



***In4Grants™***

***“Just Because You’re Eligible  
Doesn’t Mean You’re Competitive”***

***April 7, 2011***



Presented by:  
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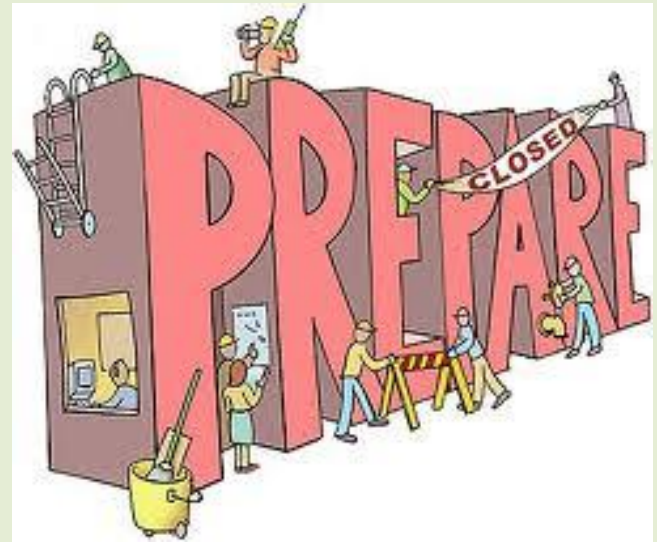
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# “But the Solicitation Says I'm Eligible”...

BEFORE you start to write your proposal:

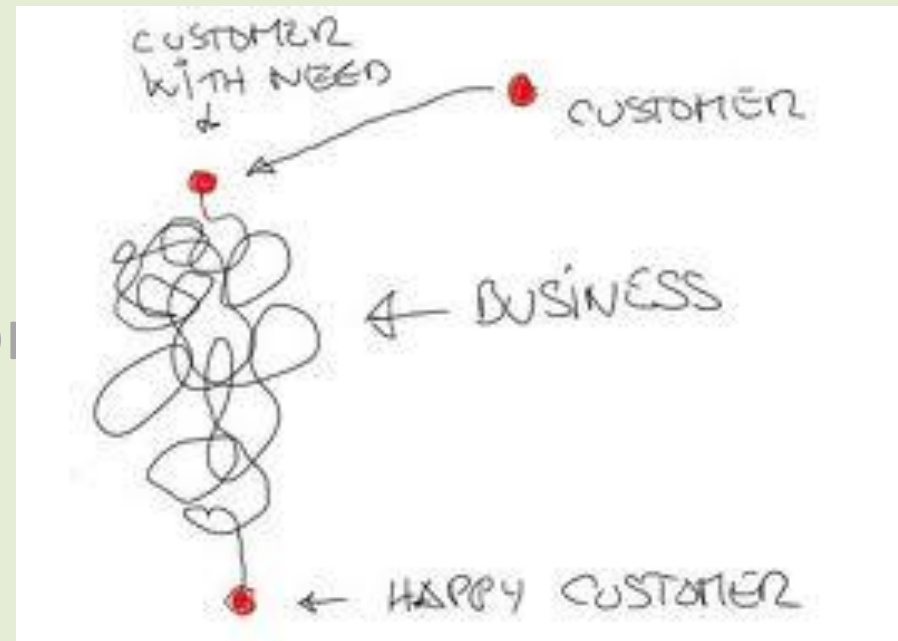
- Know your “customer”
- Confirm project match
- Size the market
- Research the competition
  - Who
  - What
- Reassess “eligibility”



# “But the Solicitation Says I'm Eligible”...

BEFORE you start to write your proposal:

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# Example: NIH



# Polling Question #1:

**Have you ever applied for an NIH grant?**

- a. **Yes, my organization applied**
- b. **Yes, I was a principal investigator**
- c. **No, have never applied**



# I'm Eligible....

**Title: NIH Exploratory Developmental Research Grant Program (Parent R21)**

## Section III. Eligibility Information

### 1. Eligible Applicants

#### 1.A. Eligible Institutions

The following organizations/institutions are eligible to apply:

- Public/State Controlled Institutions of Higher Education
- Private Institutions of Higher Education
- Hispanic-serving Institutions
- Historically Black Colleges and Universities (HBCUs)
- Tribally Controlled Colleges and Universities (TCCUs)
- Alaska Native and Native Hawaiian Serving Institutions
- Nonprofits with 501(c)(3) IRS Status (Other than Institutions of Higher Education)
- Nonprofits without 501(c)(3) IRS Status (Other than Institutions of Higher Education)
- Small Businesses
- For-Profit Organizations (Other than Small Businesses)
- State Governments
- Indian/Native American Tribal Governments (Federally Recognized)
- Indian/Native American Tribally Designated Organizations
- County Governments
- City or Township Governments
- Special District Governments
- Independent School Districts
- Public Housing Authorities/Indian Housing Authorities
- U.S. Territory or Possession
- Indian/Native American Tribal Governments (Other than Federally Recognized)
- Regional Organizations
- Non-domestic (non-U.S.) Entities (Foreign Organizations)
- Other(s):
  - Eligible Agencies of the Federal Government
  - Faith-based or Community-based Organizations.

# National Institutes of Health



- The National Institutes of Health (NIH), a part of the U.S. Department of Health and Human Services, is the primary Federal agency for conducting and supporting medical research.
- Helping to lead the way toward important medical discoveries that improve people's health and save lives, NIH scientists investigate ways to prevent disease as well as the causes, treatments, and even cures for common and rare diseases.
- Composed of 27 Institutes and Centers, the NIH provides leadership and financial support to researchers in every state and throughout the world.





