

DECEMBER 3, 2024 |
ALBERT EINSTEIN COLLEGE OF MEDICINE

NCI SBIR INFO SESSION

MELISSA LI, PHD
PROGRAM DIRECTOR
SBIR DEVELOPMENT CENTER
NATIONAL CANCER INSTITUTE

SBIR
DEVELOPMENT CENTER



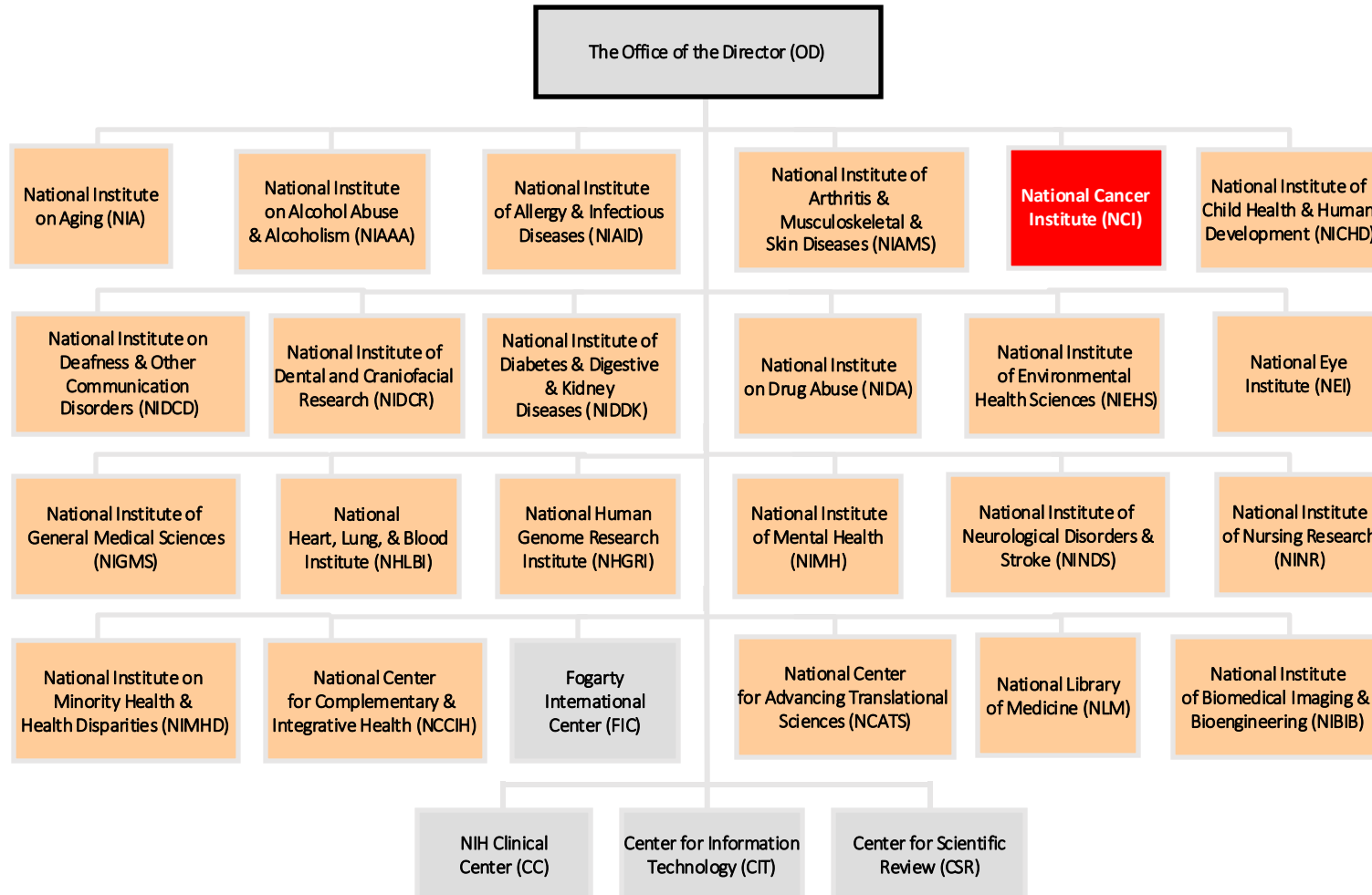
WEBINAR OUTLINE

- SBIR/STTR overview
- Administrative supplements
- NCI MATCHUP
- Other funding and resources
- Questions

SBIR/STTR OVERVIEW



27 INSTITUTES & CENTERS AT THE NIH



NIH invests more than \$32 billion in biomedical research.

