

Seeking Grant Support from the National Institutes of Health

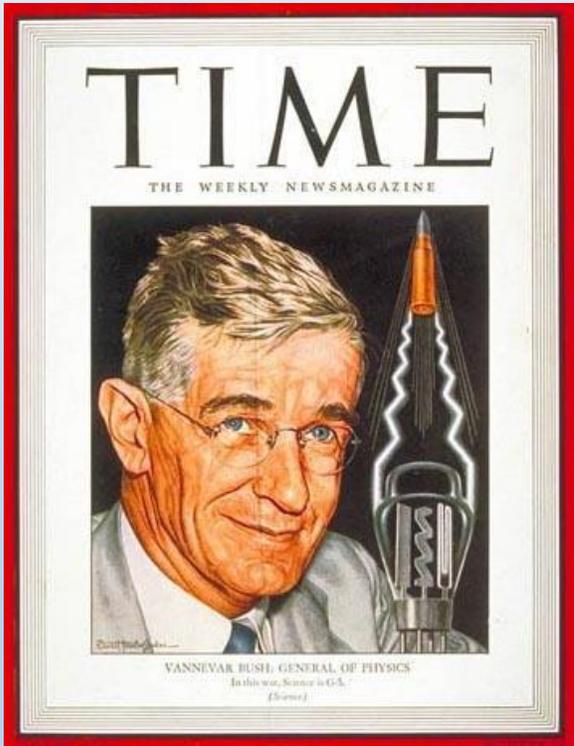
Biomedical, social and behavioral research and training.



March 2016

**Office of Research
and Sponsored Programs**
SUNY College at Old Westbury

On establishment of the NIH and NSF



Basic scientific research is scientific capital...

How do we increase this scientific capital? First, we must have plenty of men and women trained in science, for upon them depends both the creation of new knowledge and its application to practical purposes. Second, we must strengthen the centers of basic research which are principally the colleges, universities, and research institutes. These institutions provide the environment which is most conducive to the creation of new scientific knowledge...

It is only the colleges, universities, and a few research institutes that devote most of their research efforts to expanding the frontiers of knowledge...

The most important ways in which the Government can promote industrial research are to increase the flow of new scientific knowledge through support of basic research, and to aid in the development of scientific talent.

Vannevar Bush

Cover-letter, Report to the President

July 25, 1945

NIH Funding can be used for:

SALARIES *and associated Employee Benefits for PI, scientific staff, students*

EQUIPMENT *Don't be shy about asking! Science infrastructure is built on individual research projects. (Equipment = \$5,000 or greater per unit).*

TRAVEL *to professional meetings, research sites, etc.*

MATERIALS/SUPPLIES

CONSULTANTS *-- but NOT Departmental colleagues!*

SUBCONTRACTS / SUBGRANTS

TECHNICAL SERVICES

and more...

Sample AREA Costs

\$82,000	PI's annual salary =	\$8,200	monthly
		\$16,400	= 2 mo summer salary
		\$2,460	associated employee benefits @ 15%
		\$18,860	

\$15/hr	Student salaries	\$3,510	= 9 hrs per week x 26 weeks
		\$2,400	= 20 hr per week during summer x 8 weeks
		\$296	associated employee benefits @ 5%
		\$6,206	
		\$25,066	1.5 students = approx \$30,000

leaving another \$70,000 - \$75,000 per year for three years for Other Than Personnel Costs (OTP)

Preparing an NIH Grant Application

Requires some familiarity with

SF 424 forms

PHS 398 procedures

PHS Policy Manual

Online tools (Grants.gov & eRA-Commons)

FOA (PA, RFA)

NIH-specific review process

Use/consult with ORSP

Electronic Proposal Submission

Requires use of 2 online tools when submitting to the NIH

Commons Login

*Required field(s)

*Username

*Password

Login

Reset

(For External Users Only)

(For External Users)

