

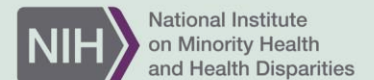
# Navigating NIMHD and NIH

Nancy L. Jones, Ph.D.

*Health Scientist Administrator*

*Community Health and Population Sciences*

**National Institute on Minority Health  
and Health Disparities**



# NIMHD Mission

The mission of NIMHD is to lead scientific research to improve minority health and eliminate health disparities.

To accomplish this, NIMHD:

- Plans, reviews, coordinates, and evaluates all minority health and health disparities research and activities of the National Institutes of Health
- Conducts and supports research in minority health and health disparities
- Promotes and supports the training of a diverse research workforce
- Translates and disseminates research information
- Fosters innovative collaborations and partnerships



# Health Disparity Populations

## Racial/Ethnic Minorities

- African Americans/Blacks, Hispanics/Latinos, American Indians/Alaska Natives, Asians, Native Hawaiians and Other Pacific Islanders

## Socioeconomically Disadvantaged Populations

## Underserved Rural Populations

## Sexual and Gender Minorities



# NIMHD Research Framework

<b>NIMHD Minority Health and Health Disparities Research Framework</b> <b>Health Disparity Populations: Race/Ethnicity, Low SES, Rural, Sexual/Gender Minority</b> <b>Other Fundamental Characteristics: Sex/Gender, Disability, Geographic Region</b>				
Domains of Influence	Levels of Influence			
	Individual	Interpersonal	Community	Societal
Biological	Biological Vulnerability and Mechanisms	Caregiver-Child Interaction Family Microbiome	Community Illness Exposure Herd Immunity	Sanitation Immunization Pathogen Exposure
Behavioral	Health Behaviors Coping Strategies	Family Functioning School/Work Functioning	Community Functioning	Policies and Laws
Physical/Built Environment	Personal Environment	Household Environment School/Work Environment	Community Environment Community Resources	Societal Structure
Sociocultural Environment	Sociodemographics Limited English Cultural Identity Response to Discrimination	Social Networks Family/Peer Norms Interpersonal Discrimination	Community Norms Local Structural Discrimination	Societal Norms Societal Structural Discrimination
Healthcare System	Insurance Coverage Health Literacy Treatment Preferences	Patient-Clinician Relationship Medical Decision-Making	Availability of Health Services Safety Net Services	Quality of Care HealthCare Policies
Health Outcomes	Individual Health	Family/Organizational Health	Community Health	Population Health



<https://www.nimhd.nih.gov/about/overview/research-framework.html>



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# NIMHD Active Funding

[https://nimhd.nih.gov/funding/nimhd-funding/active\\_foa.html](https://nimhd.nih.gov/funding/nimhd-funding/active_foa.html)

## Active NIMHD Funding Opportunities

**NIH Parent Program Announcements (PAs)** - NIMHD participates in many but not all NIH parent PAs

**NIH Application Guide**

**Application Standard Due Dates**

**Other/Targeted Program Announcements (PAs/PARs)**

### Expired Funding Opportunities

(Click on table headers to sort table information)

Other/Targeted Program Announcements (PA/PAR)	Activity Code	NIH Guide Number	Released	Expires	Contact
Electronic Nicotine Delivery Systems (ENDS): Population, Clinical and Applied Prevention Research (R21 - Clinical Trial Optional)	R21	<a href="#">PAR-18-848</a>	06-29-18	06-28-20	<a href="#">Dr. Priscah Mujuru</a>
Electronic Nicotine Delivery Systems (ENDS): Population, Clinical and Applied Prevention Research (R01 - Clinical Trial Optional)	R01	<a href="#">PAR-18-847</a>	06-29-18	06-28-20	<a href="#">Dr. Priscah Mujuru</a>
Addressing the Challenges of the Opioid Epidemic in Minority Health and Health Disparities Research in the U.S. (R01 Clinical Trial Optional)	R01	<a href="#">PAR-18-747</a>	04-10-18	11-14-20	<a href="#">Dr. Andrew Loudon</a> <a href="#">Dr. Benyam Hailu</a>
Addressing the Challenges of the Opioid Epidemic in Minority Health and Health Disparities Research in the U.S. (R21 Clinical Trial Optional)	R21	<a href="#">PAR-18-745</a>	04-10-18	11-14-20	<a href="#">Dr. Andrew Loudon</a> <a href="#">Dr. Benyam Hailu</a>
Research on the Health of Transgender and Gender Nonconforming Populations (R01 Clinical Trial Optional)	R01	<a href="#">PA-18-729</a>	03-28-18	01-08-21	<a href="#">Dr. Jennifer Alvidrez</a>
Research on the Health of Transgender and Gender					



