

NIH

National Institutes of Health

Turning Discovery Into Health

NIH/NHLBI Support for Life Science Innovation

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HBCU Engage

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NIH Support for Life Science Innovation & Entrepreneurs

- ❖ **NIH Small Business Program**
- ❖ **NIH Academic Proof of Concept Center Network**
- ❖ **NHLBI Resources for Small Businesses and Academic Innovators**
 - *Types of support and services*
 - Grant Programs & Supplements to Awarded Grants
 - Tailored Innovator Resources

NIH Mission



*To seek fundamental knowledge about the nature and behavior of living systems and the **application of that knowledge to enhance health, lengthen life, and reduce illness and disability.***

NIH offers resources to support acceleration of discoveries from bench to bedside

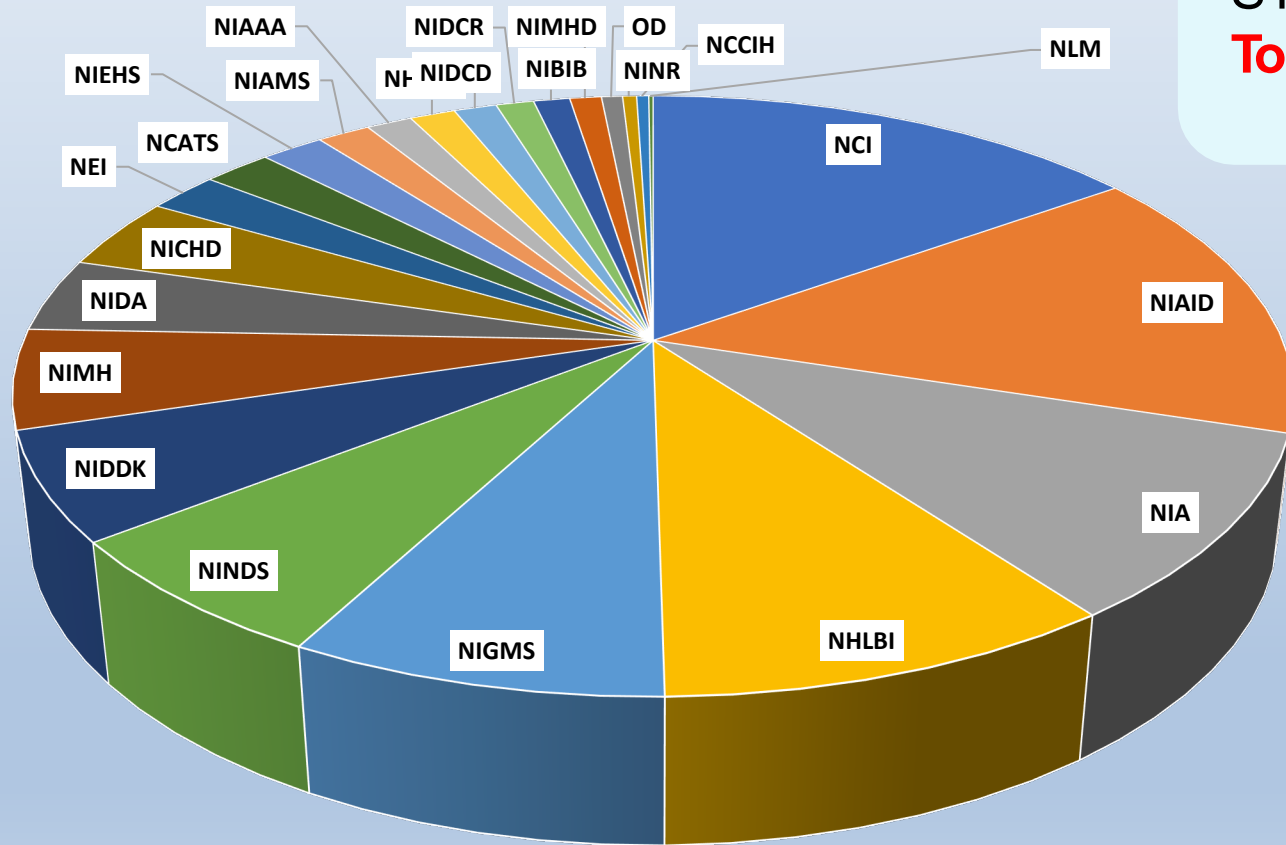
The NIH Small Business Program (SBIR/STTR)