Welcome to the Commons

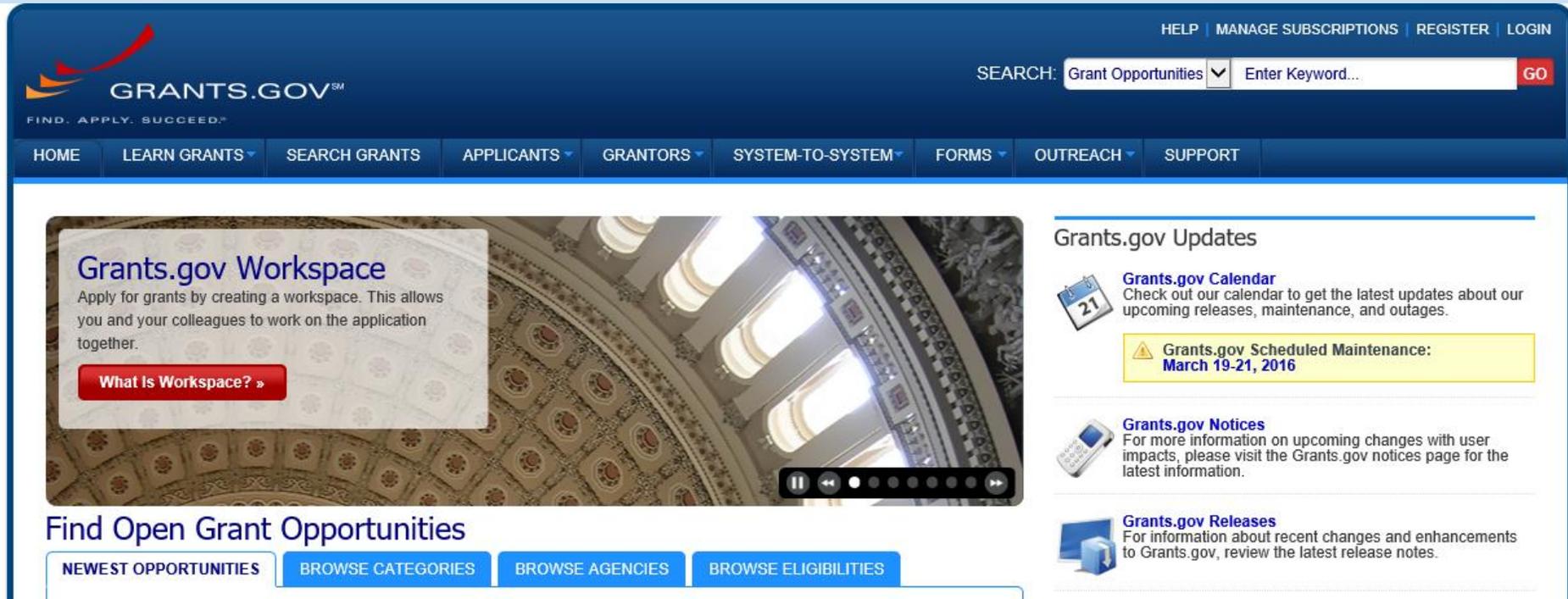
System Notification Message

All systems are currently available.

Scheduled Commons Maintenance: For maintenance information, see the [eRA Scheduled Maintenance Calendar](#).

Support Related Resources

- **Electronic Submission:** Learn about the most frequent application errors at [Avoiding Common Errors](#).
- **Electronic Application Submission:** To learn about completing and submitting an electronic grant application and access helpful resources, visit the [Applying Electronically website](#).



Grants.gov homepage featuring a navigation menu, search bar, and various informational sections.

Navigation: HOME | LEARN GRANTS | SEARCH GRANTS | APPLICANTS | GRANTORS | SYSTEM-TO-SYSTEM | FORMS | OUTREACH | SUPPORT

SEARCH: Grant Opportunities | Enter Keyword... | GO

Grants.gov Updates

-  **Grants.gov Calendar**
Check out our calendar to get the latest updates about our upcoming releases, maintenance, and outages.
-  **Grants.gov Scheduled Maintenance: March 19-21, 2016**
-  **Grants.gov Notices**
For more information on upcoming changes with user impacts, please visit the Grants.gov notices page for the latest information.
-  **Grants.gov Releases**
For information about recent changes and enhancements to Grants.gov, review the latest release notes.

