



National Institute of Allergy and Infectious Diseases

NIH resources to support research and training proposals.

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NIAID



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
National Institutes of Health

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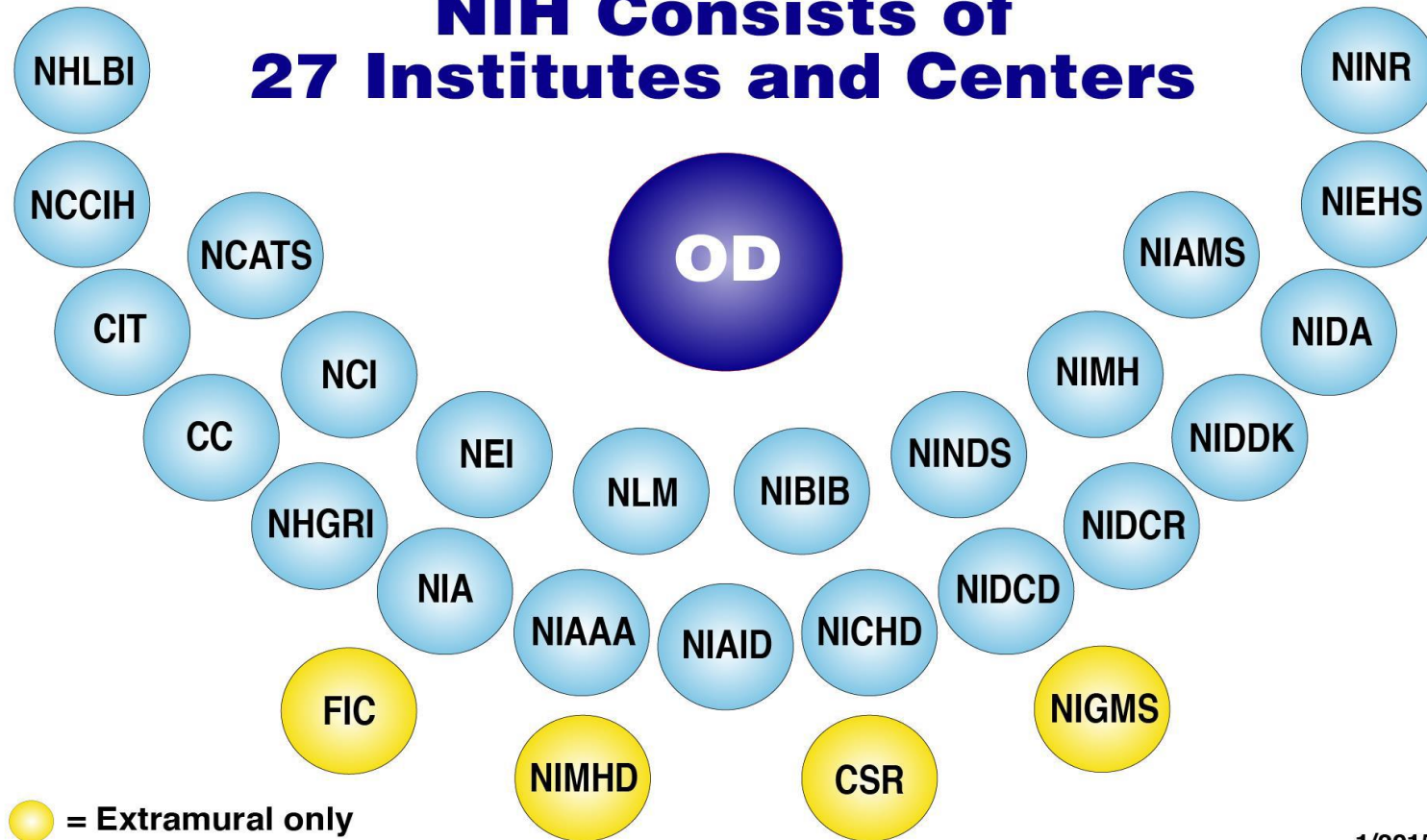
Outline

- The National Institutes of Health
- Institutions and their missions
- Types of applications
- Grant submission, review and funding
 - Fogarty opportunities
 - National Institute of Allergy and Infectious Diseases Opportunities
- Useful contacts and resources
- Summary



NIH Institutes and Centers (ICs)

NIH Consists of 27 Institutes and Centers



1/2015

NIH



Institutes and their Missions

- National Institutes of Allergy and Infectious Diseases (NIAID)
 - Mission: NIAID conducts and supports basic and applied research to better understand, treat, and ultimately prevent infectious, immunologic, and allergic diseases.
 - <https://www.niaid.nih.gov/>
- Fogarty International Center (FIC)
 - Mission: FIC is dedicated to advancing the mission of the NIH by supporting and facilitating global health research conducted by U.S. and international investigators, ...
 - <https://www.fic.nih.gov/>



Fogarty International Center

- Build research capacity of individuals, institutions, & networks to meet future & evolving global health challenges.
- Advance research on prevention & control of the dual burden of communicable & non-communicable diseases & disability.
- Build & strengthen partnerships to advance global health research & research capacity.



