

INCATE 8 November 2023

# Resources from NIAID's Division of Microbiology and Infectious Diseases to Facilitate Discovery & Development of Anti-Infectives

Erin Zeituni, Ph.D.

Preclinical Services Program Manager

Bacteriology and Mycology Branch

[erin.zeituni@nih.gov](mailto:erin.zeituni@nih.gov)

NIAID



National Institutes of Health (NIH)

National Institute of Allergy and Infectious Diseases (NIAID)

Division of Microbiology & Infectious Diseases (DMID)

# The National Institutes of Health (NIH) is the United States' medical research agency, and is composed of 27 Institutes and Centers

The mission of the **National Institute of Allergy and Infectious Diseases (NIAID)** is to conduct and support basic and applied research to better understand, treat, and ultimately prevent infectious, immunologic, and allergic diseases.

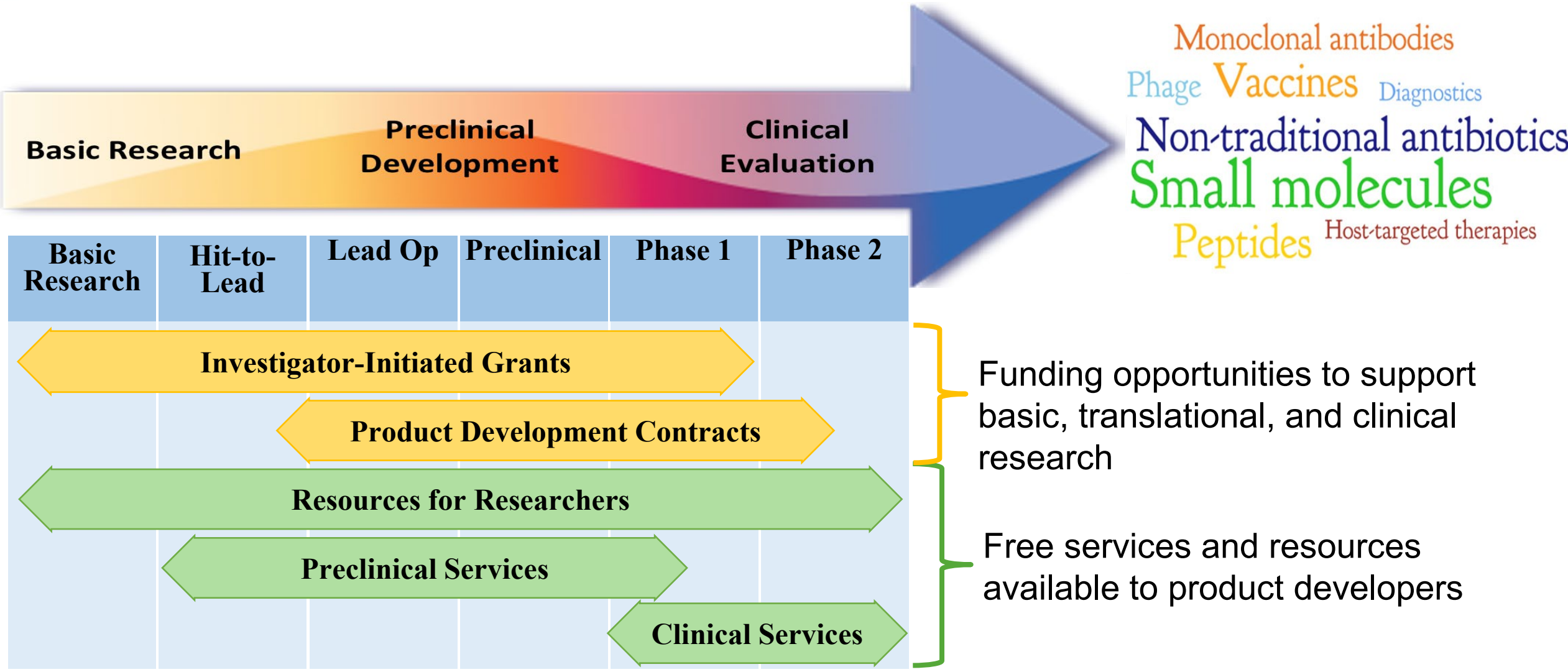


NIAID's **Division of Microbiology and Infectious Diseases (DMID)** supports extramural research to control and prevent diseases caused by virtually all human infectious agents, except HIV.

