

frequency bio

Welcome + Onboarding

hosted by **pillar**



Agenda

- Welcome 12-12:20
- Breakout rooms 12:20-12:40
- Q&A and Wrap-up 12:40-1:00

Who

- 89 participants
- 350 applicants
- 600+ person community

Frequency Team



Tony Kulesa
Partner



Thomas de Vlaam
Partner



Madelyn Heart
Head of Bio Platform

Focused on company
formation & seed

\$350M AUM

100+ portcos

PILLAR VC INVESTS IN



Tech



JELLYFISH



Biotech

ASIMOV

The Problem

Seed stage biotech could
grow far past current volume

<300

Funded biotech companies
per year¹

Company formation is
primarily constrained by
talent.

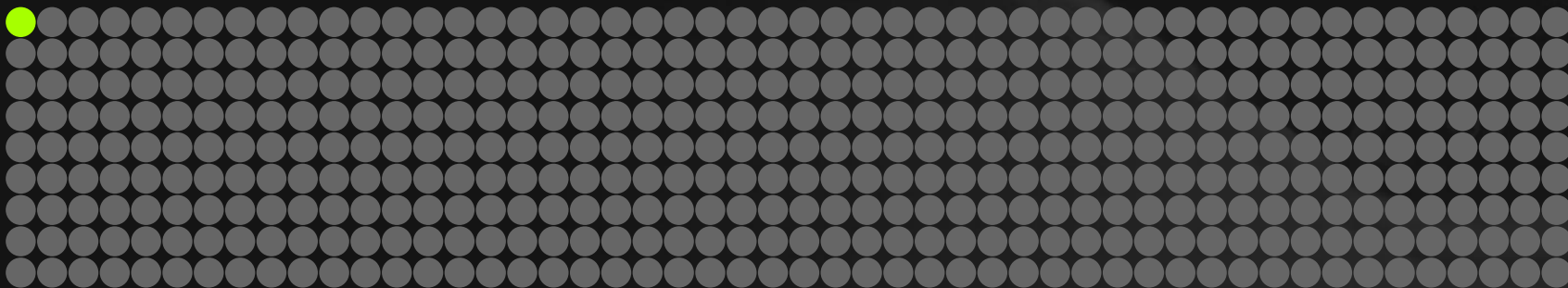
80k Active NIH projects²

\$24B NIH grant funding³

137,000

57,000 PIs² + 80,000 PhD
students³ per year

OUR OPPORTUNITY

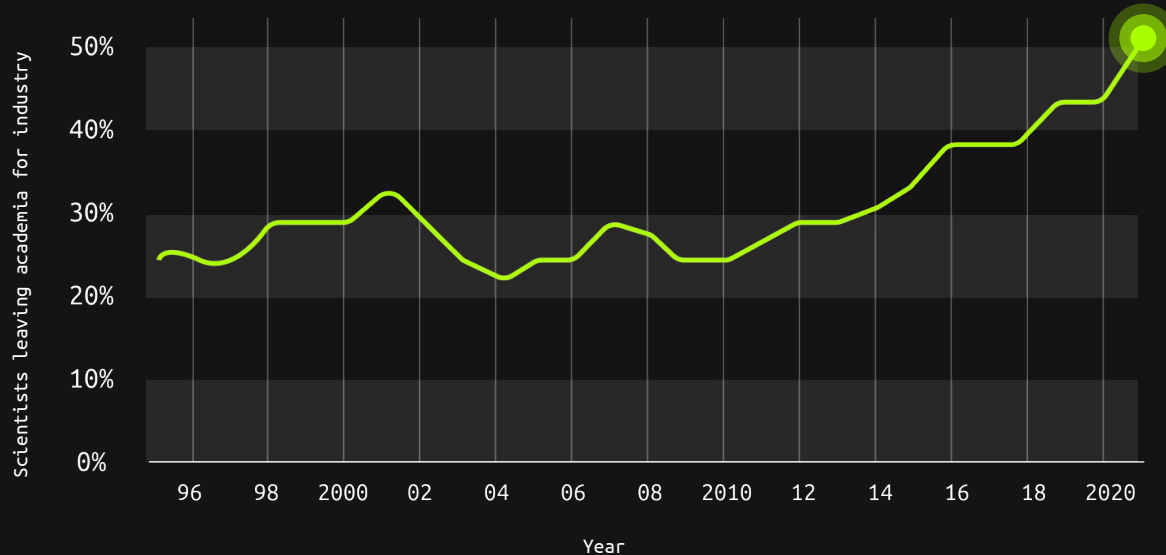


● = 300 scientists

¹Pitchbook. First financings as of 9/2022. ²NIH FY 2021 RePORTER Project Data. NIH ExPORTER. ³NIH Data Book. 4/2022.

p.07

Scientists are leaving academia for industry in record numbers



For the first time **>50%** of PhDs aspire to industry

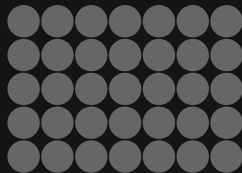