NIH has several types of funding:

- **Research grants**
- **Career development awards**
- **Research training and fellowships**
- **Program project/center grants**
- **Resource grants**

SMALL BUSINESS INNOVATION RESEARCH PROGRAM

Provides funds to small businesses to conduct R&D activities developing cancer technologies that can prevent, diagnose, or treat cancer, and have commercial potential

Small Business Innovation Research (SBIR)

3.2% of extramural R&D budget

Permits research institution partnerships

PI employed by SBC
\$178M for FY23 NCI

Small Business Technology Transfer (STTR)

0.45% of extramural R&D budget

Requires a non-profit research institution partner

PI employed by either
\$25M for FY23 NCI

FY23 Budget
\$203M at NCI

\$1.3B at NIH

ELIGIBILITY



Applicant must be a Small Business Concern (SBC)



Organized for-profit U.S. business (based in the U.S. and work performed in the U.S.)



500 or fewer employees, including affiliates



> 50% U.S.- owned by individuals and independently operated

OR

> 50% owned & controlled by another (one) business concern that is > 50% owned & controlled by one or more individuals

OR

> 50% owned by multiple venture capital operating companies, hedge funds, private equity firms, or any combination of these (SBIR ONLY)

The award is ALWAYS made to the small business concern

WHY SEEK SBIR FUNDING?



Provides seed funding for innovative technology development //

Not a Loan

No repayment is required
Doesn't impact stock or shares in any way (i.e., non-dilutive.)



IP rights retained by the small business //

NIH does not request intellectual property for the SBIR- or STTR-funded technologies.



Provides recognition, verification, and visibility //

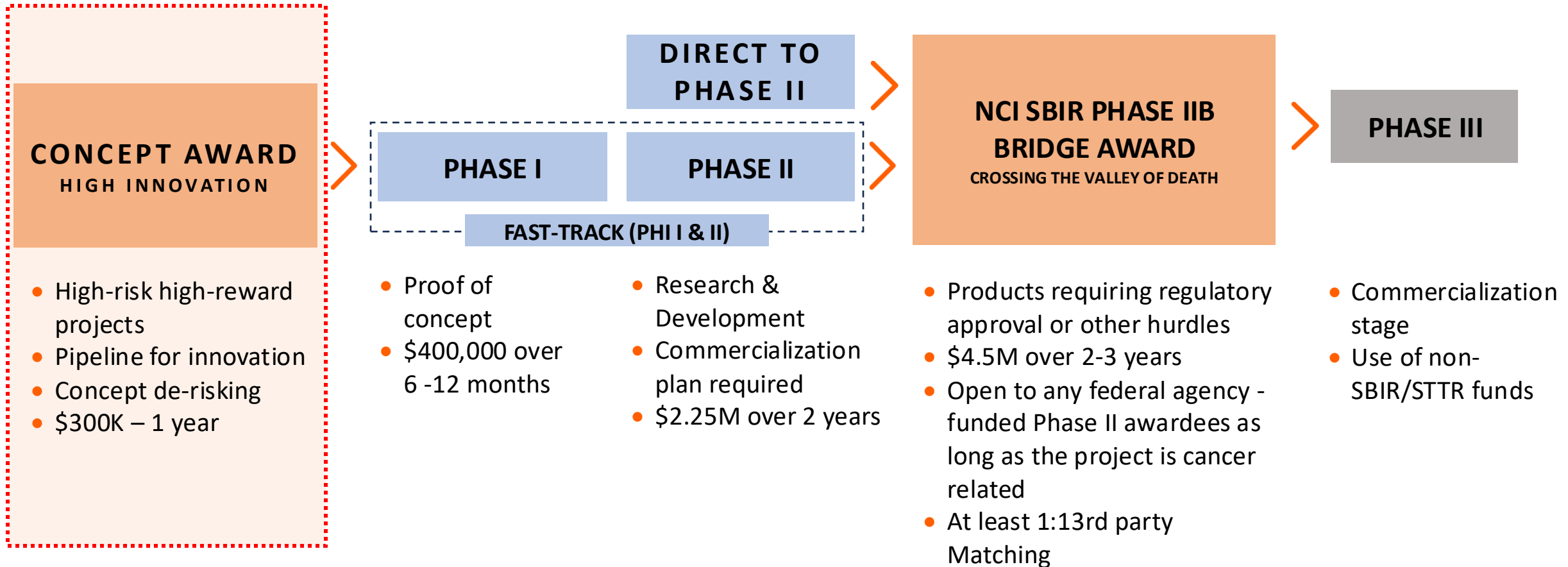
Every application is rigorously assessed by NIH Peer Review system.