# NIH is organized into:

## 27 Separate Institutes & Centers (IC) each with different:

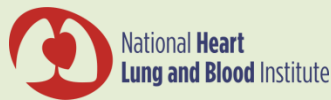
- missions & priorities
- budgets
- ways of deciding which grants to fund



National Human  
Genome Research  
Institute



National Institute on Alcohol  
Abuse and Alcoholism



NATIONAL INSTITUTE OF  
DIABETES AND DIGESTIVE  
AND KIDNEY DISEASES



National Institute of Dental  
and Craniofacial Research



NATIONAL INSTITUTE  
ON DRUG ABUSE



Center for Information Technology



NIEHS



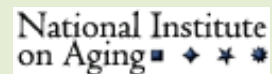
NATIONAL CENTER FOR COMPLEMENTARY  
AND ALTERNATIVE MEDICINE



FOGARTY  
International Center



Clinical Center



# NIH Centers

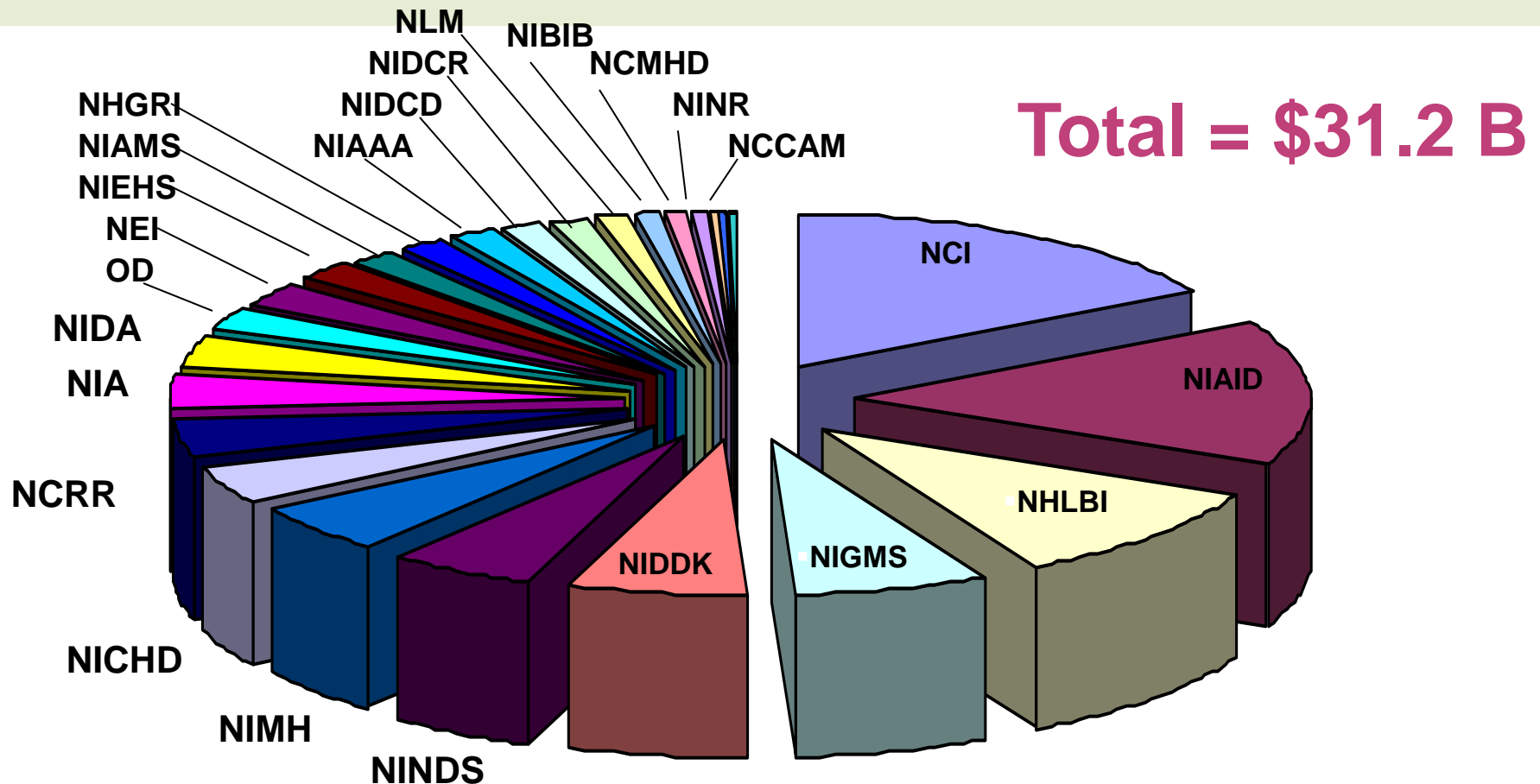
- Center for Information Technology (CIT)
- Center for Scientific Review (CSR) \*\*
- John E. Fogarty International Center (FIC)
- National Center for Complementary and Alternative Medicine (NCCAM)
- National Center on Minority Health and Health Disparities (NCMHD)
- National Center for Research Resources (NCRR)
- NIH Clinical Center (CC)



# NIH FY10 Budget

NIH Divides most of its investment according to the interests of the component parts (i.e. Institutes or Centers), with <2% allocated to trans-NIH initiatives.