# Fellowships/Training

<u>Number</u>	<u>Activity Code(s)</u>	<u>Title</u>	<u>Expiration Date</u>
<a href="#"><u>PA-18-671</u></a>	F31	Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship	01-08-2021
<a href="#"><u>PA-18-666</u></a>	F31	NRSA Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research	01-08-2021
<a href="#"><u>PA-18-673</u></a> <a href="#"><u>PA-16-306</u></a>	F30	NRSA Fellowship for Students at Institutions With/Without NIH-Funded Institutional Predoctoral Dual-Degree Training Programs	01-08-2021
<a href="#"><u>PA-18-670</u></a>	F32	NRSA Individual Postdoctoral Fellowship	01-08-2021



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# Fellowships/Training

<u>Number</u>	<u>Activity Code(s)</u>	<u>Title</u>	<u>Expiration Date</u>
<a href="#"><u>PAR-18-349</u></a> <a href="#"><u>PAR-17-486</u></a>	K18	Short-term Mentored Career Enhancement Awards for Mid-Career Investigators to Integrate Basic Behavioral and Social Sciences	03-07-2019
<a href="#"><u>PA-18-397</u></a> <a href="#"><u>PA-18-398</u></a>	K99/R00	NIH Pathway to Independence Award	01-08-2021
<a href="#"><u>PA-18-369</u></a> <a href="#"><u>PA-18-363</u></a>	K01	Mentored Research Scientist Development Award	01-08-2021
<a href="#"><u>PA-18-373</u></a>	K08	Mentored Clinical Scientist Research Career Development Award	01-08-2021
<a href="#"><u>PA-18-374</u></a> <a href="#"><u>PA-18-375</u></a>	K23	Mentored Patient-Oriented Research Career Development Award	01-08-2021



National Institute  
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# NIMHD Loan Repayment Program

**NOT-OD-17-081**

NIH  
funded  
research  
career

- **L32:** Health professionals from disadvantaged backgrounds
- **L60:** Research focus on minority health disparities or other health disparity issues