Grants.gov Workspace
Apply for grants by creating a workspace. This allows you and your colleagues to work on the application together.
[What Is Workspace? »](#)

Find Open Grant Opportunities

NEWEST OPPORTUNITIES | BROWSE CATEGORIES | BROWSE AGENCIES | BROWSE ELIGIBILITIES

R01

Traditional Research Project Grants

Two possible geneses:

- **Funding Opportunity Announcement (FOA)**

NIH Guide for Grants & Contracts

- **Investigator-initiated proposal**

No specific program requirements, however, the proposed research plan must be related to the stated program interests of one or more of the Institutes based on published descriptions of their programs. Note: [Cover-letter](#).

Application due dates:

February 5

June 5

October 5

Investigator-initiated R01 Applications

R01

R01s are most often
investigator-initiated in response to:

- the R01 “Parent Announcement “
<http://grants.nih.gov/grants/guide/pa-files/PA-13-302.html>
- a Program Announcement highlighting particular scientific areas
- Requests for Applications (RFAs)

Investigator-initiated R01 Applications

R01

- no mandated cap on costs, however, applicants requesting \$500,000 or more in any one year must contact agency official in advance
- Up to five-years support may be requested
- R01s do not require cost sharing
- FOAs designed for R01s may inspire topics for AREA and SCORE apps

SEARCH GRANTS



[Search Tips](#) | [Export Results](#)

BASIC SEARCH CRITERIA:

Keyword(s):

Funding Opportunity Number:

CFDA:

OPPORTUNITY STATUS:

- Posted (165)
- Closed (35)
- Archived (2,444)

SORT BY: DATE RANGE:

1 - 25 OF 165 MATCHING RESULTS:

« Previous **1** 2 3 4 5 6 7 Next »

Funding Opportunity Number	Opportunity Title	Agency	Posted Date	Close Date
PA-16-019	Innovation Corps (I-Corps) at NIH Program for NIH and CDC Phase I Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Grantees (Admin Supp)	National Institutes of Health	10/28/2015	03/21/2016
PA-15-269	PHS 2015-02 Omnibus Solicitation of the NIH, CDC, FDA and ACF for Small Business Innovation Research Grant Applications (Parent SBIR [R43/R44])	National Institutes of Health	06/04/2015	04/05/2016
PA-14-077	Administrative Supplements to Existing NIH Grants and Cooperative Agreements	National	01/30/2014	01/30/2017
PA-13-304	NIH Small Research Grant Program (Parent R03)	National Institutes of Health	08/02/2013	09/07/2016
PA-13-303	NIH Exploratory/Developmental Research Grant Program (Parent R21)	National Institutes of Health	08/02/2013	09/07/2016
PA-16-006	NIH Director's Early Independence Awards (DEI)	National	02/09/2016	09/12/2016
PAR-16-078	Education and Health: New Frontiers (R21)	National Institutes of Health	01/12/2016	01/07/2019
PAR-16-079	Education and Health: New Frontiers (R03)	National Institutes of Health	01/12/2016	01/07/2019
PAR-16-080	Education and Health: New Frontiers (R01)	National Institutes of Health	01/12/2016	01/07/2019



Please fill out the following form.

Highlight Existing Fields



Grant Application Package

Print

Cancel

Opportunity Title:	Education and Health: New Frontiers (R21)
Offering Agency:	National Institutes of Health
CFDA Number:	
CFDA Description:	
Opportunity Number:	PAR-16-078
Competition ID:	FORMS-D
Opportunity Open Date:	05/16/2016
Opportunity Close Date:	01/07/2019
Agency Contact:	eRA Service Desk Monday to Friday 7 am to 8 pm ET http://grants.nih.gov/support/

This opportunity is only open to organizations, applicants who are submitting grant applications on behalf of a company, state, local or tribal government, academia, or other type of organization.

Application Filing Name:

<https://projectreporter.nih.gov/reporter.cfm>



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System Health: ■ GREEN



NIH RePORTER

Version: 7.8.0

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[FAQ](#)

[ExPORTER](#)

[RePORTER Manual](#)

[RSS of Newly Added Projects](#)



QUERY

BROWSE NIH

MATCHMAKER ^{BETA}

SUBMIT QUERY

CLEAR QUERY

Fiscal Year (FY):

Current FY is 2016

[SELECT](#)

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

Organization: [LOOKUP](#)

Please enter at least 3 characters to use Lookup.

Contains Begins with Exact

State: [SELECT](#)

Country: [SELECT](#)

Department: [SELECT](#)

Congressional District: [SELECT](#)

Organization Type: [SELECT](#)

DUNS Number:

Organization type: ?