\*\* About 85% distributed via Extramural grants, contracts, cooperative agreements





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- >> Women in Biomedical Careers
- >> Stem Cell Information
- >> Common Fund/Roadmap

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Recovery & Reinvestment Act

# NIH Institutes

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NIBIB	FIC
NICHD	NCCAM
NIDCD	NCMHD
NIDCR	NCRR
NIDDK	CC

### Offices



**The Office of the Director (OD)**  
The Office of the Director is the central office at NIH for its 27 Institutes and Centers. The OD is responsible for setting policy for NIH and for planning, managing, and coordinating the programs and activities of all the NIH components. OD's program offices include the Office of AIDS Research and the Office of Research on Women's Health, among others. [more >](#)

### NIH Institutes



**National Cancer Institute (NCI)** - Est. 1937  
NCI leads a national effort to eliminate the suffering and death due to cancer. Through basic and clinical biomedical research and training, NCI conducts and supports research that will lead to a future in which we can prevent cancer before it starts, identify cancers that do develop at the earliest stage, eliminate cancers through innovative treatment interventions, and biologically control those cancers that we cannot eliminate so they become manageable, chronic diseases. [more >](#)



**National Eye Institute (NEI)** - Est. 1968  
NEI conducts and supports research that helps prevent and treat eye diseases and other disorders of vision. This research leads to sight-saving treatments, reduces visual impairment and blindness, and improves the quality of life for people of all ages. NEI-supported research has advanced our knowledge of how the eye functions in health and disease. [more >](#)





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science.



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**Nutrition Education**  
Celebrate National Nutrition  
Month with NIH  
*Posted - 3/01/2011*



**Benefits of Early  
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Preschool Program  
Produces Payoff  
*Posted - 2/24/2011*

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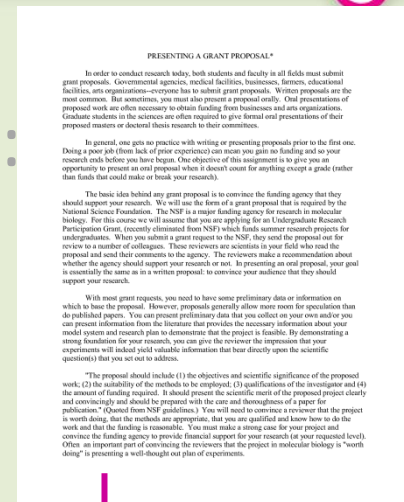
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<http://grants.nih.gov/grants/oer.htm>



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- [Federal Funding Accountability and Transparency Act \(FFATA\)](#)
- [Financial Conflict of Interest](#)

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## NIH Funding Opportunities and Notices for March 04, 2011 (The NIH Guide TOC)

Table of Contents for the NIH Guide for Grants & Contracts <NIHTOC-L@LIST.NIH.GOV> on behalf of Guide TOC <GuideTOC@MAIL.NIH.GOV>

Sent: Fri 3/4/2011 3:00 PM

To: NIHTOC-L@LIST.NIH.GOV

### Weekly NIH Funding Opportunities and Notices

NIH Guide for Grants and Contracts

March 04, 2011

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## Notices

- Addendum to Notice NOT-AI-11-029: Town Hall Meeting Announcement and Request for Information (RFI) regarding the NIAID Leadership Group for a Clinical Research Network on Infectious Diseases other than HIV (NOT-AI-11-037)  
National Institute of Allergy and Infectious Diseases  
<http://grants.nih.gov/grants/guide/notice-files/NOT-AI-11-037.html>
- Request for Information (RFI): To Solicit Input for Investigational Human Nutrigenetic Studies for Personalizing Cancer Prevention Strategies (NOT-CA-11-009)  
National Cancer Institute  
National Institutes of Health  
<http://grants.nih.gov/grants/guide/notice-files/NOT-CA-11-009.html>
- Notice of Clarification of Direct Cost Limitations for RFA-DK-10-013: Optimizing Recovery and Preservation of Endogenous Insulin Secretion in Individuals with Prediabetes or Recent Onset of Type 2 Diabetes (U01) (NOT-DK-11-007)  
National Institute of Diabetes and Digestive and Kidney Diseases  
<http://grants.nih.gov/grants/guide/notice-files/NOT-DK-11-007.html>

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- Parent Announcements
- PA – Program Announcement
  - Requesting applications in the stated scientific areas
  - Money is not set aside
  - Standard receipt dates
- RFA – Request for Applications
  - Specific program purpose
  - Funds set aside for the competition
  - Generally identify a single application receipt date
  - Unique receipt dates



# NIH Award Mechanisms



## Research Grants

- ❖ Traditional – R01
- ❖ Small – R03
- ❖ Exploratory/Development – R21
- ❖ Program Project – P01
- ❖ Research Center – P41, P30, P50
- ❖ Large Project/Program Planning – P20
- ❖ Clinical Trial Planning – R34
- ❖ Small Business – R41, R42, R43, R44





## Parent Announcements (For Unsolicited or Investigator-Initiated Applications)

NIH and other agencies serviced by [eRA Commons](#) want your investigator-initiated applications. Electronic grant applications must be submitted in response to a [Funding Opportunity Announcement](#) (FOA)\*\*. We have developed Parent announcements for use by applicants who wish to submit what were formerly termed investigator-initiated or 'unsolicited' applications. Apply using the electronic application package for your chosen mechanism, listed in the table below. Read [More About Parent Announcements](#). Not all Institutes and Centers participate in all FOAs. Please read announcements carefully to determine participation.