**NOT-OD-17-080**

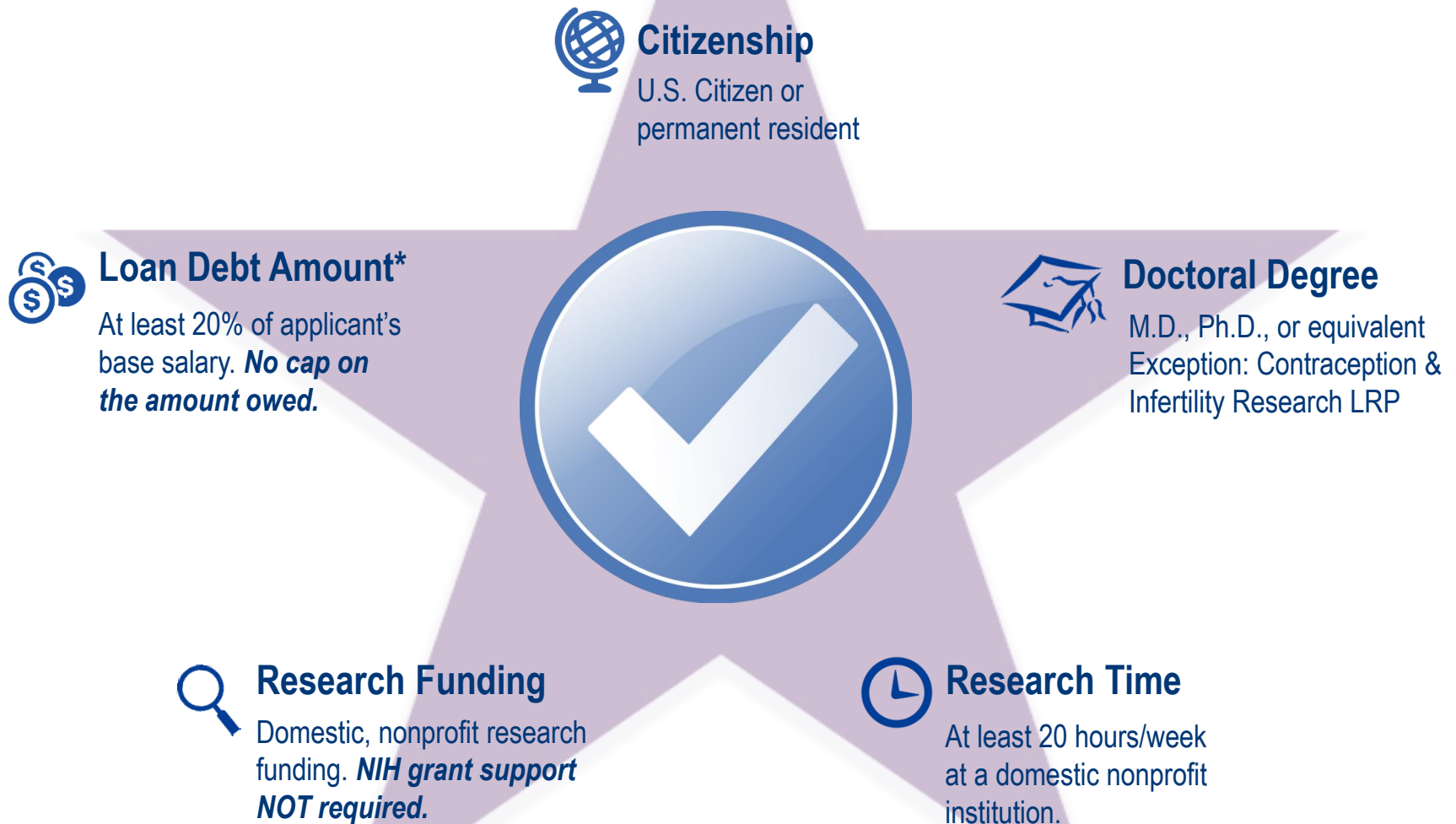


OVERALL PURPOSE:  
recruit and retain health  
professionals as  
research investigators  
to careers in research





# Basic Extramural LRP Eligibility Criteria



\*For first time applicants; not applicable for renewal applicants.

# Contacts

---

## **Program Officers**

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Maryline Laude-Sharp, PhD  
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***Division of Loan Repayment (DLR) Helpdesk***

[LRP@nih.gov](mailto:LRP@nih.gov)

866-849-4047



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# Bioethics FOAs

PA-17-444, 445, 446 (R01, R21, R03) Ethical, legal, and social implications (ELSI) of genomic research. Expires September 8, 2020

[NOT-LM-17-001](#) Notice of Interest in High Priority Research in Bioethical, Legal, and Societal Implications of Biomedical Research

Brian Initiative, Fogarty International Center



# Connecting Research Idea to Support



**NIH** National Institute  
on Minority Health  
and Health Disparities

# NIH Resources

- NIH's 27 Institutes/Centers have specific research mandates
- Office of Extramural Research Website
  - Funding Opportunity Announcements (FOA) and Parent Announcements (PA)
  - Types of Grants
  - Information on NIH Grant Process
- Center for Scientific Review
  - Assisted Referral Tool
- NIH Reporter as Search Tool
  - Similar Research
  - IC & Program Officer
  - FOA & Study Section
- Program Officer(s)



# NIH Office of Extramural Research

## <https://grants.nih.gov/grants/oer.htm>



### Grants & Funding

NIH's Central Resource for Grants and Funding Information

[eRA](#) | [NIH Staff](#) | [Glossary & Acronyms](#) | [FAQs](#) | [Help](#)

HOME

ABOUT GRANTS

FUNDING

POLICY & COMPLIANCE

NEWS & EVENTS

ABOUT OER




Doing human subjects research?  
New NIH policies impact you.

Learn More



- Find Funding
- How to Apply
- Explore NIH Funded Research (RePORT)




### About Grants

Navigate the NIH grants process from finding a funding opportunity to monitoring your award.

- Grants Process Overview
- Get Started
- How to Apply
- Application Referral and Review
- Pre-Award and Post-Award Processes
- Forms Library

LEARN MORE >>




### Policy and Compliance

Learn about the policy and compliance obligations of your grant award and find helpful resources on select policy topics.

- NIH Grants Policy Statement
- Notices of Policy Changes
- Compliance and Oversight
- Select Policy Topics

LEARN MORE >>



### Information for...

Find key resources just for you.

- Researchers
- Research Administrators
- Reviewers
- Small Businesses
- Foreign Applicants
- Media and the Public
- NIH Staff

LEARN MORE >>

# Search for FOAs

<https://grants.nih.gov/funding/index.htm>

## Funding

NIH offers funding for many types of grants, contracts, and even programs that help repay loans for researchers. Learn about these programs, as well as about NIH's budget process, grant funding strategies, and policies, and more.