Chart: J. Emory Parker/STAT
Source: Survey of Earned Doctorates

Our opportunity

Grow the rate of company creation

● = 100 scientists

INSPIRATION



FOUNDER-LED BIOTECH SUMMIT

3,500+ attendees

EDUCATION

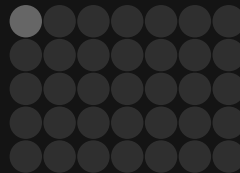


frequency

1,600+ applications

400+ participants

FORMATION



Nucleate

74 teams | Sponsor
+ exclusive VC

pillar BIO PLATFORM



Talent



Partnerships



Fundraising



Consultants



ASIMOV



Founder Playlist

EXPLORE

▼ Topics

👤 Authors

RESOURCES

📄 Templates

📖 Guides

✍️ Articles

👤 Vendors

🔊 Audio

📺 Videos

🛡️ Startup Software

📖 Leadership Books

FEATURED

new

Biotech Resources
templates • articles



Search here...



pillar

Advice and tools to help you start up & scale up

BROWSE RESOURCES FOR

Biotech Start-ups



Tech Start-ups



Start-up
Templates

25



Vetted
Vendors

258

+94 new



How to's &
Articles

74

+6 new



Start-up
Software

121

+1 new

Resources for Biotech Founders

FOUNDER-LED BIOTECH SUMMIT

hosted by [pillar](#) + [petri](#)



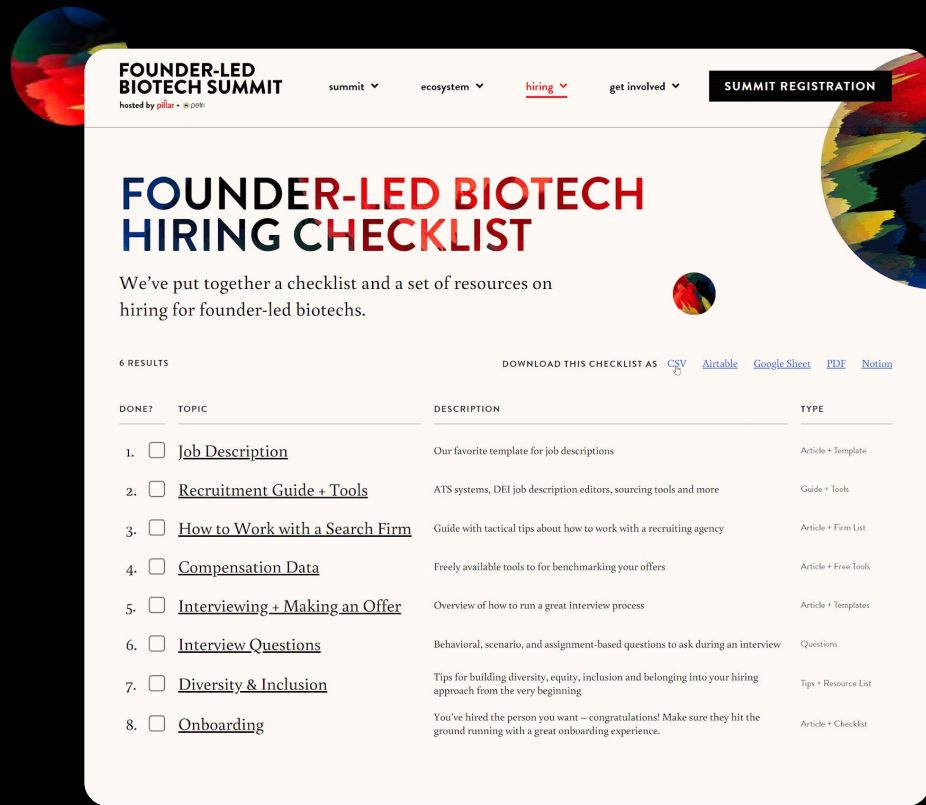
FOLLOW US
[@founderledbio](#)