The following Parent Announcements are available (sorted by Activity Code):

[ [Research \(R\)](#) | [Research Training \(T\)](#) | [Career Development \(K\)](#) | [Fellowships \(F\)](#) ]

### Research (R) Announcements

Activity Code(s)	Title	Announcement Number	Issuing Organization	Release Date	Opening Date (SF424 Only) ?	Expiration Date
<b>R01</b>	Research Project Grant (Parent R01)	<a href="#">PA-10-067</a>	NIH	12/17/2009	01/05/2010	01/08/2013
<b>R03</b>	NIH Small Research Grant Program (Parent R03)	<a href="#">PA-10-064</a>	NIH	12/17/2009	01/16/2010	01/08/2013
<b>R13,U13</b>	NIH Support for Conferences and Scientific Meetings (Parent R13/U13)	<a href="#">PA-10-071</a>	NIH	01/04/2010	03/12/2010	01/08/2013
<b>R15</b>	Academic Research Enhancement Award (Parent R15)	<a href="#">PA-10-070</a>	NIH	12/24/2009	01/25/2010	01/08/2013
<b>R21</b>	NIH Exploratory Developmental Research Grant Program (Parent R21)	<a href="#">PA-10-069</a>	NIH	12/24/2009	01/16/2010	01/08/2013
<b>R41,R42</b>	PHS 2011-02 Omnibus Solicitation of the NIH for Small Business Technology Transfer Grant Applications (Parent STTR [R41/R42])	<a href="#">PA-11-097</a>	NIH	01/24/2011	03/05/2011	01/08/2012

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# What's the Difference?

## NIH Research Project Grant Program (R01)

### Introduction

The Research Project Grant (R01) is the original and historically oldest grant mechanism used by NIH. The R01 provides support for health-related research and development based on the mission of the NIH. R01s can be investigator-initiated or can be in response to a program announcement or request for application. This Web site is devoted to the investigator-initiated R01 application, which means: a good idea and an application, no specific program requirements. However, the R01 research plan proposed by the applicant must be related to the stated program interests of one or more of the NIH Institutes and Centers based on descriptions of their programs.

R01s are most often investigator initiated in response to either the R01 Parent Announcement or a Program Announcement highlighting particular scientific areas. Requests for

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### What Are SBIR and STTR Programs?

The Small Business Innovation research (SBIR) program is a set-aside program (2.5% of an agency's extramural budget) for domestic small business concerns to engage in Research/Research and Development (R/R&D) that has the potential for commercialization.

[More information on SBIR and STTR Programs...](#)

**Thinking About Submitting an SBIR or STTR application?**

Check out these [FAQs](#)

## NIH Exploratory/Developmental Research Grant Award (R21)

### Introduction

The R21 grant mechanism is intended to encourage exploratory/developmental research by providing support for the early and conceptual stages of project development. The NIH has standardized the Exploratory/Developmental Grant (R21) application characteristics, requirements, preparation, and review procedures in order to accommodate investigator-initiated (unsolicited) grant applications.

The R21 Parent Funding Opportunity Announcement (FOA) for investigator-initiated R21 applications can be found at [PA-10-069](#) and articulates the policies and procedures that apply to this grant mechanism.

This website describes the use of the R21 and describes the NIH Institutes and Centers (ICs) that intend to accept such applications.

## NIH Small Grant Program (R03)

### Introduction

The R03 grant mechanism will support small research projects that can be carried out in a short period of time with limited resources. The NIH has standardized the Small Grant (R03) application characteristics, requirements, preparation, and review procedures in order to accommodate investigator-initiated (unsolicited) applications.

The R03 Parent Funding Opportunity Announcement (FOA) for investigator-initiated R03 applications can be found at [PA-10-069](#) and articulates the policies and procedures that apply to this grant mechanism.

This website describes the use of the investigator-initiated R03 and describes the NIH Institutes and Centers (ICs) that intend to accept such applications.

[http://grants.nih.gov/grants/guide/parent\\_announcements.htm#more](http://grants.nih.gov/grants/guide/parent_announcements.htm#more)

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Keyword search: “Genome Sequencing”

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<a href="#">PAR-11-175</a>	<a href="#">See Related</a>	NIA	03/23/2011	n/a	09/08/2012	U24	National Institute on Aging Request for Applications for an Alzheimer's Disease Genetics Data Warehouse (U24)
<a href="#">PA-11-026</a>	<a href="#">See Related</a>	NIDA	11/09/2010	01/05/2011	01/08/2014	R01	Molecular Genetics of Drug Addiction and Related Co-Morbidities (R01)
<a href="#">PA-11-014</a>	<a href="#">See Related</a>	NIMH	10/26/2010	12/07/2010	01/08/2014	R01	HIV Infection of the Central Nervous System (R01)
<a href="#">RFA-HG-10-012</a>	<a href="#">See Related</a>	NHGRI	08/27/2010	09/19/2010	10/18/2012	R01	Revolutionary Genome Sequencing Technologies The \$1000 Genome (R01)
<a href="#">RFA-HG-10-013</a>	<a href="#">See Related</a>	NHGRI	08/27/2010	09/19/2010	10/18/2012	R21	Revolutionary Genome Sequencing Technologies The \$1000 Genome (R21)
<a href="#">RFA-HG-10-014</a>	<a href="#">See Related</a>	NHGRI	08/27/2010	10/01/2010	10/18/2012	R43,R44	Revolutionary Genome Sequencing Technologies The \$1000 Genome (SBIR [R43/R44])