## Grants (NIH Guide to Grants and Contracts)

The NIH Guide for Grants and Contracts is our official publication for NIH grant policies, guidelines and funding opportunities. We publish daily, and issue a table of contents weekly. [Learn more](#) about the NIH Guide and [subscribe today!](#)

### [View all Parent Announcements](#)

(for unsolicited applications)

Search for funding opportunities and notices


# Funding Opportunity Announcements (FOAs)

- Unsolicited (Investigator Initiated)
  - Parent Announcements (PA)- standard receipt dates, 3X a year
- Solicited (NIH identified priority area)
  - PAs-Program Announcement
  - PARs- with special receipt, referral and/or review considerations
  - PAS-with set-aside funds
  - RFAs-specific scientific area, set aside funds, special review
  - Notices- use Parent Announcements





# Center for Scientific Review- Assisted Referral Tool (ART) <https://art.csr.nih.gov/ART/selection.jsp>

 Center for Scientific Review

Assisted Referral Tool (ART)

[Help](#) | [Disclaimer](#)

[ART Home](#) >> [SRG](#) >> [Report](#)

Enter application text and hit the Submit button to get a list of relevant study sections. Entering the Specific Aims is highly recommended. ☐ Animal Usage?

Title

research mistrust, perceived participation personal and group benefits, and the fair versus coercive influence of monetary and medical incentives on research participation among young black men who have sex with men.

Terms will be weighted by frequency of appearance in the text above. The process is automated and confidential. ART does not track or store submitted text. Characters left: 19781

Relevance	SRG	IRG	Membership	Name
Strong	SSPA	PSE	Roster	Social Sciences and Population Studies A Study Section
Strong	SSPB	PSE	Roster	Social Sciences and Population Studies B Study Section
Strong	CIHB	HDM	Roster	Community Influences on Health Behavior Study Section
Strong	HSOD	HDM	Roster	Health Services Organization and Delivery Study Section
Possible	SPIP	RPHB	Roster	Social Psychology, Personality and Interpersonal Processes Study Section
Possible	BSCH	AARR	Roster	Behavioral and Social Consequences of HIV/AIDS Study Section
Possible	HDEP	HDM	Roster	Health Disparities and Equity Promotion Study Section
Possible	BCHI	HDM	Roster	Biomedical Computing and Health Informatics Study Section
Possible	PDRP	RPHB	Roster	Psychosocial Development, Risk and Prevention Study Section



# RePORT Home Page

<https://RePORT.nih.gov>

**Research Portfolio Online Reporting Tools  
(RePORT)**

Search

HOME | ABOUT RePORT | FAQs | GLOSSARY | CONTACT US

QUICK LINKS

**RePORTER**  
The Report Expenditures and Results tool allows users to search a repository of NIH-funded research projects.

**Funding Facts**  
Quick access to statistics from the NIH Data Book and annual reports produced by the NIH OER's Division of Information Services.

**Success Rates**  
Computed on a FY basis, success rates are defined by the percentage of applications funded and the total number of applications reviewed.

**Awards by Location**  
Consolidates all information about NIH-supported extramural organizations in a single tool.

**NIH Data Book**  
Provides basic summary statistics on extramural grants and contract awards.

**Report Catalog**  
The Report Catalog is a menu driven interface geared for the NIH familiar user to provide customized reporting.

[VIEW ALL](#)

**Awards by Location**  
Consolidates all information about NIH-supported extramural organizations in a single tool.



RePORTER

**AWARDS BY LOCATION**  
[CLICK TO VIEW](#)

NIH DATA BOOK

FUNDING FACTS

CATEGORICAL SPENDING

REPORT CATALOG

SPECIAL REPORTS

ABOUT REPORT

## Research Portfolio Online Reporting Tools (RePORT)

In addition to carrying out its scientific mission, the NIH exemplifies and promotes the highest level of public accountability. To that end, the Research Portfolio Online Reporting Tools provides access to reports, data, and analyses of NIH research activities, including information on NIH expenditures and the results of NIH supported research.

**NIH  
RePORTER**

[ADVANCED SEARCH](#)

Institute/Center:  

ALL

NCI

NEI

NIH

Fiscal Year:  

ACTIVE

2017

2016

2015

Principal Investigator:  
(Last Name, First Name)  
  
Organization:

[QUERY](#)[BROWSE NIH](#)[MATCHMAKER](#)[SEARCH PUBLICATIONS](#)

v1.14

Fiscal Year (FY):

## RESEARCHER AND ORGANIZATION

Principal Investigator (PI) /  
Project Leader:

(Last Name, First Name)

Use '%' for wildcard in PI names

[Enter several PI/Project Leader names OR PI Profile IDs](#)

City:

Use '%' for wildcard

State:

[SELECT](#)

Organization:

[LOOKUP](#)

Please enter at least 3 characters to use Lookup

Country:

[SELECT](#)

## TEXT SEARCH

Text Search (Logic):

Search in:

☒ Projects

Limit Project search to

☐ Project Title

Limit Publication search to

Start Year: 2016

## PROJECT DETAILS

Project Number/  
Application ID:Format: 5R01CA012345-04/  
8515397

Use '%' for wildcard in project number, e.g. %R21%

[Enter multiple project numbers/application IDs](#)

OR

1 R01 CA 811099 01 A1S1

Agency/Institute/Center:

☒ Admin ☐ Funding[SELECT](#)

NIH Spending Category:

[SELECT](#)

Funding Mechanism:

[SELECT](#)

Award Type:

[SELECT](#)

Program Officer (PO):

## ADDITIONAL FILTERS

NIH (non) ARRA Selection:

[SELECT](#)

Award Size:

&gt;

Only for NIH, CDC, FDA, and ACF

Newly Added Projects Only:

Projects added since

10/07/2017

Exclude Subprojects:

Multi-PI Only:

ClinicalTrials.gov ID:

Format: NCT00000419

5 entry maximum separated by commas.



QUERY BROWSE NIH MATCHMAKER SEARCH PUBLICATIONS BETA

SUBMIT QUERY CLEAR QUERY

Fiscal Year (FY): 2018 Active Projects SELECT

Current FY is 2018

RESEARCHER AND ORGANIZATION

Principal Investigator (PI) / Project Leader: (Last Name, First Name) Use '%' for wildcard in PI names Enter several PI/Project Leader names OR PI Profile IDs

City: Use '%' for wildcard

State: SELECT

Country: SELECT

Organization: LOOKUP Please enter at least 3 characters to use Lookup Contains Begins with Exact

Department Type: SELECT

Organization Type: SELECT

Congressional District: SELECT

DUNS Number: SELECT

TEXT SEARCH

Text Search (Logic): And Or Advanced

translational research infrastructure health disparities

Search in: Projects Publications News

Limit Project search to: Project Title Project Terms Project Abstracts

Limit Publication search to: Start Year 2016 End Year 2017

Character

Application ID: Format: SR01CA012345-04/ 8515397 Use '%' for wildcard in project number, e.g. '%4515397' Enter multiple project numbers/application IDs

OR

1 R01 CA 811099 0

Program Officer (PO): (Last Name, First Name) Use '%' for wildcard Enter several Program Officer (PO) names

Project Start Date: >= Format: mm/dd/yyyy

Project End Date: <= Format: mm/dd/yyyy

Award Notice Date: > Format: mm/dd/yyyy

ADDITIONAL FILTERS

NIH (non) ARRA Selection: SELECT

Award Size: > Only for NIH, CDC, FDA, and ACF

ClinicalTrials.gov ID: Format: NCT00000419 5 entry maximum separated by commas.

Agency/Institute/Center: CLOSE

Admin Funding

- (NIDCD)
- Nat'l Inst on Drug Abuse (NIDA)
- ☒ Nat'l Inst on Minority Health and Health Disparities (NIMHD)
- Nat'l Library of Medicine (NLM)
- NIH Center for Information Technology (CIT)
- NIH Center for Scientific Review (CSR)
- NIH Clinical Center (CC)
- NIH Office of the Director (OD)
- Administration for Children and Families (ACF)
- Agency for Healthcare Research and Quality (AHRQ)
- ☒ All Centers for Disease Control and Prevention (All CDC)
- Health Resources and Services Administration (HRSA)
- U.S. Food and Drug Administration (FDA)
- Veterans Affairs (VA)

SELECT RESET CLEAR

October 31, 2017 20





## Search Results

[Back to Query Form](#) [Save Query](#) [Share Query](#)

**Export** All Projects [GO](#)

PROJECTS ?
PUBLICATIONS
PATENTS
CLINICAL STUDIES
DATA & VISUALIZE
MAP
NEWS & MORE

There were 99 results matching your search criteria. Records per page: 25 Show/Hide Search Criteria

Click on the column header to sort the results 1 2 3 4 Page 1 of 4 [Next](#) [Last](#)

T: Application Type; Act: Activity Code; Project: Admin IC; Serial No.; Year: Support Year/Supplement/Amendment