\$1.4 billion/year

NIH SBIR/STTR Budget Allocations

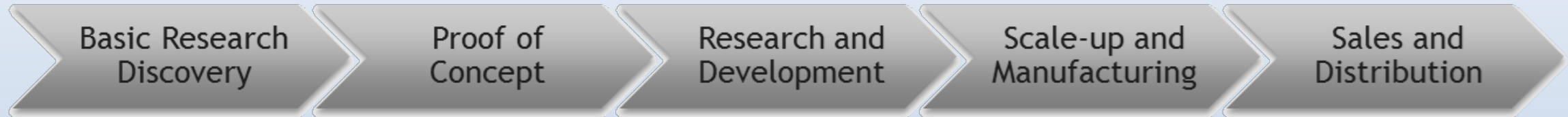
SBIR	\$1B
STTR	\$146M
Total	\$1.23 B



NHLBI: ~\$130M

Benefits of NIH SBIR/STTR Funding

The largest source (\$1.4B) of early-stage capital for life sciences in the US



Research Grants



Friends, Family,
and Founders

Angel Investors

Venture Capital

Strategic Partners

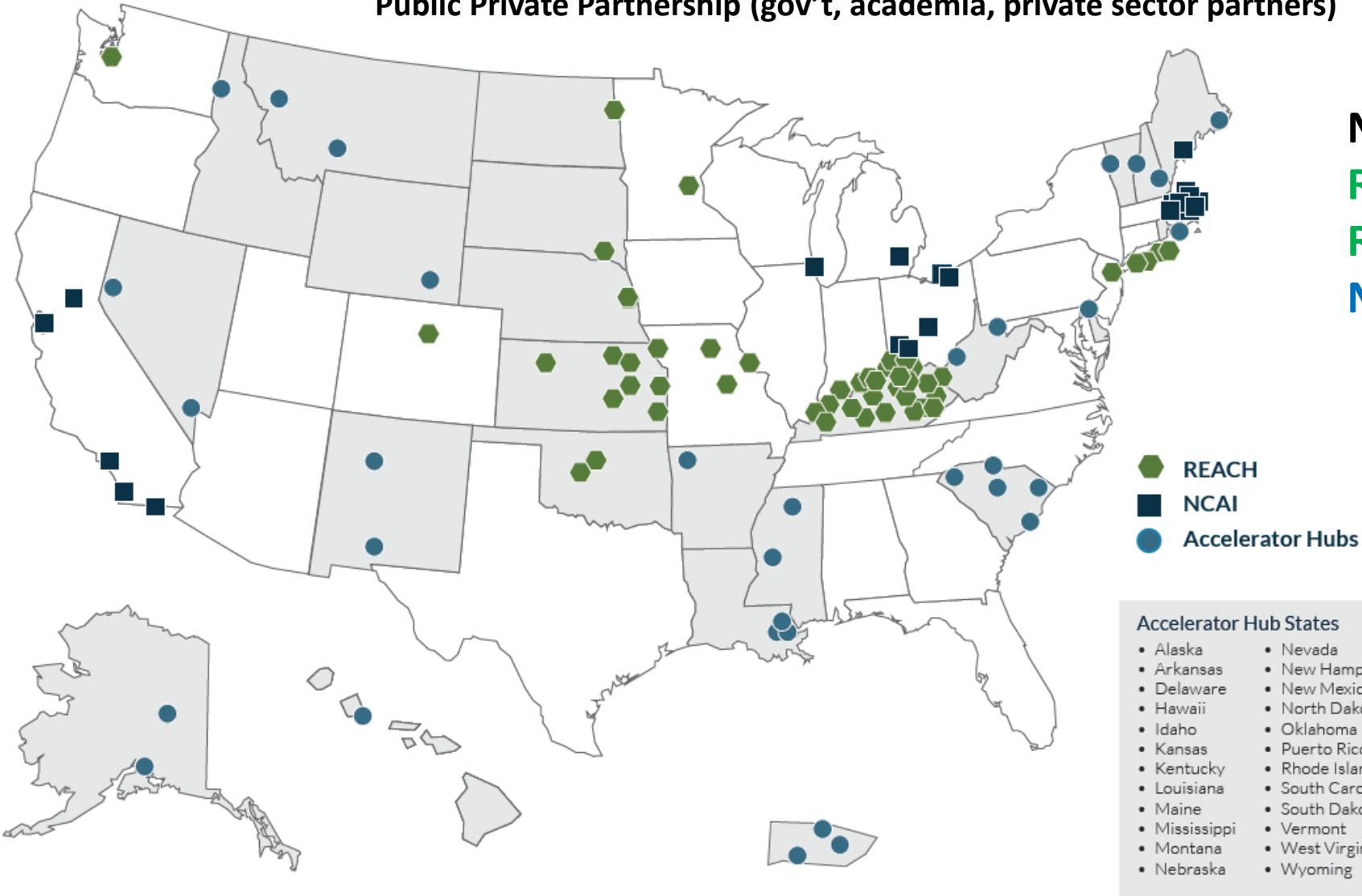
Company Formed
↑

- “Free Money”- Non-dilutive capital and not a loan
- Awardees can **leverage funding** to attract investors and partners