Helps attract additional funding or support //

In addition to funding, we provide commercialization resources to help advance your project.

SBIR/STTR FUNDING PHASES

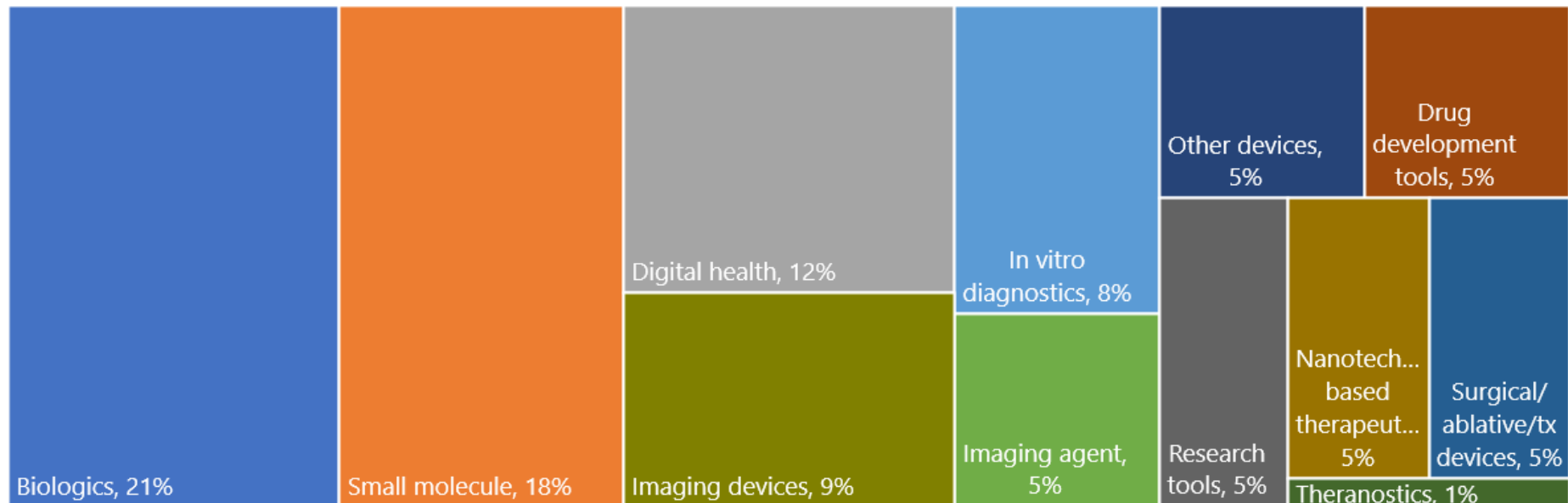


NCI CURRENT FUNDING OPPORTUNITIES

	Notice of Funding Opportunity		Deadlines
Omnibus	SBIR (R43/R44) PA-24-245 (Clinical trial not allowed) PA-24-246 (Clinical trial required)	STTR (R41/R42) PA-24-247 (Clinical trial not allowed) PA-24-248 (Clinical trial required)	Standard Due Dates: January 5, April 5, September 5
Targeted	<ul style="list-style-type: none"> SBIR Technology Transfer (NOT-NS-22-017) Utilization of Cohorts and Prospective Study Designs for Liquid Biopsy Assay Validation for Early Detection of Cancers (NOT-CA-23-004) Commercialization Readiness Pilot Program (PAR-23-129) RNA Delivery Technologies to Allow Specific Tissue Target Homing (RNA-DASH) (NOT-AI-24-007) 		Standard Due Dates: January 5, April 5, September 5
	Small Business Transition Grant for Early Career Scientists (RFA-CA-24-023)		August 22, 2024
	NCI SBIR Phase IIB Bridge Award (RFA-CA-24-022)		August 22, 2024
Contract	NIH and CDC SBIR Contract Solicitation (PHS 2025-1)		October 18, 2024
	NCI SBIR Concept Award (75N91024R00013)		September 23, 2024
Supplement	Administrative Supplements to Existing NIH Grants (PA-20-272)		Rolling deadline
	Administrative Supplements to Promote Diversity in Research and Development (SBIR/STTR) (PA-24-255)		Rolling deadline

NCI SBIR/STTR PORTFOLIO

- 450+ active projects managed by 12 program directors
- Technology agnostic and covers cancer prevention, diagnosis, and treatment



A blurred, high-angle photograph of a modern building lobby with large glass windows and a polished floor. People are walking in various directions, their figures softened to create a sense of motion and activity. The lighting is bright, suggesting a well-lit interior space.

ADMINISTRATIVE SUPPLEMENTS AND NCI MATCHUP

NIH ADMINISTRATIVE SUPPLEMENTS

- An administrative supplement is a non-competing award that provides additional funding to a currently funded grant (“parent grant”) to meet increased costs that are within the scope of the approved project, but that were unforeseen when the new or competing renewal application was awarded.

SBIR/STTR ADMINISTRATIVE SUPPLEMENT

Early Career Scientists New to Biotech:
Paid position to gain valuable research
& entrepreneurial experience



Active SBIR/STTR Companies:
Additional funding to recruit top tier
talent who will directly contribute to
completion of the parent project



Notice of Funding Opportunity:

<https://grants.nih.gov/grants/guide/pa-files/PA-24-255.html>



Up to \$150k direct cost during company's active parent award
(Project must have 6+ months remaining at time of submission)



Eligible candidates:

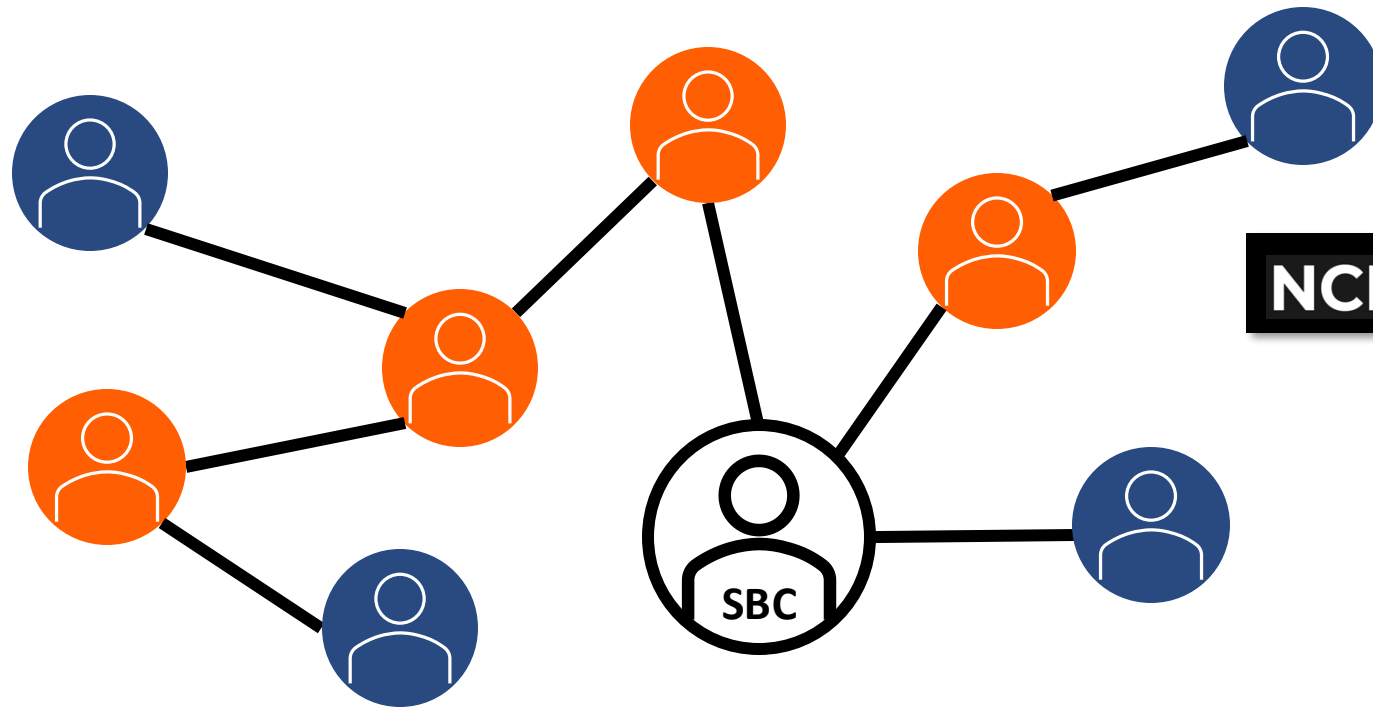
- ✓ Training level from undergraduate students to investigators developing independent research careers
- ✓ Bring fresh perspectives and new ideas
- ✓ Not on an institutional Kirschstein-NRSA training grant or have previous NIH funding as independent PI
- ✓ Citizens, non-citizen nationals, permanent residents





Don't know eligible SBIR/STTR company or trainee?