	T	Act	Project	Year	Sub #	Project Title	Contact PI/ Project Leader	Organization	FY	Admin IC	Funding IC	FY Total Cost by IC	Similar Projects
<input type="checkbox"/>	5	U54	MD007593	09	7166	ADMIN	3G12MD007599-30S2						
<input type="checkbox"/>	5	U54	MD007593	09	7167	COLLA							
<input type="checkbox"/>	5	U54	MD007593	09	7170	RECRU							
<input type="checkbox"/>	5	U54	MD007593	09	7173	CLINIC RESEA							
<input type="checkbox"/>	5	U54	MD007593	09	7174	COMM CORE							
<input type="checkbox"/>	5	U54	MD007593	09	7177	CLINIC PILOT							
<input type="checkbox"/>	5	U54	MD007593	09		MEHAR TRANS CENTE							
<input type="checkbox"/>	5	U54	MD007598	09	6461	EVALU							
<input type="checkbox"/>	3	G12	MD007599	30S2		BASIC RESEA HEALT							
<input type="checkbox"/>	3	G12	MD007599	30S1		BASIC RESEA HEALT							
<input type="checkbox"/>	5	G12	MD007599	30		BASIC AND TRANSLATIONAL RESEARCH CENTER FOR REDUCING	ANGULO, JESUS A	HUNTER COLLEGE	2015	NIMHD	NIMHD	\$3,127,135	

### Project Information

[Back to Query Form](#) [Back to Search Results](#) [Print Version](#)

[PREVIOUS](#) Project 9 of 99 [NEXT](#)

DESCRIPTION
DETAILS
RESULTS
HISTORY
SUBPROJECTS
SIMILAR PROJECTS
NEARBY PROJECTS BETA
LINKS
NEWS AND MORE

Project Number: 3G12MD007599-30S2  
 Title: BASIC AND TRANSLATIONAL RESEARCH CENTER FOR REDUCING HEALTH DISPARITIES  
 Contact PI / Project Leader: ANGULO, JESUS A  
 Awardee Organization: HUNTER COLLEGE

**Abstract Text:**

The Center for the Study of Gene Structure and Function (Gene Center) of Hunter College of the City University of New York is now comprised of a cadre of 19 biomedical **Researchers** with the common goal of increasing the translational/clinical potential of their **research** projects to help reduce **health disparities**. The long-term goal of the Gene Center is to enhance infrastructure to support basic and translational/clinical **research** and so to reduce minority **health disparities**. Our goals are to: 1) enable investigator\* to become more successful in obtaining extramural support in biomedical/behavioral **research**, particularly on diseases that disproportionately impact minority populations; 2) foster professional development in the biomedical sciences especially in the areas of Cancer, Neuro/Behavior and Disease Prevention. Our specific aims are: 1) To build translational/clinical capacity in the areas of Cancer and Neuro/Behavior; 2) To build on our existing collaboration with the CTSC; 3) To continue to develop interactive **telehealth** e-platforms of disease prevention; 4) To increase R-type funding in the areas of Cancer and Neuro/Behavior. We propose to build on the demonstrated accomplishments of our **Investigators** in order to move their projects to translational/clinical status in collaboration with the Weill Cornell Medical College Clinical and Translational Science Center and the RCMC translational **research** Network. Our Cancer **research** focuses on prostate and breast cancers and involve, 1) innovation in treatment, and 2) detection and therapeutics. Neuro/Behavior focuses on, 1) addiction and neuroprotection; and 2) diagnosis of stress disorders. A new and novel area developed collaboratively with the CTSC involves Disease Prevention using **telehealth** eplatforms to serve the underserved. To accomplish our objectives, we propose to fund six pilot projects, hire three new faculty in the areas of Cancer and/or Neuro/Behavior, maintain/strengthen our biomedical **research infrastructure**, and provide additional targeted professional development activities. We are implementing an evaluation program with clearly defined milestones and metrics that will allow us to assess our progress and correct problems that might arise at all stages of the five-year cycle.

**Public Health Relevance Statement:**

Our goal is to enhance our capacity to conduct targeted **research** on Cancer and Mental **health** through collaborations with our clinical partners. **telehealth** strategies will facilitate serving underserved populations. Our **research** addresses diseases that disproportionately afflict minority populations, and success should reduce **health disparities**.

**Project Terms:**

addiction; Address; Animal Model; anticancer **research**; Area; Award; **Basic Science**; Behavior; Behavioral **research**; Biomedical **research**; Center for translational Science Activities; Cities; Clinical; clinical application; Clinical **research**; Collaborations; college; Communities; Complement; contagion; design; Detection; Development; Diagnosis; Disease; disorder prevention; Drug abuse; Drug Addiction; Early Diagnosis; Effectiveness; Ethnic group; evidence base; Extramural Activities; Faculty; Fostering; Funding; gene function; Gene Structure; Genes; Goals; Grant; **health**; **health** disparity; Human; improved; innovation; interdisciplinary collaboration; Knowledge; Link; malignant breast neoplasm; Malignant neoplasm of prostate; Malignant Neoplasms; medical schools; member; Mental **health**; Mentors; Methodology; Minority; Minority Groups; minority **health**; molecular marker; neuroprotection; New York; novel; outreach program; Participant; Pilot Projects; Population; Post-Traumatic Stress Disorders. **Postdoctoral Fellow**; prevent; Productivity; Program Evaluation; programs; Recruitment Activity; **research**; **research infrastructure**; **research** Personnel; **research** Project Grants; **Resources**; role model; sabbatical; Science; Screening for Prostate Cancer; Seeds; Site; Speed, stress disorder, success; Targeted **research**; **telehealth**; tenure track; Testing; Therapeutic; translational **research**; Underrepresented Minority; Underserved Population; Universities; Update; Videoconferencing