<http://grants.nih.gov/grants/guide/index.html>

# “Talk to Strangers”

## NIH Exploratory/Developmental Research Grant Program (Parent R21) ([PA-10-069](#))

Release Date: December 24, 2009

Expiration Date: January 8, 2013

### Contacts and Special Interests



<p><a href="#">National Human Genome Research Institute (NHGRI)</a></p>	<p><a href="#">http://research.nhgri.nih.gov/priorities/</a></p> <p>Bettie J. Graham, Ph.D. Phone: 301-496-7531 FAX: 301-480-2770 Email: <a href="mailto:Bettie_graham@nih.gov">Bettie_graham@nih.gov</a></p> <p><b>The National Human Genome Research Institute (NHGRI)</b> will accept investigator-initiated exploratory/developmental projects (R21) for all program areas supported by the Institute. NHGRI uses the R21 mechanism for pilot projects or feasibility studies to develop new, and/or to significantly improve existing genomics and proteomics technologies and to encourage high risk/potential high payoff research. Potential applicants are encouraged to review the Institute's goals in its latest program planning document, "A Vision for the Future of Genomics Research," <a href="http://www.genome.gov/11007524">http://www.genome.gov/11007524</a>.</p>
<p><a href="#">National Eye Institute (NEI)</a></p>	<p>Lisa Neuhold, Ph.D. Phone: 301-451-2020 FAX: 301-402-0528 Email: <a href="mailto:lneuhold@nei.nih.gov">lneuhold@nei.nih.gov</a></p> <p><b>The National Eye Institute (NEI)</b> will accept investigator-initiated exploratory/developmental projects (R21) for all program areas supported by the Institute.</p> <p>For information regarding specific programmatic priorities, see <a href="http://www.nei.nih.gov">http://www.nei.nih.gov</a>. The NEI also solicits R21 applications for a specialized program which has particular research objectives and application and review procedures. Information regarding the NEI <b>Research Grant for Secondary Data Analysis</b> is available on our website.</p>
<p><a href="#">The National Heart, Lung, and Blood Institute (NHLBI)</a></p>	<p>Roy White, Ph.D. Phone: 301-435-0310 FAX: 301-480-4755 Email: <a href="mailto:whiter@nhlbi.nih.gov">whiter@nhlbi.nih.gov</a></p> <p><b>The National Heart, Lung, and Blood Institute (NHLBI)</b> will accept investigator-initiated exploratory/developmental projects (R21) for all program areas supported by the Institute.</p>
<p><a href="#">National Institute on Aging (NIA)</a></p>	<p>Robin A. Barr, D. Phil. Phone: 301-496-9322 FAX: 301-402-2945 Email: <a href="mailto:BarrR@mail.nih.gov">BarrR@mail.nih.gov</a></p> <p><b>The National Institute on Aging (NIA)</b> will accept investigator-initiated exploratory/developmental projects (R21) for all program areas supported by the Institute.</p>



# Polling Question #2

**Have you ever contacted an agency program director?**

- a. **Yes, it was helpful**
- b. **Yes, but it was not helpful**
- c. **No never contacted them**



# “But the Solicitation Says I'm Eligible”...

BEFORE you start to write your proposal:

- Know your “customer”
- Confirm project match
- Size the market
- Research the competition
  - Who
  - What
- Reassess “eligibility”





NATIONAL INSTITUTES OF HEALTH

## Research Portfolio Online Reporting Tool (RePORT)

REPORTS, DATA AND ANALYSES OF NIH RESEARCH ACTIVITIES

SEARCH

GO

## RePORT EXPENDITURES &amp; RESULTS (RePORTER)

HOME

FREQUENTLY REQUESTED REPORTS

REPORTS

CATEGORICAL SPENDING

REPORTER

GLOSSARY

FAQS

LINKS

CONTACT US

Home &gt; RePORTER &gt; Query Form

Font Size: - +



ABOUT RePORTER DATA

VIEW PROJECT BY  
NIH SPENDING CATEGORYFREQUENTLY  
ASKED QUESTIONS

SUBMIT QUERY

CLEAR QUERY

? NIH Recovery Act Projects:

SELECT ▶

? Term Search:

Logic: ☒ And ☐ Or

Hint: Multiple terms are accepted. Separate each term with a space. You may also use terms in " " (double quotes) for exact terms match.

? Project Title:

? Fiscal Year (FY):

Current FY is 2010

SELECT ▶

? NIH Spending Category:

SELECT ▶

? State:

SELECT ▶

? Congressional District:

SELECT ▶

? Principal Investigator:

(Last Name, First Name)

Use '%' for wildcard

? Agency/Institute/Center:

SELECT ▶

☒ Admin ☐ Funding

? Funding Mechanism:

SELECT ▶

? Award Type:

SELECT ▶

? Activity Code:

SELECT ▶

? Project Number:

Format: 5R01CA121298-04

Use '%' for wildcard

? Study Section:

SELECT ▶

? RFA/PA:

Format: RFA-IC-09-003  
or PA-09-003

Use '%' for wildcard

[Funding Opportunities and Notices](#)

? Public Health Relevance:

? Organization:

SUBMIT QUERY

CLEAR QUERY

■ <http://projectreporter.nih.gov/reporter.cfm>



SUBMIT QUERY

CLEAR QUERY

NIH ARRA Projects Only:

SELECT

Term Search:

Logic: ☒ And ☐ Or

Hint: Multiple terms are accepted. Separate each term with a space. You may also use terms in "" (double quotes) for exact terms match.

Project Title:

Project Number:

Format: 5R01CA012345-0

Use '%' for wildcard

[Enter multiple project numbers](#)

Principal Investigator:

(Last Name, First Name)

Use '%' for wildcard

Organization:

DUNS Number:

Department:

SELECT

Educational Institution Type:

SELECT

City:

Use '%' for wildcard

State:

SELECT

Country:

SELECT

Congressional District:

SELECT

SUBMIT QUERY

CLEAR QUERY

Fiscal Year (FY):

Current FY is 2011

Active Projects

SELECT

NIH Spending Category:

SELECT

Agency/Institute/Center:

SELECT

☒ Admin ☐ Funding

Funding Mechanism:

SELECT

Award Type:

SELECT

Activity Code:

SELECT

Exclude Subprojects:

☐

Study Section:

SELECT

RFA/PA:

Format: RFA-IC-09-003  
or PA-09-003

Use '%' for wildcard

[Funding Opportunities and Notices](#)

Public Health Relevance:

Project Start Date: >=

Format: mm/dd/yyyy

Project End Date: <=

Format: mm/dd/yyyy

Award Notice Date: >

Newly Added Projects Only:

Projects added since 03/26/11

☐

# R21 Active Awards, MI

There were **187** results matching your search criteria.