Two types of applications at NIH

- **Unsolicited:** Investigator initiated research and training in the area of the institutes' research interest.
 - Parent Program announcements
https://grants.nih.gov/grants/guide/parent_announcements.htm
- **Solicited:** Institutes initiated research and training areas
 - **Ex.** Fogarty's initiatives for Harnessing Data Science for Health Discovery and Innovation in Africa (DS-I Africa)

NIH funding opportunities (ex. NIAID) Unsolicited/Solicited



- **R01** Research project grant (preliminary result required). Up to 5 years
- **R21** Encourages new, exploratory and development research project. 2 years
- **R03** Pilot or feasibility studies, collection of preliminary data, secondary analysis of existing data... 2 years
- **U** – Cooperative agreement with NIH institutes and centers
- NIAID Notice of Funding Opportunities [Opportunities List](#)
 - Subscribe (weekly updates):
 - https://grants.nih.gov/grants/guide/listserv_dev.htm

Fogarty research/training funding opportunities



- **D71**- Planning grant for LMIC* institution to apply as applicant in subsequent D43 training – two-year award
- **D43**- International Training Grants – US institution or previous D71 awardee as applicant to support scientific leadership and research expertise at LMIC* institution-five-year award
- **G11**- Research infrastructure-(US institutions as applicant to support TRAINING (not buildings, hardware or software) in one of six infrastructure areas at LMIC institution-three-year award (PAR16-280)
- **K43** - Emerging Global Leader Award (Post Doc support)
- <http://www.fic.nih.gov/funding/index.htm>

Fogarty Career Development Programs



K01

Program Information Page

<http://www.fic.nih.gov/programs/Pages/research-scientists.aspx>

FAQs

<http://www.fic.nih.gov/Programs/Info/Pages/irsda-faqs.aspx>

K43

Program Information Page

<http://www.fic.nih.gov/Programs/Pages/emerging-global-leader.aspx>

FAQs

<http://www.fic.nih.gov/Programs/Info/Pages/faqs-emerging-global-leader.aspx>

NIH Research Career Development Award Programs

Listing of all NIH K programs; many allow *Foreign Components*

<https://researchtraining.nih.gov/programs/career-development>

Program Contact: Dr. Christine Jessup, Program Director, Fogarty International Center, National Institutes of Health, Email: Christine.Jessup@nih.gov



NIH
Fogarty

Harnessing Data Science for Health Discovery and Innovation in Africa (DS-I Africa)



NIH Common Fund Program that aims to spur new health discoveries and catalyze innovation in healthcare, public health, and health research on the continent through application of data science.



- DS-I Africa projects: <https://dsi-africa.org>
- Subscribe to the **mailing list**: <https://dsi-africa.org/newsletter-subscribe>
- Join the **Partnerships and Outreach** Working Group
 - <https://redcap.h3abionet.org/redcap/surveys/?s=4THEJXLNPL8PYXAL>
- Fogarty contact person: Laura Povlich: laura.povlich@nih.gov



Data Science FAIR Principle

- FAIR principle
 - F – Findable
 - A – Accessable
 - I – Interoperable
 - R – Reproducible

Currently DS-I Africa funds 39 projects



- Ex1. Advancing Public Health Research in Eastern Africa through Data Science Training (APHREA-DST)
 - Partners: *Columbia University (USA), Addis Ababa University (Ethiopia) and University of Nairobi (Kenya)*
- Ex2. Research Training on Harnessing Data Science for Global Health Priorities in Africa (WASHA-Takwimu)
 - Partners: *Harvard University (South Africa), Heidelberg University (Germany), University of KwaZulu-Natal (South Africa), and researchers and experts from other African countries (Ghana, Nigeria, Tanzania and Uganda).*
- Ex3. NYU-Moi Data Science for Social Determinants Training Program (DSSD).
 - Partners: *New York University and Brown University (USA), Moi University (Kenya) with other data science institutions in Kenya.*

1ST LEVEL PEER REVIEW (SCIENTIFIC MERIT)



- NIH scoring criteria
 - Significance – importance of problem.
 - Investigator (s) – training, experience
 - Innovation - novelty of approach
 - Approach – concept, methods
 - Environment – Institutional support
- Reviewers: Independent researchers including subject matter area expertise and Quantitative area researchers.