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## Search Results

ABOUT RePORTER RESULTS

[Back to Query Form](#) [Save Query](#)

[PubMed](#) [PubMed Central](#) [Google Scholar](#)

PROJECTS PUBLICATIONS PATENTS

There were 3290 publications supported by 34

Click on the column header to sort the results

Core Project Number Title (Link to full-text in

G12MD007599 Functional association between active phospholipase D complex

[Other supporting projects](#)

G12MD007602 Chlamydial infection in inducible synapse knockout mice

[Other supporting projects](#)

G12MD007602 Ultrastructure, immunofluorescence, and PCR analysis of *Encephalitozoon (Septata)* established in culture from samples and duodenal aspirates with AIDS

G12MD007599 Cell wall architecture in yeast: new challenges

[Other supporting projects](#)

G12MD007602 Route of infection that induces gamma interferon-secreting tract produces optimal protection against *Chlamydia trachomatis* infection

[Other supporting projects](#)

G12MD007602 A peptide domain on qinghai immunity against Porphyromonas infection in mice

[Other supporting projects](#)

NCBI Resources How To

PubMed.gov US National Library of Medicine National Institutes of Health

PubMed Advanced

Format: Abstract Send to

Proc Natl Acad Sci U S A. 1998 Mar 31;95(7):3632-7.

**Functional association between Arf and Ra1A in active phospholipase D complex.**

Luo JQ<sup>1</sup>, Liu X, Frankel P, Rotunda T, Ramos M, Flom J, Jiang H, Feig LA, Morris AJ, Kahn RA, Foster DA.

**Author information**

**Abstract**

Activation of phospholipase D1 (PLD1) by Arf has been implicated in vesicle transport and membrane trafficking. PLD1 has also been shown to be associated with the small GTPase Ra1A, which functions downstream from Ras in a Ras-Ra1A GTPase cascade that facilitates intracellular signal transduction. Although PLD1 associates directly with Ra1A, Ra1A has no effect upon the activity of PLD1. However, PLD1 precipitated from cell lysates with immobilized glutathione S-transferase-Ra1A fusion protein is active. This suggests the presence of an additional activating factor in the active Ra1A-PLD1 complexes. Because Arf stimulates PLD1, we looked for the presence of Arf in the active Ra1A-PLD1 complexes isolated from v-Src- and v-Ras-transformed cell lysates. Low levels of Arf protein were detected in Ra1A-PLD1 complexes; however, if guanosine 5'-[gamma-thio]triphosphate was added to activate Arf and stimulate translocation to the membrane, high levels of Arf were precipitated by Ra1A from cell lysates. Interestingly, deletion of 11 amino-terminal amino acids unique to Ra1 GTPases, which abolished the ability of Ra1A to precipitate PLD activity, prevented the association between Ra1A and Arf. Brefeldin A, which inhibits Arf GDP-GTP exchange, inhibited PLD activity in v-Src- and v-Ras-transformed cells but not in the nontransformed cells, suggesting that the association of Arf with Ra1A is required for the increased PLD activity induced by v-Src and v-Ras. These data implicate Arf in the transduction of intracellular signals activated by v-Src and mediated by the Ras-Ra1A GTPase cascade. Because both Arf and PLD1 stimulate vesicle formation in the Golgi, these data raise the possibility that vesicle formation and trafficking may play a role in the transduction of intracellular signals.

PMID: 9520417 PMCID: PMC19887

[Indexed for MEDLINE] [Free PMC Article](#)

[f](#) [t](#) [v](#)

**Images from this publication. See all images (5) Free text**

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# RePORter Match



PROJECTS PROGRAM OFFICIAL

208 Program Official(s) from the matched projects. (500 projects maximum).

**Matching Text:** medical trust and biospecimen consent and minorities

Exclude Subprojects: ☐

Fiscal Year (FY):