Records per page

Show/Hide Search Criteria

Click on the column header to sort the results

Page 1 of 8 [Next](#) [Last](#)

	Project Number	Sub #	Project Title	Contact Principal Investigator	Organization	FY	Admin IC	Funding IC	FY Total Cost by IC
<input type="checkbox"/>	<a href="#">5R21AI081174-02</a>		<a href="#">HIGH THROUGHPUT IDENTIFICATION AND QUANTIFICATION OF FUNGI USING HIGH RESOLUTION</a>	<a href="#">AKINS, ROBERT A</a>	WAYNE STATE UNIVERSITY	2010	NIAID	NIAID	\$161,956
<input type="checkbox"/>	<a href="#">5R21NS059537-02</a>		<a href="#">NEURODEGENERATION IN AGING RETARDED MICE</a>	<a href="#">ALBIN, ROGER L</a>	UNIVERSITY OF MICHIGAN AT ANN ARBOR	2009	NINDS	NINDS	\$133,263
<input type="checkbox"/>	<a href="#">5R21CA139369-02</a>		<a href="#">IMPROVING CLINICAL SYSTEM COMMUNICATION TO INCREASE TRIAL OFFERS TO CANCER PATIENT</a>	<a href="#">ALBRECHT, TERRANCE L</a>	WAYNE STATE UNIVERSITY	2010	NCI	NCI	\$200,640
<input type="checkbox"/>	<a href="#">5R21NS066143-02</a>		<a href="#">MR IMAGING OF PHE AND CHEMOTHERAPEUTIC RESPONSE IN A RAT GLIOMA</a>	<a href="#">ALI, MD MESER</a>	HENRY FORD HEALTH SYSTEM	2010	NINDS	NINDS	\$178,964
<input type="checkbox"/>	<a href="#">5R21HD060893-02</a>		<a href="#">ARCHIVING THE HISTORICAL DEMOGRAPHY OF THE U. S.</a>	<a href="#">ALTER, GEORGE C.</a>	UNIVERSITY OF MICHIGAN AT ANN ARBOR	2011	NICHHD	NICHHD	\$173,813
<input type="checkbox"/>	<a href="#">7R21EY019392-03</a>		<a href="#">INDUCTION OF THE BLOOD-RETINAL BARRIER</a>	<a href="#">ANTONETTI, DAVID</a>	UNIVERSITY OF MICHIGAN AT ANN ARBOR	2010	NEI	NEI	\$91,228
<input type="checkbox"/>	<a href="#">5R21DA024186-04</a>		<a href="#">ELECTRONIC JOURNAL DATA COLLECTION TECHNOLOGIES FOR INTERDISCIPLINARY RESEARCH</a>	<a href="#">AXINN, WILLIAM G.</a> et al.	UNIVERSITY OF MICHIGAN AT ANN ARBOR	2010	NIDA	OD	\$291,357
<input type="checkbox"/>	<a href="#">1R21HL098495-01A1</a>		<a href="#">GENETIC MODIFICATION OF TRIGGERS OF ACUTE MYOCARDIAL INFARCTION</a>	<a href="#">BAYLIN, ANA B</a>	UNIVERSITY OF MICHIGAN AT ANN ARBOR	2010	NHLBI	NHLBI	\$285,424
<input type="checkbox"/>	<a href="#">1R21DA027924-01A1</a>		<a href="#">PROTECTIVE BENEFITS OF MATERNAL BEHAVIOR ON SUSCEPTIBILITY FOR DRUG ABUSE</a>	<a href="#">BECKER, JILL B</a>	UNIVERSITY OF MICHIGAN AT ANN ARBOR	2010	NIDA	NIDA	\$214,948
<input type="checkbox"/>	<a href="#">1R21NS073509-01</a>		<a href="#">A COHORT STUDY OF SEIZURES AND EPILEPSY IN HIV+ ZAMBIAN ADULTS</a>	<a href="#">BIRBECK, GRETCHEN LANO</a>	MICHIGAN STATE UNIVERSITY	2011	NINDS	NINDS	\$125,758
<input type="checkbox"/>	<a href="#">1R21NS069228-01</a>		<a href="#">THE MALAWI-MSU MRI PROJECT: AN EPIDEMIOLOGIC STUDY OF CNS ABNORMALITIES</a>	<a href="#">BIRBECK, GRETCHEN LANO</a> et al.	MICHIGAN STATE UNIVERSITY	2010	NINDS	FIC NINDS	\$5,000 \$118,091
<input type="checkbox"/>	<a href="#">3R21NS069228-01S1</a>		<a href="#">THE MALAWI-MSU MRI PROJECT: AN EPIDEMIOLOGIC STUDY OF CNS ABNORMALITIES</a>	<a href="#">BIRBECK, GRETCHEN LANO</a> et al.	MICHIGAN STATE UNIVERSITY	2010	NINDS	NINDS	\$54,161
<input type="checkbox"/>	<a href="#">5R21HL093395-02</a>		<a href="#">IDENTIFYING PHYSICAL ACTIVITY AND ACTIVITY CONTEXT VIA WEARABLE</a>	<a href="#">BISWAS, SUBIR KUMAR</a> et al.	MICHIGAN STATE UNIVERSITY	2011	NHLBI	NHLBI	\$221,922

SUBMIT QUERY

CLEAR QUERY

? **NIH ARRA Projects Only:**

SELECT ▸

? **Term Search:**

Logic: ☒ And ☐ Or

Genome Sequencing

Hint: Multiple terms are accepted. Separate each term with a space. You may also use terms in "" (double quotes) for exact terms match.