SELECT

TEXT SEARCH

Text Search (Logic): ?

cell death

And

Or

Advanced

Search in ?

Projects

Publications

News

Limit Project search to

Project Title

Project Terms

Project Abstracts

Limit Publication search to

Start Year 2015

End Year 2016

PROJECT DETAILS

Project Number/

Agency/Institute/Center:

<input type="checkbox"/>	5 R01 CA173085 03	MECHANISMS LINKING RAS SIGNALS TO DISORDERED HEMATOPOIESIS AND MYELOID NEOPLASIA	BRAUN, BENJAMIN	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	2015	NCI	NCI	\$328,888
<input type="checkbox"/>	5 R21 CA175137 02	GUIDING CA2+ CHANNEL-BASED CANCER TREATMENT USING MN2+-ENHANCED MRI	BRAUN, RODNEY D	WAYNE STATE UNIVERSITY	2014	NCI	NCI	\$192,409
<input type="checkbox"/>	3 R21 AI110158 02S1	MODIFIED CMV-SPECIFIC T CELLS TO TARGET HIV	BRAUN, STEPHEN EDWARD	TULANE UNIVERSITY OF LOUISIANA	2016	NIAID	NIAID	\$86,572
<input type="checkbox"/>	5 R21 AI110158 02	MODIFIED CMV-SPECIFIC T CELLS TO TARGET HIV	BRAUN, STEPHEN EDWARD	TULANE UNIVERSITY OF LOUISIANA	2015	NIAID	NIAID	\$184,186
<input type="checkbox"/>	5 R01 HL116713 03	MICRORNA FUNCTION IN HUMAN MEGAKARYOCYTES	BRAY, PAUL F.	THOMAS JEFFERSON UNIVERSITY	2016	NHLBI	NHLBI	\$453,050

https://report.nih.gov/nihfactsheets/

YESTERDAY, TODAY & TOMORROW. **NIH Research Timelines**



?

For over 100 years, NIH has supported biomedical research to enhance health, lengthen life, and reduce the burdens of illness and disability. The Fact Sheets on this site tell the stories of research discovery, current treatment status, and future expectations for the prevention and treatment of diseases and conditions affecting the nation's health. Several of the Sheets also describe NIH policies and organizations in place to enhance public health safety and the public understanding of health science.

Search through the Fact Sheets and follow the interactive links for additional information on NIH-supported clinical studies, initiatives, and research endeavors currently underway. Each Sheet also contains links to the homepages of relevant NIH Institutes, Centers, or Offices.

SEARCH FACT SHEETS

Search by Keyword: **GO**

VIEW ALL FACT SHEETS

Search Fact Sheets Alphabetically:

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

- [Cystic Fibrosis](#)
- D**
- [Diabetes, Type 1](#)
- [Diabetes, Type 2](#)
- [Diabetic Retinopathy](#)
- [Disability in Older Adults](#)
- [Drug Abuse and Addiction](#)
- [Dystonia](#)
- E**

R15

Academic Research Enhancement Awards (AREA)

Goals of the Program

- Support meritorious research
- Expose students to research
- Strengthen the research environment of the institution

Key Features

- Project period is limited to 3 years.
- Direct costs are limited to \$300,000 over the entire project period.
- Grants are renewable.
- Preliminary data are not required.

**Application due
dates:**

February 25

June 25

October 25

R15

continued.

Academic Research Enhancement Awards Program Announcement: PA-13-313

Institutional Eligibility

- Only domestic institutions of higher education.
- Must offer baccalaureate or advanced degrees in the health-related sciences.
- Receives less than \$6 million per year from NIH.

Principal Investigator Eligibility

- PI must have a primary faculty appointment at an AREA-eligible institution.
- PI may not be the PI of an active NIH research grant at the time of an AREA award.

Modular budgeting...just-in-time assurances...

***Reduced
administrative
burden***



Grants & Funding



Grants Process

Grants Process Overview

Planning Your Application

Writing Your Application

Submitting Your Application

Receipt and Referral

Peer Review Process

Award Management

Post Award Management

Types of Grant Programs

How to Apply

Peer Review Process

Award Management

Foreign Grants Information

NIH Financial Operations

NIH AREA Grant Research Objectives

Updated: 10/07/2011

AREA grants support small-scale research projects at educational institutions that provide baccalaureate or advanced degrees for a significant number of the Nation's research scientists, but that have not been major recipients of NIH support. The goals of the program are to (1) support meritorious research, (2) expose students to research, and (3) strengthen the research environment of the institution.