JOIN US
[founderledbio.com](#)

Dedicated resources for founders

Check out our [hiring guide](#) for help hiring your first employees.



The screenshot shows the 'FOUNDER-LED BIOTECH SUMMIT' website with a navigation bar including 'summit', 'ecosystem', 'hiring' (selected), and 'get involved'. A 'SUMMIT REGISTRATION' button is in the top right. The main heading is 'FOUNDER-LED BIOTECH HIRING CHECKLIST'. Below it, a paragraph states: 'We've put together a checklist and a set of resources on hiring for founder-led biotechs.' To the right of this text is a small circular profile picture. Below the paragraph, it says '6 RESULTS' and 'DOWNLOAD THIS CHECKLIST AS' followed by links for 'CSV', 'Airtable', 'Google Sheets', 'PDF', and 'Notion'. A table with 4 columns (DONE?, TOPIC, DESCRIPTION, TYPE) lists 8 hiring resources, each with a checkbox in the 'DONE?' column.

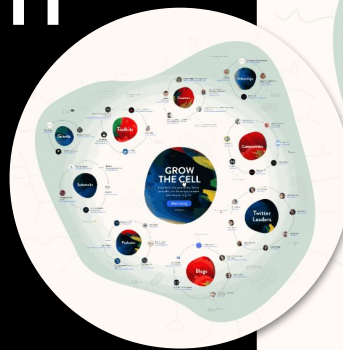
DONE?	TOPIC	DESCRIPTION	TYPE
1. <input type="checkbox"/>	Job Description	Our favorite template for job descriptions	Article + Template
2. <input type="checkbox"/>	Recruitment Guide + Tools	ATS systems, DEI job description editors, sourcing tools and more	Guide + Tools
3. <input type="checkbox"/>	How to Work with a Search Firm	Guide with tactical tips about how to work with a recruiting agency	Article + Firm List
4. <input type="checkbox"/>	Compensation Data	Freely available tools to for benchmarking your offers	Article + Free Tools
5. <input type="checkbox"/>	Interviewing + Making an Offer	Overview of how to run a great interview process	Article + Templates
6. <input type="checkbox"/>	Interview Questions	Behavioral, scenario, and assignment-based questions to ask during an interview	Questions
7. <input type="checkbox"/>	Diversity & Inclusion	Tips for building diversity, equity, inclusion and belonging into your hiring approach from the very beginning	Tips + Resource List
8. <input type="checkbox"/>	Onboarding	You've hired the person you want -- congratulations! Make sure they hit the ground running with a great onboarding experience.	Article + Checklist