Active Projects

SELECT

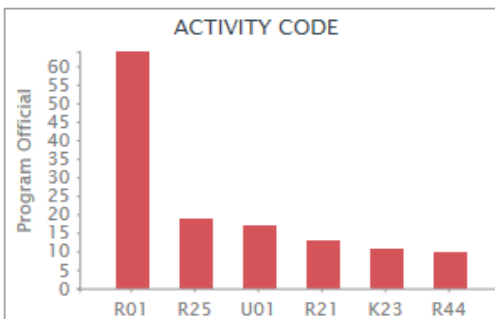
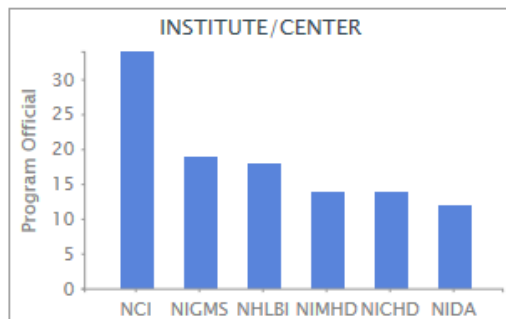
Current FY is 2018

Similarity search available for FY 2007 and later years.

RESET

SUBMIT

Click on chart labels to filter search results by the Institute/Center or Activity Code



Click on the column header to sort the results

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Program Official	IC	Contact Information	Projects
<a href="#">MAAS, STEFAN</a>	NIGMS	<a href="#">Click to view PO email address</a>	25
<a href="#">GINDHART, JOSEPH G</a>	NIGMS	<a href="#">Click to view PO email address</a>	22
<a href="#">ALVIDREZ, JENNIFER L</a>	NIMHD	<a href="#">Click to view PO email address</a>	7
<a href="#">BERZON, RICHARD</a>	NIMHD	<a href="#">Click to view PO email address</a>	7
<a href="#">FREEMAN, ROBERT</a>	NIAAA	<a href="#">Click to view PO email address</a>	5
<a href="#">KODURI, SAILAJA</a>	NIGMS	<a href="#">Click to view PO email address</a>	5
<a href="#">ONKEN, LISA</a>	NIA	<a href="#">Click to view PO email address</a>	5
<a href="#">WALI, ANIL</a>	NCI	<a href="#">Click to view PO email address</a>	5

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INTERACTIVE MULTIMEDIA  
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ALLEN, DAVID  
WASHINGTON et al.

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## Project Information?

3R01AI114617-04S1

[Back to Query Form](#)[Back to Search Results](#)[Print Version](#)

PI PROFILE LINKS

MORE INFO



DESCRIPTION DETAILS RESULTS HISTORY SUBPROJECTS SIMILAR PROJECTS NEARBY PROJECTS BETA LINKS NEWS AND MORE

Project Number: 3R01AI114617-04S1

Title: HIV CURE STUDIES: RISK, RISK PERCEPTION, AND ETHICS

Contact PI / Project Leader: EYAL, NIR

Awardee Organization: HARVARD SCHOOL OF PUBLIC HEALTH

Contact PI / Project Leader Information: ⚠

Program Official Information:

Other PI Information:

Profile Exists No Profile

Name: EYAL, NIR

Name: DAWSON, LIZA

Not Applicable

Email: [Click to view Contact PI / Project Leader email address](#)Email: [Click to view PO email address](#)

Title: ASSOCIATE PROFESSOR OF GLOBAL HEALTH

Organization:

Department Type/ Organization Type: ?

Congressional District:

Name: HARVARD SCHOOL OF PUBLIC HEALTH

City: BOSTON Country: UNITED STATES (US)

PUBLIC HEALTH &amp; PREV MEDICINE

SCHOOLS OF PUBLIC HEALTH

State Code: MA

District: 07

Other Information:

FOA: PAR-12-244

DUNS Number: 149617367

CFDA Code: 855

Study Section: [Special Emphasis Panel \[ZRG1-AARR-L \(56\)R\]](#) ?

Project Start Date: 3-AUG-2015

Project End Date: 31-JUL-2019

Fiscal Year: 2018 Award Notice Date: 7-FEB-2018

Budget Start Date: 7-FEB-2018

Budget End Date: 31-JUL-2018

Administering Institutes or Centers:

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES

Project Funding Information for 2018:

Total Funding: \$42,570

Direct Costs: \$42,570

Year	Funding IC	FY Total Cost by IC
2018	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	\$42,570



## Part 1. Overview Information

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<b>Posted Date</b>	July 24, 2012
<b>Open Date (Earliest Submission Date)</b>	November 7, 2012
<b>Letter of Intent Due Date</b>	Not Applicable.

# Positioning Your Interests for Success

- Attune to scientific priorities of NIH IC and scientific field
- Develop case for the importance and timeliness of your research idea
- Clearly articulate the scientific premise and how your research will advance the field
- Be understandable and persuasive broadly, not just for those with exact same scientific expertise
- Prioritize the most important aspect of your science for review
- Ask Advice
- Never give up