Check out the NCI SBIR [MATCHUP](#) program for facilitated connections

IDENTIFYING TRAINEE FOR ADMIN SUPPLEMENT



-  = Connection
-  = Potential candidate

NCI MATCHUP

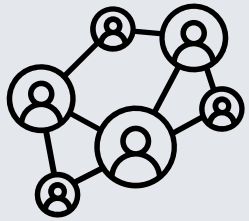
Identify trainee

SBC awarded SBIR/STTR funding

Apply for Administrative Supplement

Receive Administrative Supplement
Funding

FACILITATING CONNECTIONS VIA NCI SBIR MATCHUP



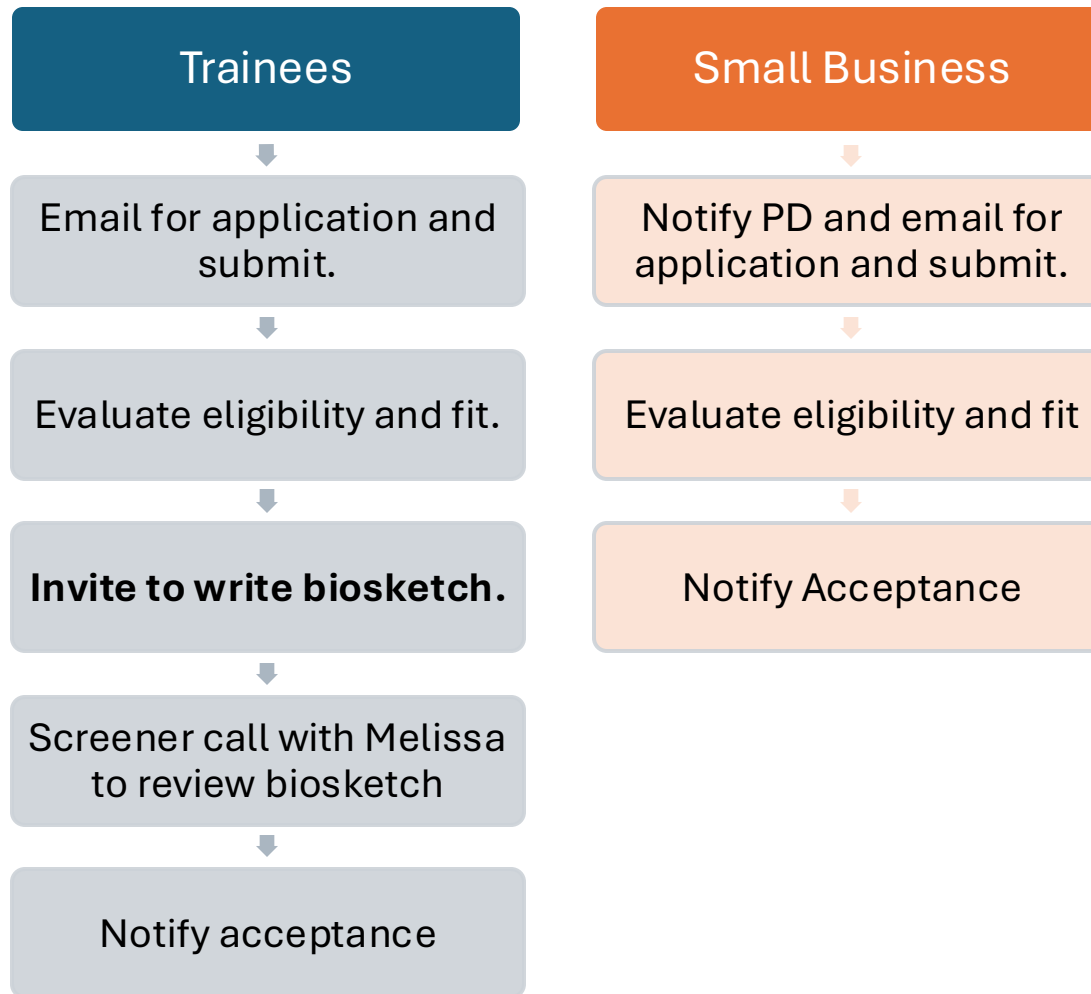
NCI MATCHUP

NCI Mentor And Trainee
Connections HUB Program

- **What:** Program that facilitates connections, introducing trainees and small businesses to reduce the burden of networking and to encourage supplement applications
- **Who:** Trainees and small businesses eligible for Administrative Supplement
- **Goal:** Increase applications and awards for the Administrative Supplement

The screenshot displays the 'MATCHUP - Trainee Candidates' interface. It features a grid of candidate cards for different categories: Undergraduate Student, Bachelors/Masters Holder, Graduate or Health Professional Student, and Postdoctoral Fellow. Each card lists details such as name, city, state, institution, degree area, and part-time status. A detailed view of Melissa Li, an Undergraduate Student, is shown on the right. Her profile includes labels like 'Wet Lab', 'Therapeutics', and 'Other- Experience', a description of her research experience, and custom fields for City (Bethesda), State (MD), Institution (NCI), Degree Area (Molecular cell biology), and Expected Completion Date (Aug 12 at 12:00 PM).

MATCHUP APPLICATION PROCESS



MATCHUP ELIGIBILITY AND REVIEW CRITERIA

	Student/Early Career Scientist	Small Business
Due Dates	Rolling deadline	
Eligibility Criteria	<ul style="list-style-type: none"> No previous funding as independent PI on research grant (i.e., R01), project/center grant (i.e., P01), career development award (K01), or institutional career development award (K12) At time of supplement award, not supported by institutional Kirschstein-NRSA training grant Must be citizen, non-citizen national, or lawfully admitted for permanent residence in the US 	<ul style="list-style-type: none"> Active NCI SBIR/STTR parent project Parent project must have at least 7 months remaining in project period Parent project cannot be in a no cost extension
Review Criteria	<ul style="list-style-type: none"> Previous experience in biomedical research Demonstrated interest and/or experience in entrepreneurship Brings fresh perspective and new ideas 	<ul style="list-style-type: none"> Previous mentoring experience

PARTICIPATE IN MATCHUP

1

Apply to MATCHUP – Email MATCHUP Program Manager (PM) Melissa Li (melissa.li@nih.gov) for an application to be screened for eligibility and fit.