FOUNDER-LED BIOTECH SUMMIT

hosted by **pillar** • **petri**

The Founder-led Bio Ecosystem

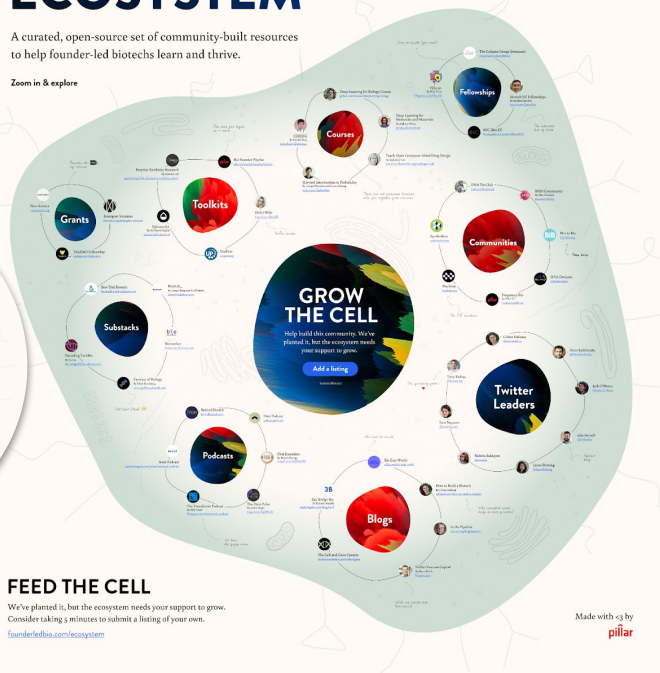
A curated, open-source set of
community-built resources.



THE FOUNDER-LED BIOTECH ECOSYSTEM

A curated, open-source set of community-built resources
to help founder-led biotechs learn and thrive.

Zoom in & explore



FEED THE CELL

We've planned it, but the ecosystem needs your support to grow.
Consider taking 5 minutes to submit a listing of your own.

founderledbio.com/ecosystem

Made with **cq** by
pillar

Why we created Frequency

1.

We want to give early stage founders direct exposure to the startup ecosystem while they are still within academic setting or industry

2.

We want you to learn how to do this, meet others who are also doing this, and drive each other to be as ambitious as possible

Our goals for this week:

1.

Get to know you

2.

Accelerate your
idea's progress

3.

Facilitate
community building

Calendar

MON 5	TUE 6	WED 7	THU 8	FRI 9
		Office Hours: Signup Required 9am – 12pm	Miroslav Gasperek Sp	Office Hours: Signup Required 9am – 12pm
			Sudharsan Dwaraknat 11am, https://us02we	
Session #1 - Onboardi 12pm, https://us02we	Session #2 - Building 12pm, https://us02we	Session #3 - Marketin 12pm, https://us02we	Session #4 - Setting M 12pm, https://us02we	Session #5 - Getting Y 12pm, https://us02we
	Josie Kishi Speaker Ta 1pm, https://us02web	Frequency Bio Speed 1pm, https://us02web	Office Hours: Signup Required 1 – 5pm	
	Office Hours: Signup Required 2 – 5pm			
		In-Person Boston 5 – 6:30pm 500 Boylston St, 9th Floor, Boston, MA		

Required sessions

CORE SESSIONS:

1. Team + IP
2. Market Opportunity + Customer Discovery
3. Milestones + Execution
4. Getting Your First Term Sheet

OFFICE HOURS:

15 minutes

Come prepared with one or two questions

Please be on time!!

Founder Talks



AUG 2024

Josie Kishi

CO-FOUNDER & CEO, DIGITAL BIO



AUG 2024

Sudharsan Dwaraknath

CO-FOUNDER & CEO, QUORUM BIO



AUG 2024

Miroslav Gasperek

CO-FOUNDER & CEO, SENSIBLE BIO



All previous frequency alums!