1ST LEVEL PEER REVIEW CONTD.

MOST COMMON CONCERNS

- Summary statement with reviewers' concerns will be sent to the Applicant(s)
 - Lack of new or original ideas,
 - Unfocused Research Plan,
 - Lack of knowledge of Published relevant work,
 - Uncertainty concerning the future directions,
 - Unrealistically large amount of work,
 - Lack of experience/expertise in the subject matter*

WHAT DETERMINES WHICH AWARDS ARE FUNDED?



- Scientific Merit (Study section result, 1st level review).
 - Scores from peer review/ Study research results
- Program and/or Policy considerations
 - Is the proposal in the area of the institute's research interest.
- Availability of funds (2nd level review)



Useful Resources

■ Useful resources

- Investigators at your institutions who have funded NIH grants (Both statistical and subject matter area researchers)
- ICs Program Contacts:
 - NIAID statistical methods grants contact
 - Misrak Gezmu, mgezmu@niaid.nih.gov
- NIH Center for Scientific Review (CSR) contact: Scientific Review Officer
- NIH's and different IC's websites:
 - <https://www.nih.gov/institutes-nih>

Useful Resources Contd.



- Grant Process Overview
 - https://grants.nih.gov/grants/grants_process.htm
- NIAID and NIH Sample Forms, Plans, Letters, Emails, and More
 - <https://www.niaid.nih.gov/grants-contracts/sample-applications#more>
- Sample funded applications and summary statements:
 - <https://www.niaid.nih.gov/grants-contracts/sample-applications>



Useful Resources Contd.

- Use NIH databases to learn about emerging trends in funded research, find collaborators.
 - Reporter: <https://www.niaid.nih.gov/grants-contracts/reporter>
 - Matchmaker: [Matchmaker](#) function lets you paste in text, gives you a list of up to 100 similar projects.

Office of Sponsored Research Services (OSRS)



- OSRS responsibilities include:
 - Identify funding resources (subscribe to funders opportunities)
 - Registration (Organization and contacts)
 - Grant application preparation and submission assistance
 - Grants management and budget preparation,
 - Research award policies and compliance,
 - Grant closeout (end of award activities, and process approvals of all grants and other funding award agreements.)
 - Communicate with NIH OSRS

Overview of Pre-Award and Post-Award process



■ Pre-Award Phase

- Find funding
- Prepare application or proposal and submit
- If successful, Notice of grant award is received
- Award accepted by Institution/University

■ Post-Award Phase

- Award setup
- Monitoring research progress
- Submit Progress reports to sponsor
- Award closeout

<https://www.niaid.nih.gov/sites/default/files/Manual%20of%20Operations%20for%20Research%20Awards.pdf>



NIH Registration

- To submit grant/contract application to NIH, your organization must complete multiple registrations.
 - Must have a valid and active full SAM registration at time of application and award. It takes **3 weeks** for original registration and **2 weeks** for yearly renewal
 - [System for Award Management \(SAM\)](#)
 - eRA Commons is the NIH-managed system that allows applicants, recipients, and agency staff to securely access, share, and transmit information. eRA Commons credentials are also used to access ASSIST, NIH's online system used to prepare and submit grant applications. Allow **two weeks or more**.
 - [eRA Commons](#)



NIH Registration Contd.

- Required to submit grants. Allow one day for process to complete
 - [Grants.gov](https://grants.gov)
- Small Business Administration (SBA) Company Registry (optional). Allow 2-3 business days.
 - [Small Business Administration \(SBA\) Company Registry](https://sba.gov/company-registry)
- Once your organization is registered, your signing official creates accounts for others in the Account Management System. For help, see [Create an Account](#).
- Plan to have all registrations ready before submitting a grant.
 - If new, completing registration takes more than 6 weeks.



Other funders

- European and Developing Countries Clinical Trials Partnership funded projects
 - <https://www.edctp.org/>
- Wellcome Trust
 - <https://wellcome.org/>
- Rockefeller Foundation
 - <https://www.rockefellerfoundation.org/>
- Gates Foundation
 - <https://www.gatesfoundation.org/>



Summary

- **Be knowledgeable** about the funding institution/organization
- **Apply early:** This will give you extra time to correct unforeseen errors
- If not successful the first time: **revise and resubmit (no limit)**; if not appropriate for NIH, look for another funder.



Thank you