2

Partner via MATCHUP – Accepted participants are invited to online platform to identify potential partners. Matches will be introduced via MATCHUP PM. Up to participants to interview each other and decide whether to partner.

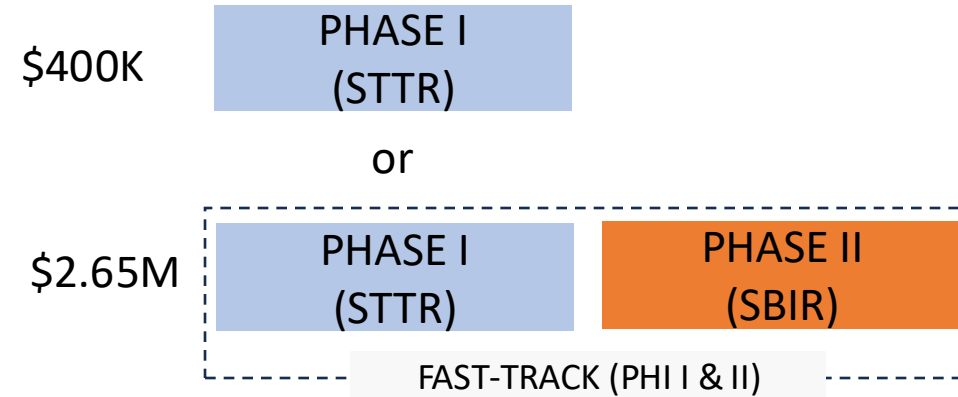
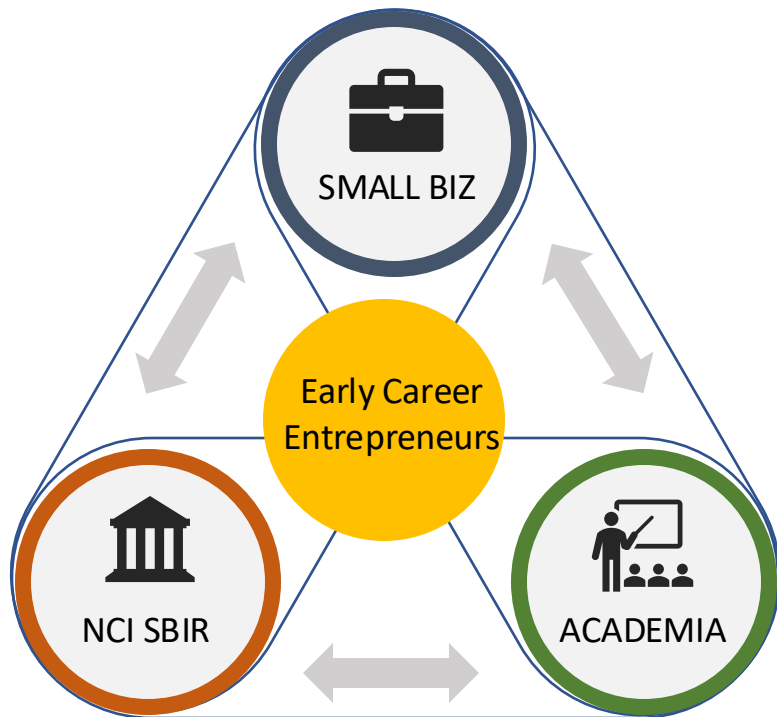
3

Apply to Administrative Supplement – Partnered trainees and small businesses are encouraged to speak to their Program Director before applying to the Administrative Supplement.