Listed below are the AREA program research topics of particular interest to each Institute/Center. The names of the contacts and their phone numbers and email addresses are available at http://grants.nih.gov/grants/guide/contacts/parent_R15.html. Applicants are encouraged to contact the person listed for the particular Institute(s) or Center(s) with research interests relevant to the applicant's proposed topic for additional scientific program information and for pre-application guidance.

National Institute on Aging (NIA or AG) <http://www.nia.nih.gov/>

The NIA is interested in, and has responsibilities for, aging research that includes fundamental studies of biological processes, including studies of aging at the molecular, genetic, organelle, cellular, organ, and organ system levels; the interaction of aging and diseases of aging; biomedical and psychosocial factors in maintaining health and effective functioning in the middle and later years, relevant social and behavioral relationships; and research that broadens the base of knowledge underlying adequate health services for the aging and the aged. The NIA is interested in normal physiological and biochemical changes with aging, involving areas such as immunology, coanition, neurobioloav, endocrinoloav, nutrition, and exercise physioloav, as well as clinical diseases and disorders

AREA Sponsors within NIH

- ➡ National Cancer Institute ([NCI](#))
- National Eye Institute ([NEI](#))
- National Heart, Lung, and Blood Institute ([NHLBI](#))
- National Human Genome Research Institute ([NHGRI](#))
- National Institute on Aging ([NIA](#))
- National Institute on Alcohol Abuse and Alcoholism ([NIAAA](#))
- National Institute of Allergy and Infectious Diseases ([NIAID](#))
- National Institute of Arthritis and Musculoskeletal and Skin Diseases ([NIAMS](#))
- National Institute of Biomedical Imaging and Bioengineering ([NIBIB](#))
- ➡ *Eunice Kennedy Shriver* National Institute of Child Health and Human Development ([NICHD](#))
- National Institute on Deafness and Other Communication Disorders ([NIDCD](#))
- National Institute of Dental and Craniofacial Research ([NIDCR](#))
- National Institute of Diabetes and Digestive and Kidney Diseases ([NIDDK](#))
- ➡ National Institute on Drug Abuse ([NIDA](#))
- ➡ National Institute of Environmental Health Sciences ([NIEHS](#))
- ➡ National Institute of General Medical Sciences ([NIGMS](#))
- ➡ National Institute of Mental Health ([NIMH](#))
- National Institute of Neurological Disorders and Stroke ([NINDS](#))
- National Institute of Nursing Research ([NINR](#))
- ➡ National Institute on Minority Health and Health Disparities ([NIMHD](#))
- National Library of Medicine ([NLM](#))
- National Center for Complementary and Integrative Health ([NCCIH](#) formerly [NCCAM](#))
- Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs ([ORIP](#))

R03

Small Research Grants

Scope

- Pilot or feasibility studies
- Secondary analysis of existing data
- Small, self-contained research projects
- Development of research methodology or new research technology

Award Characteristics

- Up to two years, \$50,000 per year (Direct Costs).
- Cannot be renewed
- Preliminary data not required.
- Research Strategy may not exceed 6 pages

Application due dates:

February 16

June 16

October 16

“R03” Sponsors within NIH

National Human Genome Research Institute ([NHGRI](#))

National Institute on Aging ([NIA](#))

National Institute on Alcohol Abuse and Alcoholism ([NIAAA](#))

National Institute of Allergy and Infectious Diseases ([NIAID](#))

National Institute of Biomedical Imaging and Bioengineering
([NIBIB](#))

Eunice Kennedy Shriver National Institute of Child Health and
Human Development ([NICHD](#))

National Institute on Drug Abuse ([NIDA](#))

National Institute of Environmental Health Sciences ([NIEHS](#))

National Institute of Mental Health ([NIMH](#))

National Institute on Minority Health and Health Disparities
([NIMHD](#))

National Institute of Neurological Disorders and Stroke ([NINDS](#))

