards cyber-biosecurity by design: an experimental approach to the Internet-of-Medical-Things design and development](#)
- Roman Yampolskiy, University of Louisville, published [How to Escape from the Simulation](#)

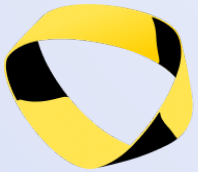


**SEEDS OF
SCIENCE**



frontiers

Prizes



The Longevity Prize

Applications to the first edition of [The Longevity Prize](#), launched in 2022, in collaboration with VitaDAO and Methuselah Foundation, are now closed. Watch out for the winning teams being announced on April 11!

The Feynman Prize

Finally! Applications to our [2023 Feynman Prize](#) are now open! Awarded since 1993, the Prize honors progress on molecular nanotechnology in the categories Theory and Experiment, and awards junior talent the Student Prize.

“The problems of chemistry and biology can be greatly helped if our ability to see what we are doing, and to do things on an atomic level, is ultimately developed — a development which I think cannot be avoided.”

—Richard Feynman

FEYNMAN PRIZE FORESIGHT INSTITUTE

“Given how time-crunched today’s readers are, it’s wonderful that these ideas are now accessible in an audio format!”

—Christine Peterson

Gaming the Future
Technologies for Intelligent Voluntary Cooperation

FORESIGHT INSTITUTE

“Gaming the Future” Audiobook

Foresight’s [audiobook version](#) of [Gaming the Future](#) is live, and only 100 copies of the [physical version](#) are left! This book gives you, the player, the technologies to securely cooperate with fellow human and AI players in advancing our civilizational game.

Foresight Global Meetups

In Q1 alone, we welcomed a full house of new Foresighters to two NYC salons, two San Francisco salons, and one London salon with up to 80 people showing up per salon!

Themes of the salons were Differential Technology Development in bio, nano, neuro, space, and AI for futures of Existential Hope. We hope to see you at the next one!



Fund beneficial futures!

Thanks to your support, we are in great shape to strengthen the support of our community in advancing technological progress, while also increasing awareness and responsibility for the beneficial technologies they develop.

Given the current global financial situation leading to an unpredictable budget, your contribution matters a lot this year. Every dollar makes a difference in enabling us to continue to grow a community of technologists committed to beneficial futures.

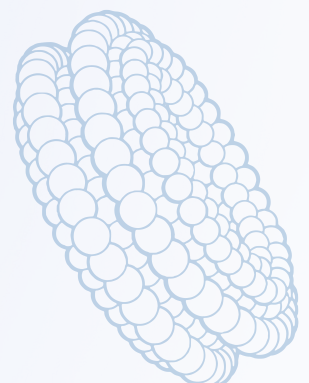
We have a variety of opportunities for more tailored collaborations, such as workshops and fellow sponsorship, and have a few exciting perks, such as our [personal longevity group](#), to thank you for your support.

As a donor, you [fund the beneficial development of science](#) and technology that is too ambitious to be supported via legacy institutions.



We gratefully accept [donations here](#) and please contact allison@foresight.org to learn more about potential collaborations.

Thank you for advancing technologies for beneficial futures with us!



Thank you for advancing the
beneficial development of
crucial technologies with us.