Resources Notion




 frequency bio


Frequency Bio Resources

Slack: A link to join Slack will be shared at the [Onboarding Session](#)

Prep Work: [Making the Most of Your Frequency Bio Experience](#)


Directory:

-  [Calendar](#)
-  [Slide Decks](#)
-  [Zoom Recordings](#)
-  [Bio Building Resources](#)
-  [The Founder-Led Ecosystem](#)
-  [Books](#)

Directory

Frequency Bio Cohort 10 Directory
Use this data
Airtab

Filter
Sort
...



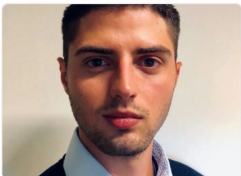
Ajay Bhargava

Email
ajay@with-context.co

Company
ligate.bio

What are you working on right now?
To meet the scale at which Generative AI biology companies need wet-lab data, the future of wet-labs must be decentralized. I am, therefore, building ...

[View on LinkedIn](#)




Alberto Conti

Email
agc53@cam.ac.uk

Company
University of Cambridge/Co-founder an...

What are you working on right now?
Preparing for our first fundraising round, which will happen towards the end of the year/beginning of next year.

[View on LinkedIn](#)




Alex Araki

Email
alexaraki.me@gmail.com

Company

What are you working on right now?
I want to establish better animal models of complex female reproductive diseases in the naturally menstruating spiny mouse. I want to lower the barrier of ...

[View on LinkedIn](#)



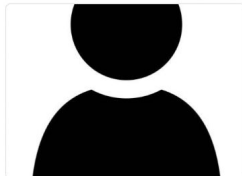
Alex Marzilli

Email
alex.marzilli@gmail.com

Company

What are you working on right now?
I am working on developing and strengthening the current pitch deck that we have.

[View on LinkedIn](#)








Alexey Seregin

Email
seregin.alexey@gmail.com

Company

What are you working on right now?

[View on LinkedIn](#)

Chatham House Rules

When a meeting, or part thereof, is held under the Chatham House Rule, participants are free to use the information received, but **neither the identity nor the affiliation of the speaker(s), nor that of any other participant,** may be revealed.

Breakout rooms

- Your name
- Where you are in the world right now
- What you're working on
- 1 way you can help others this week
- 1 way in which you want help this week

SHARE:

Who did you meet?

Q&A

Next steps

- Use the [directory](#) + onboarding materials
- Engage on Slack
- Required: Core Sessions + 1:1 Office Hours
- Founder talks
- Encouragement to initiate: what do you want to host this week?
- Plan a meetup in your local city!

Help us share Frequency

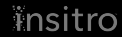
Share on Twitter + LinkedIn using the graphics we provided!

We'd love your helping sharing the program with other
people interested in starting biotech companies.

Founding Pillar Advisors



Daphne Koller



Andy Beck



Emily Leproust



Chris Voigt



Reshma Shetty



Bernhard van Lengerich



Stan Lapidus



Alec Nielsen



George Church



Bill Brady



Doug Cameron



Andras Forgacs



Pam Silver



JP Mangeolle



Lisa Dyson



Jennifer Holmgren



Paul Bleicher



The problems of the 21st century are *biological*

Health

Aging population
+ 20% GDP
healthcare spend

Biosecurity

Preparing for
next pandemic

Climate

Rising CO₂

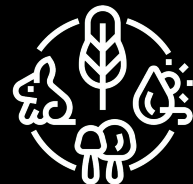
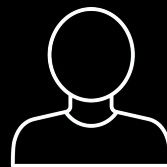
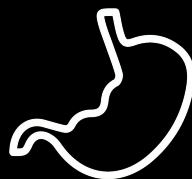
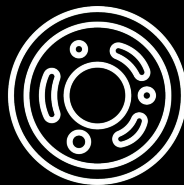
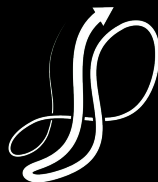
Sustainability