? **Project Title:**

? **Project Number:**

Format: 5R01CA012345-04

%R21%

Use '%' for wildcard

[Enter multiple project numbers](#)

? **Principal Investigator:**

(Last Name, First Name)

Use '%' for wildcard

? **Organization:**

? **DUNS Number:**

? **Department:**

SELECT ▸

? **Educational Institution Type:**

SELECT ▸

? **City:**

Use '%' for wildcard

? **State:**

SELECT ▸

? **Country:**

 All

SELECT ▸

? **Congressional District:**

SELECT ▸

SUBMIT QUERY

CLEAR QUERY

? **Fiscal Year (FY):**

Current FY is 2011

Active Projects

SELECT ▸

? **NIH Spending Category:**

SELECT ▸

? **Agency/Institute/Center:**

☒ Admin ☐ Funding

 All

SELECT ▸

? **Funding Mechanism:**

 All

SELECT ▸

? **Award Type:**

 All

SELECT ▸

? **Activity Code:**

 All

SELECT ▸

? **Exclude Subprojects:**

☐

? **Study Section:**

 All

SELECT ▸

? **RFA/PA:**

Format: RFA-IC-09-003  
or PA-09-003

Use '%' for wildcard

[Funding Opportunities and Notices](#)

? **Public Health Relevance:**

? **Project Start Date: >=**

Format: mm/dd/yyyy

 mm/dd/yyyy

? **Project End Date: <=**

Format: mm/dd/yyyy

 mm/dd/yyyy

? **Award Notice Date:** > ▾

Format: mm/dd/yyyy

 mm/dd/yyyy

? **Newly Added Projects Only:**

Projects added since 03/26/11

☐



# R21 Active Awards “Genome Sequencing”

HIT LIST ?		PUBLICATIONS		PATENTS		VISUALIZE		EXPORT All Projects GO	
There were 174 results matching your search criteria.				Records per page 25		Show/Hide Search Criteria			
Click on the column header to sort the results								Page 1 of 7 Next Last	
	Project Number	Sub #	Project Title	Contact Principal Investigator	Organization	FY	Admin IC	Funding IC	FY Total Cost by IC
<input type="checkbox"/>	<a href="#">5R21AI087098-02</a>		<a href="#">CRYSTALLOGRAPHIC STUDIES OF RETROVIRAL INTEGRASES</a>	<a href="#">AIHARA, HIDEKI</a>	UNIVERSITY OF MINNESOTA TWIN CITIES	2010	NIAID	NIAID	\$218,995
<input type="checkbox"/>	<a href="#">5R21DA029315-02</a>		<a href="#">TRANSGENIC MICE TO LABEL CELL-SPECIFIC NUCLEI IN BRAIN</a>	<a href="#">AKBARIAN, SCHAHRAM</a>	UNIV OF MASSACHUSETTS MED SCH WORCESTER	2011	NIDA	NIDA	\$222,075
<input type="checkbox"/>	<a href="#">5R21AI076879-02</a>		<a href="#">TSETSE-TRYPANOSOME INTERACTIONS</a>	<a href="#">AKSOY, SERAP</a>	YALE UNIVERSITY	2009	NIAID	NIAID	\$247,818
<input type="checkbox"/>	<a href="#">5R21HG005107-02</a>		<a href="#">PHYLOGENETIC BINNING OF METAGENOMIC SEQUENCE DATA</a>	<a href="#">ALLEN, ERIC ELLSWORTH</a>	UNIVERSITY OF CALIFORNIA SAN DIEGO	2010	NHGRI	NHGRI	\$193,125
<input type="checkbox"/>	<a href="#">1R21HG005811-01</a>		<a href="#">FACS-MABE: A METHOD TO SORT AND ENRICH THE AS-YET UNCULTURED BACTERIAL SPECIES FR</a>	ALLEN-VERCOE, EMMA	UNIVERSITY OF GUELPH	2010	NHGRI	OD	\$89,964
<input type="checkbox"/>	<a href="#">1R21AI084032-01A1</a>		<a href="#">HIGH-RESOLUTION ANALYSIS OF DIVERSITY AND VARIATION IN THE HUMAN MICROBIOME</a>	ALM, ERIC JOHN	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2010	NIAID	NIAID	\$210,000
<input type="checkbox"/>	<a href="#">5R21AI081041-02</a>		<a href="#">MASSIVELY PARALLEL SEQUENCING OF THE DIAPAUSE TRANSCRIPTOME IN NEDES ALBOPISTUS</a>	<a href="#">ARMBRUSTER, PETER et al.</a>	GEORGETOWN UNIVERSITY	2010	NIAID	NIAID	\$150,647
<input type="checkbox"/>	<a href="#">5R21HL094969-02</a>		<a href="#">INHIBITION OF PROTEIN-PROTEIN CONTACTS IN VEGF TRANSCRIPTION BY SYNTHETIC HELICES</a>	<a href="#">ARORA, PARAMJIT S</a>	NEW YORK UNIVERSITY	2010	NHLBI	NHLBI	\$113,006
<input type="checkbox"/>	<a href="#">5R21AI078855-02</a>		<a href="#">ANTIBODY-FC RECEPTOR INTERACTIONS IN AIDS MACAQUE MODELS</a>	<a href="#">ATTANASIO, ROBERTA</a>	GEORGIA STATE UNIVERSITY	2009	NIAID	NIAID	\$216,750
<input type="checkbox"/>	<a href="#">3R21EY018479-02S2</a>		<a href="#">TARGETING THE CHOROID PLEXUS FOR DRUG TRANSLOCATION INTO CSF</a>	<a href="#">BAIRD, ANDREW</a>	UNIVERSITY OF CALIFORNIA SAN DIEGO	2010	NEI	NEI	\$159,408
<input type="checkbox"/>	<a href="#">5R21HL089526-02</a>		<a href="#">BRONCHIAL EPITHELIAL CULTURES AND KAWASAKI DISEASE</a>	<a href="#">BAKER, SUSAN C.</a>	LOYOLA UNIVERSITY CHICAGO	2009	NHLBI	NHLBI	\$192,230
<input type="checkbox"/>	<a href="#">5R21CA137687-02</a>		<a href="#">HIGH DEFINITION CLONAL ANALYSES OF ARCHIVAL PANCREATIC</a>	<a href="#">BARRETT, MICHAEL THOMAS</a>	TRANSLATIONAL GENOMICS RESEARCH INST	2011	NCI	NCI	\$231,572