*Priorities include but are not limited to:*

- Tuberculosis
- Influenza
- Malaria
- Antimicrobial resistance
- Emerging infectious diseases/ biodefense pathogens

# The Division of Microbiology and Infectious Diseases has Several Mechanisms to Support Product Development Activities



Adapted from ACS ID 2020 Jun 12;6(6):1299-1301.PMID: 32527092

# NIAID Funding Opportunities for Product Development – Grants, Contracts, and Cooperative Agreements

Research Diseases & Conditions **Grants & Contracts** Clinical Trials News & Events About NIAID

Find a Funding Opportunity

Opportunities & Announcements

Types of Funding Opportunities >

NIAID Research Priorities >

See Funded Projects

Timelines & Due Dates >

Grants & Contracts

## Find a Funding Opportunity

### Opportunities & Announcements

Stay abreast of NIAID-relevant funding opportunities, updates to policy, and other announcements of interest to potential grant and award seekers.

- [Grant Funding Opportunities](#)
- [Contract Solicitations](#)
- [Special Announcements](#)
- [Find Funding Outside NIH](#)

<https://www.niaid.nih.gov/grants-contracts/find-funding-opportunity>

For updates on **Funding Opportunities**, subscribe to **NIAID Funding News**:  
<https://www.niaid.nih.gov/grants-contracts/funding-news>

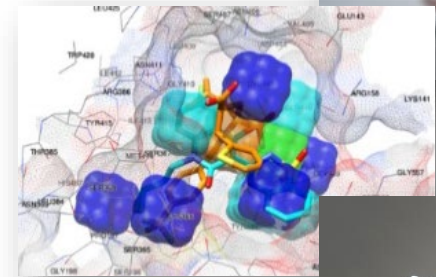
# DMID Preclinical Services (PCS) – Suite of contracts supporting anti-infective product development



- Provide gap-filling services (not funding)
- Lower the risk and advance promising discoveries along product development pathway
- Agreements maintains confidentially and intellectual property

## Eligibility

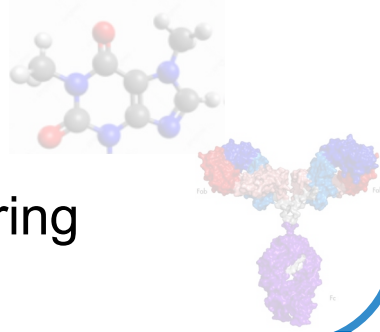
- Innovators from academia, non-profit organizations, industry, and government
- Domestic or foreign institutions
- Do not need to have NIH funding
- Simplified Request Process – available year-round



# Overview of DMID Preclinical Services: Gap-filling services that provide critical data to advance candidate products

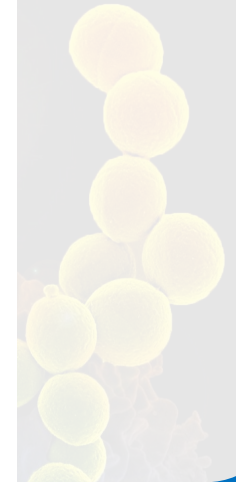
## Synthesis and Manufacturing

- Medicinal Chemistry, Analog Synthesis
- Scale up – Leads, Intermediates
- GMP manufacturing
- Process Development
- Vaccine manufacturing
- Biotherapeutic manufacturing



## Efficacy Assessment

- *In vitro* MIC testing
- Animal infection models
- Developing new infection models



## Diagnostics Services

- Reagent production
- Assay development
- Pathogen sequencing

## Nonclinical Profiling

- *In vitro* ADME & Tox profiling
- PK screening in rodents
- PK & Toxicology (including GLP)
- Immunogenicity studies



<https://www.niaid.nih.gov/about/dmid-preclinical-clinical-services-contacts>

# Questions and Contact Info



*[erin.zeituni@nih.gov](mailto:erin.zeituni@nih.gov)*

**For more information on DMID Product Development Resources:**  
<https://www.niaid.nih.gov/about/dmid-preclinical-clinical-services-contacts>

**NIAID Funding News:**  
<https://www.niaid.nih.gov/grants-contracts/funding-news>