Raise living
standards for the
world while
protecting our planet

Fertility

Increasing
fertility issues

Biotechnology is at the inflection point

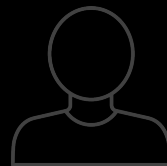
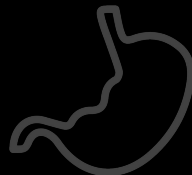
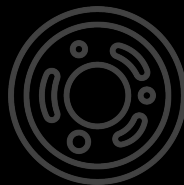


A shift from **science to engineering** is underway

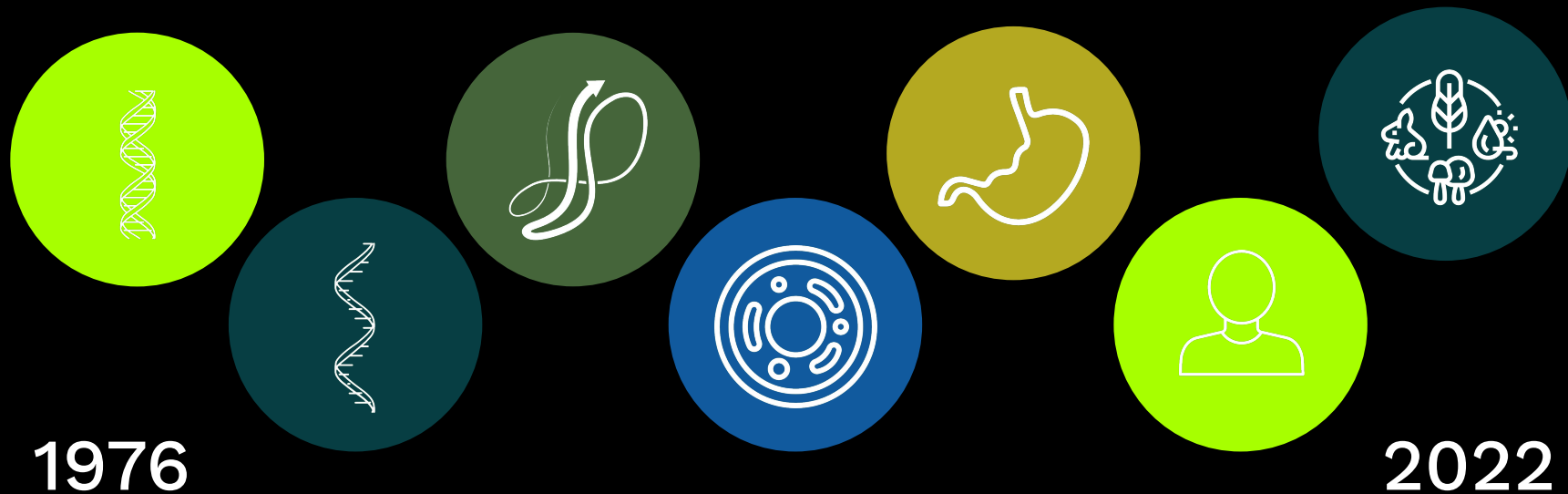


Recombinant
DNA
Genentech

1976



A shift from **science to engineering** is underway

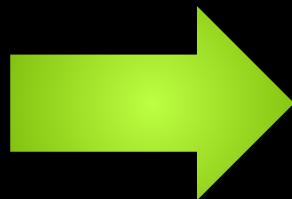


Each year, life science research generates 10,000+ new PhDs from 70,000+ faculty...but **only 300 companies**.

Biotech limited by entrepreneurial talent

Companies created by
venture capitalists

Academic culture did not
encourage
entrepreneurship



A new model
is emerging

Founder-led Biotech



ASIMOV



GINKGO
BIOWORKS

What we do

Founders need access to resources and mentorship.

We've built a unique approach to helping them get started.

Platform of mission-critical resources



Talent



Fundraising



Partnerships



Consultants

17 Founding Pillars

The scientist-turned-founder archetypes



Leading executives, board members, advisors



ASIMOV



EXACT SCIENCES

insitro



LanzaTech



Therapeutics and Drug Discovery



Sustainability



Tools