Network of NIH Proof-of-Concept Centers

Developing a scalable model and best practices for accelerating academic discoveries into products that improve health

Public Private Partnership (gov't, academia, private sector partners)



NCAI 2013 (NHLBI)

REACH 2015 (trans NIH)

REACH 2019 (trans NIH)

NIGMS Accelerator Hubs (2018)



Funding for Product Validation (plus match)



Project Management



Training and Resources



Personalized Feedback

Feed Small Business Program through New company formation

NCAI/REACH Indicators of Success

422

Projects

121

Startups

>\$2B

in Follow-On
Funding

9

Regulatory
approvals

64

SBIR/STTR
Awards

11

License
Options

19

Tech
Licenses

3,720

Academic Innovators w/
Entrepreneurial Training

86

New Jobs

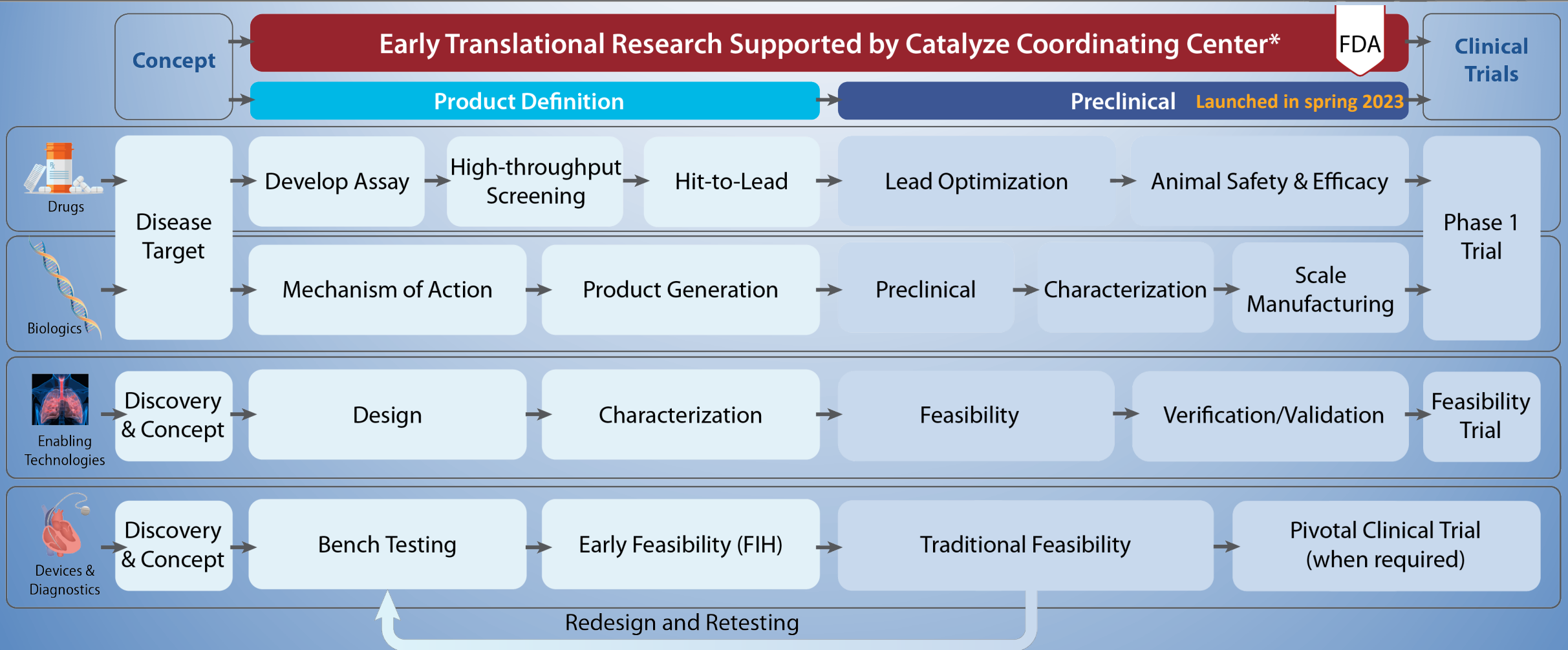
PACE: Proof-of-Concept Network Action Committee on Equity, Diversity, and Inclusion (follow/get involved - LinkedIn)

- Self-assembled DEIA working group
- Works collaboratively with NIH
- Identify resources and best practices -promote innovator diversity