OTHER FUNDING AND RESOURCES

NCI SMALL BUSINESS TRANSITION GRANT (SBTG)

Funding for early-career academics (e.g., Postdocs) interested in transitioning to entrepreneurship

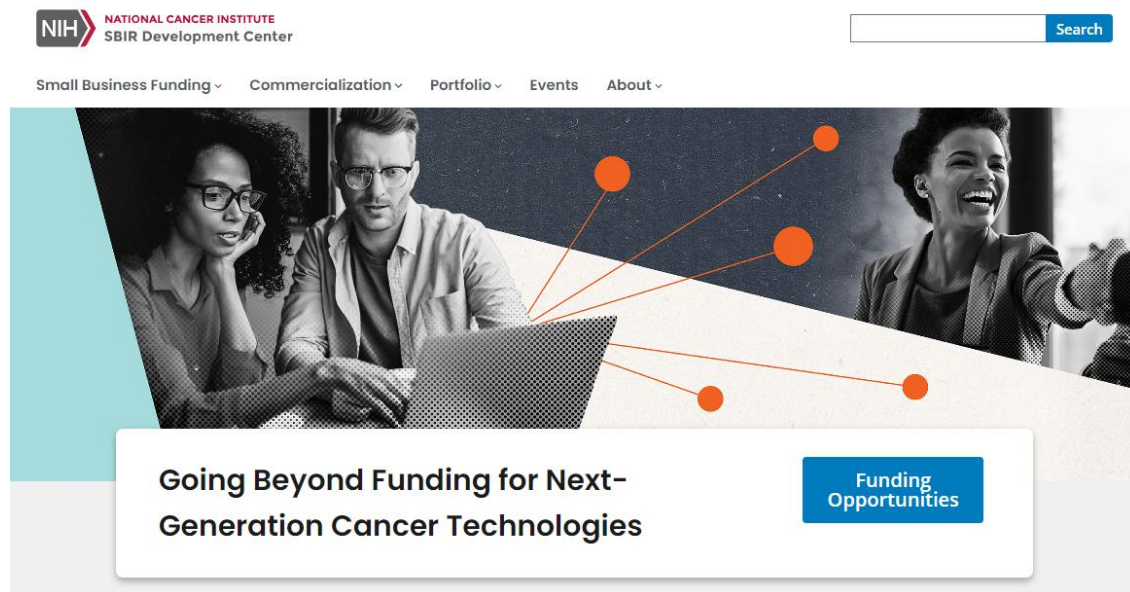


- Created to directly address gaps reported by academic entrepreneurs at NCI-designated Cancer Centers.
- Transfer of PI & technology from academic laboratories into small businesses.
- Mentoring team is key component of the award.
 - Technical & Entrepreneurial
- Solicitation: [RFA-CA-24-023](#) (expired)
- Application deadline: anticipated August 2025

DON'T HAVE AN AWARD?

Entrepreneurship Bootcamp		BIO-Entrepreneurship Capstone
Equip life science investigators and nascent companies with entrepreneurship training	Purpose	Introduce early scientists to entrepreneurship and encourage consideration of an entrepreneurial career
2-3 person teams with a technical lead and business lead	Who	Students, postgraduate fellows, and early career faculty. Candidates new to NIH funding encouraged to register
<p>8-week virtual program</p> <ul style="list-style-type: none"> • 10-20 hours of effort from team each week • Complete 30 customer discovery interviews • Ends in final presentation to NIH program directors 	What	<p>3 stages with gated advancement</p> <ul style="list-style-type: none"> • Stage 1 (6 weeks): Introduction to life science entrepreneurship and commercialization • Stage 2 (4 weeks): Product development • Stage 3 (1 week): BIO International Convention preparation and presentation
<p>Applications open now Nov 25-Dec 20, 2024</p> <p>Starts Jan 30, 2025</p>	Apply	Previous cohort Mar-Jun 2024
<p>https://seed.nih.gov/entrepreneurial-training/bootcamp</p>		<p>https://seed.nih.gov/entrepreneurial-training/bioecapstone</p>

STAY IN TOUCH!



<https://sbir.cancer.gov>



<https://www.linkedin.com/company/nci-sbir-development-center/>



<https://twitter.com/ncisbir>



NCI SBIR Innovation Lab Podcast

<https://sbir.cancer.gov/about/innovation-lab-podcast>

THANK YOU

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NCI SBIR

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