NIAID Funding Opportunities

Stephanie M. Coomes, Ph.D.
Division of Microbiology and Infectious Diseases
National Institute of Allergy and Infectious Diseases
National Institutes of Health
stephanie.coomes@nih.gov
My Role at NIAID

- Program officer for microbiology/ID training grants (T32/ T35)
- Program contact for microbiology/ID fellowships
- Division coordinator for international, policy, and communications activities
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 Comprises 27 Institutes and Centers (ICs)

NIH is made up of 27 Institutes and Centers, each with a specific research agenda, often focusing on particular diseases or body systems.

https://www.nih.gov/institutes-nih/list-nih-institutes-centers-offices
A vast majority of NIH funding is used to support extramural research

Extramural Research Support (~85-90% of the budget)
- Research by scientists in universities & other research institutions
- Training research investigators
- Communicating biomedical information

Intramural Research (~10-15% of the budget)
- Conducted in NIH’s own laboratories
**National Institute of Allergy and Infectious Diseases (NIAID) Mission**

**Mission:** Conduct and support research to better understand, treat, and ultimately prevent infectious, immunologic, and allergic diseases.

Image credit: A. Fauci
Division of Microbiology and Infectious Diseases (DMID) Mission

**Mission**: Support extramural basic through applied research to control and prevent diseases caused by virtually all human infectious agents except HIV
DMID’s Scientific Priorities

- Maintain a robust portfolio of basic, translational, and clinical research in microbiology and infectious diseases
- Develop countermeasures to mitigate emerging infectious disease outbreaks and biodefense threats
- Support the development of vaccines, therapeutics, and diagnostics for tuberculosis
DMID’s Scientific Priorities

- Combat the health impact of antibacterial resistance
- Advance the development of universal influenza and coronavirus vaccines
- Improve strategies for prevention and treatment of malaria
Pandemic Preparedness

- Systematically **characterize pathogens of concern**, increase research and surveillance to identify threats before they emerge
- **Shorten timelines** between pathogen emergence and authorization of countermeasures
- **Bridge or eliminate gaps** in research, infrastructure, and technology and expand pre-clinical and clinical testing capacity

[https://www.niaid.nih.gov/research/pandemic-preparedness](https://www.niaid.nih.gov/research/pandemic-preparedness)
Mechanisms to achieve DMID priorities

- Grants
  - NIH-Wide Funding Opportunities
  - NIAID Funding Opportunities

- Contracts
  - NIAID Requests for Proposals

- Resources for Researchers
NIH Grants Process

1. Identify Funding Opportunity
2. Apply for Funding
3. Receipt and Referral
4. Peer Review
5. Funding Decision
6. Resubmission (if not funded)
Identifying Funding Opportunities

1. Search NIH and IC webpages
2. Contact a program officer to ask about opportunities/ verify that your idea fits within that IC’s mission
3. Contact the program contacts for each opportunity to confirm your eligibility
4. Be sure to check out opportunities at other relevant NIH ICs

https://www.niaid.nih.gov/grants-contracts/training-career-grant-programs
You can use NIH Matchmaker to help you find a program officer in your research area.

https://reporter.nih.gov/matchmaker
NIAID Funding Opportunities

- Webpage lists all active NIAID funding opportunities
- Filter by grant type
- Searchable

https://www.niaid.nih.gov/grants-contracts/opportunities
Concepts May Turn Into Initiatives

- Concepts represent early planning stages for initiatives
- Council-approved concepts posted a few weeks after each advisory Council meeting

https://www.niaid.nih.gov/grants-contracts/potential-opportunities
Sign up for email updates!

- Research Funding
  - Concepts, Potential Funding Opportunities
  - Newsletter, NIAID Funding News
  - Paylines
- NIAID Funding Opportunities
  - Program Projects (P) and Cooperative Agreements (U)
  - R&D Contracts (requests for proposals and broad agency announcements)
  - Research Supplements (administrative, diversity, reentry)
  - Single Project Research Grants (e.g., R01 and R21)
  - Small Business Awards (SBIR and STTR)
  - Training (T), Career (K), and Fellowship (F) Awards

https://www.niaid.nih.gov/global/email-updates
NIAID provides sample applications and summary statements

https://www.niaid.nih.gov/grants-contracts/sample-applications
DMID Resources for Researchers

Product Development Pathway

- Basic Research
  - Hypothesis Development and Testing

- Preclinical Development
  - Discovery
  - IDE- and IND- Enabling Activities
  - Research Tools and Biological Materials

- Clinical Evaluation
  - Trials

Funding opportunities
- Research tools and biological materials
- Preclinical and clinical services
to facilitate product development

https://www.niaid.nih.gov/research/resources
DMID Preclinical Services Program

- In vitro Assessment for Antimicrobial Activity
- Preclinical Models of Infectious Disease
- Therapeutic Development Services
  - Biopharmaceutical Development Services
  - Interventional Agent Development Services
- Vaccine Development Services
  - Vaccine Testing
  - Vaccine Manufacturing

https://www.niaid.nih.gov/research/resources
Thank you!

stephanie.coomes@nih.gov