R21

Exploratory/Developmental Research Grant

Scope

- Exploratory, novel studies that break new ground or extend previous discoveries toward new directions.
- High risk high reward studies that may lead to a breakthrough

App/Award Characteristics

- Project period limited to 2 years, \$275,000 direct costs
- Grants are not renewable.
- Preliminary data are not required.
- Research Strategy may not exceed 6 pages

**Application due
dates:**

February 16

June 16

October 16

“R21” Sponsors within NIH

National Eye Institute ([NEI](#))

National Human Genome Research Institute
([NHGRI](#))

National Institute on Aging ([NIA](#))

National Institute on Alcohol Abuse and
Alcoholism ([NIAAA](#))

National Institute of Allergy and Infectious
Diseases ([NIAID](#))

National Institute of Arthritis and
Musculoskeletal and Skin Diseases ([NIAMS](#))

National Institute of Biomedical Imaging
and Bioengineering ([NIBIB](#))

Eunice Kennedy Shriver National Institute of
Child Health and Human Development
([NICHD](#))

National Institute on Deafness and Other
Communication Disorders ([NIDCD](#))

National Institute of Dental and Craniofacial
Research ([NIDCR](#))

National Institute on Drug Abuse ([NIDA](#))

National Institute of Environmental Health
Sciences ([NIEHS](#))

National Institute of Mental Health ([NIMH](#))

National Institute on Minority Health and
Health Disparities ([NIMHD](#))

National Institute of Neurological Disorders
and Stroke ([NINDS](#))

National Institute of Nursing Research
([NINR](#))

National Library of Medicine ([NLM](#))

National Center for Complementary and
Integrative Health ([NCCIH](#) formerly [NCCAM](#))

SCORE

The **Minority Biomedical Research Support (MBRS) Program** was created in 1972 under authority of sec. 301(c) of the PHS Act. It is comprised of **Support of Competitive Research (SCORE)** and two other initiatives [Research Initiative for Scientific Enhancement (RISE) and Initiative for Maximizing Student Development (IMSD)].

The SCORE Program is a developmental program designed to increase the research competitiveness of faculty and research base of institutions with a historical mission or demonstrated commitment to training students from backgrounds underrepresented in biomedical research.

One major difference, SCORE v AREA

Allowable Costs

- Costs essential to the conduct of the research project, such as salaries of technicians, equipment, PD/PI's travel, supplies, fees-for-service.
- Faculty salaries, typically based on full-time, nine-month contractual appointment with the applicant organization, and reimbursed according to person months dedicated to the proposed research. PD/PI summer salary support based on person months spent on the SCORE research project is allowable if permitted by institutional policy...

Unallowable Costs

- Student stipends, salaries, or tuition are not allowed...

A **New Investigator** is an NIH research grant applicant who has not yet competed successfully for a substantial, NIH research grant.

A Program Director/ Principal Investigator (PD/PI) who has previously received a competing NIH R01 research grant is no longer considered a New Investigator. *However*, a PD/PI who has received a small grant (R03) or an Exploratory, Developmental Research Grant Award (R21) retains his or her status as a New Investigator.

New Investigators

Are given special consideration during peer review and at the time of funding.

Peer reviewers are instructed to focus more on the proposed approach than on the track record, and to expect less preliminary information than might be provided by an established investigator.

Average age one receives first R01: 42

Financial Conflicts of Interest Disclosure and training – a mandated tutorial

*Must be
completed prior
to application
submission...*

*A SUNY Disclosure
form, but Federally-
mandated.*

PHS Significant Financial Interest Disclosure Form

Name of Investigator	
Title	Campus
Department	
Project(s) / Proposal(s)	

1. List the names of all **publicly traded entities** from which you or a Related Party¹ receive remuneration² or in which you or a Related Party hold an equity interest³. Report only those entities from which the aggregate of remuneration received in the preceeding 12 months and the current value of equity interests exceeds \$5,000.

Name (self/Related Party)	Relationship	Entity	Nature	Amount



Collaborative Institutional Training Initiative
at the University of Miami

▼ SUNY - College at Old Westbury Courses

🔍 Course

CITI Health Information Privacy and Security (HIPS) for
Investigators or Research Administrators

Conflicts of Interest

IACUC Chairs, Members and Coordinators

IRB Members - Basic/Refresher

Social and Behavioral Responsible Conduct of Research