NIH Investment = \$52 million to date

New REACH 3.0 Program: \$20 million available for 5 new hubs this year

Catalyze Program Components



facilitates the transition of basic science discoveries into viable products

project management | entrepreneurial education | IP and regulatory strategy | development partners

NHLBI Innovation and Commercialization Office Programs/Services

Academic Innovation

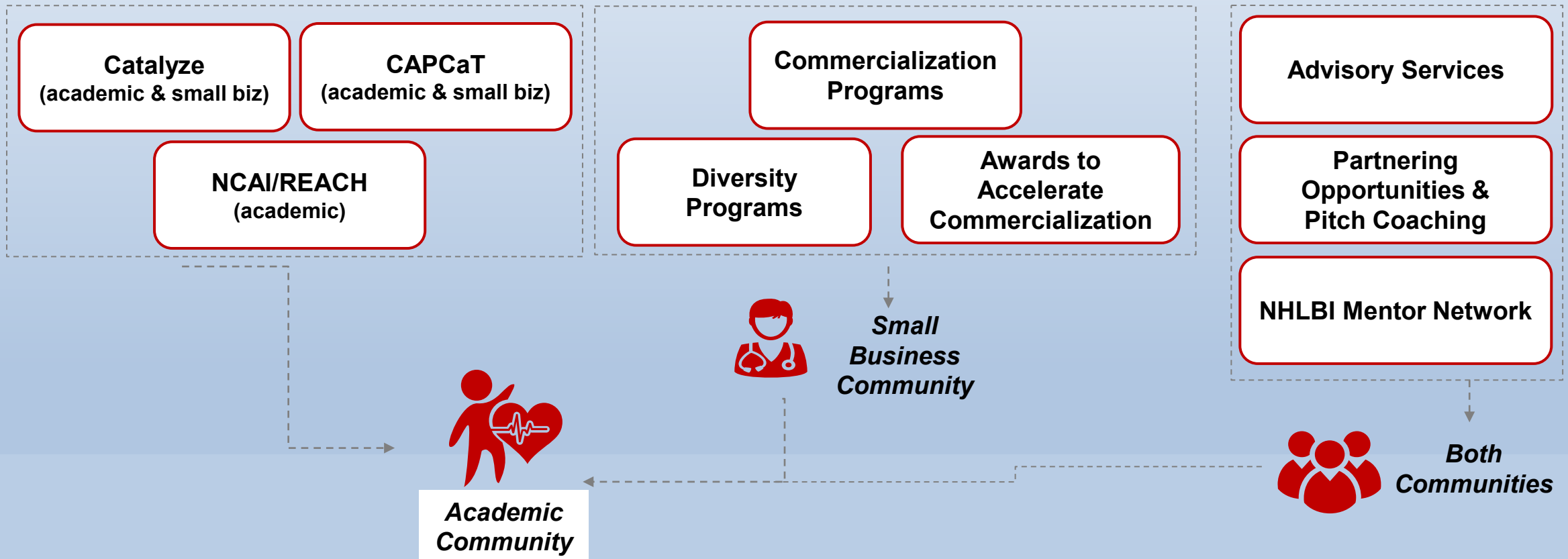
Small Business Innovation

Innovator Support

Proof of Concept/Point of Care Programs

SBIR/STTR and associated programs

Unique expert staff



Advisory Experts at NHLBI

John Hsu



Intellectual Property
Advisor

Intellectual Property

Steve Flaim



Investor-In-Residence

Investing

Kwame Ulmer



Entrepreneur in
Residence

Regulatory

Kimberly Martin



Entrepreneur in
Residence

Clinical Trials

Renée Arnold



Entrepreneur in
Residence

**Health Economics,
Outcomes Research
&
Reimbursement**

- 1:1 Consultations
- Mentor Network
- Partnering & Pitch Coaching

Small business Education & Entrepreneurial Development Office (SEED)
Supports across NIH Mission

[SEED - Helping Innovators turn discovery into health \(nih.gov\)](https://www.nih.gov/seed)

Learn More About Federal Small Business Programs

Session: Partnering with SBIR Offices to Accelerate Innovation

Tomorrow: Wednesday, April 19 from 10:30 to 11:45 a.m.

Description: Breakout session to discuss government SBIR program resources

This breakout will explore federal agency funding opportunities currently available through federal agencies and delve into how universities can partner to achieve efficiencies in IP management, talent development, and more.

Speakers: **Stephanie Davis** (NIH/NHLBI), Kathleen Gilpin (APEX), Derek Parks (NOAA), Eileen Chant (DOE), Melinda Coffman (USDA), and NASA representative tbd

Connect with the NIH / NHLBI Innovation & Commercialization Office

Connect with the NHLBI

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