# Project Information ?

[BACK TO QUERY FORM](#)[BACK TO SEARCH RESULTS](#)[PRINT VERSION](#)

## DESCRIPTION

## DETAILS

## RESULTS

## HISTORY

## SUBPROJECTS


**Project Number:** 5R21HL094969-02

**Title:** INHIBITION OF PROTEIN-PROTEIN CONTACTS IN VEGF  
TRANSCRIPTION BY SYNTHETIC HELICES

**Contact Principal Investigator:** [ARORA, PARAMJIT S](#)

**Awardee Organization:** NEW YORK UNIVERSITY



### Contact PI Information:

**Name:** [ARORA, PARAMJIT S](#)   
**Email:** [arora@nyu.edu](mailto:arora@nyu.edu)  
**Title:** ASSISTANT PROFESSOR

### Program Official Information:

**Name:** APPLEBAUM, DEBORAH  
**Email:** [applebad@nhlbi.nih.gov](mailto:applebad@nhlbi.nih.gov)

### Other PI Information:

 Profile Exists  No Profile

Not Applicable

### Organization:

**Name:** NEW YORK UNIVERSITY  
**City:** NEW YORK **Country:** UNITED STATES (US)

### Department/ Educational Institution Type:

CHEMISTRY  
SCHOOLS OF ARTS AND SCIENCES

### Congressional District:

**State Code:** NY  
**District:** 08

### Other Information:

**RFA/PA:** [PA-06-181](#)  
**Study Section:** Cellular Signaling and Regulatory Systems Study Section (CSRS)  
**Fiscal Year:** 2010 **Award Notice Date:** 3-DEC-2009

**BUNS Number:** 041968306 **CFDA Code:** 837  
**Project Start Date:** 1-DEC-2008 **Project End Date:** 30-NOV-2011  
**Budget Start Date:** 1-DEC-2009 **Budget End Date:** 30-NOV-2011

### Administering Institutes or Centers:

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE

### Project Funding Information for 2010:

**Total Funding:** \$143,006

Year	Funding IC	FY Total Cost by IC
2010	NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	\$143,006

**DESCRIPTION****DETAILS****RESULTS****HISTORY****SUBPROJECTS****Project Number:** 5R21HL094969-02**Contact Principal Investigator:** [ARORA, PARAMJIT S](#)**Title:** INHIBITION OF PROTEIN-PROTEIN CONTACTS IN VEGF  
TRANSCRIPTION BY SYNTHETIC HELICES**Awardee Organization:** NEW YORK UNIVERSITY**Abstract Text:**

DESCRIPTION (provided by applicant): Angiogenesis, the programmed growth blood vessels, is tightly controlled by a number of specific mitogenic factors, among which vascular endothelial growth factor (VEGF) and its receptors play a central role. The levels of VEGF are up-regulated across a broad range of tumors and are involved in key aspects of cancer biology. A hallmark of many cancers, chronic hypoxia, in conjunction with activation of certain oncogenic signaling pathways, is responsible for the elevated levels of VEGF and is associated with invasion and altered energy metabolism. Because tight control of hypoxia-inducible gene expression is critical for cellular existence, the goal of primary importance has been to develop methods of controlling hypoxia-inducible genes in malignant cells while leaving normal cells unaffected. To address this goal, we seek to uncover synthetic molecules that specifically regulate hypoxia-inducible transcription. We hypothesize that the process of transcription could be effectively modulated via disruption of key transcription factor-coactivator interactions involving CH1 domain of protein p300 or the homologous CBP and the C-terminal transactivation domain (C-TAD) of the hypoxia-inducible factor 1. This complex features short ( $\alpha$ -helical domains at the interface and suggests that synthetic mimics of these helices would modulate the protein-protein interaction. In this application, we utilize a new class of artificial ( $\alpha$ -helices with secondary structure that mimics the biologically relevant fragment of HIF-1( C-TAD. In preliminary studies, we have shown that disruption of the Hif-1/p300 interaction with our synthetic helices results in rapid downregulation of important in cancer progression hypoxia-inducible genes, including VEGF, in cell culture. Our specific aims are to: (1) to design and synthesize artificial helices as inhibitors of the transcription factor-coactivator complex; (2) evaluate binding thermodynamics of each inhibitor toward their protein targets, test their ability to inhibit the cognate protein-protein interaction in vitro, and (3) test the ability artificial helices to disrupt transcription of HIF-inducible genes in cancer and explore the mechanistic details of this disruption at the molecular level. Combined these three aims will validate our hypothesis and create a foundation for the development of a new class of structure and mechanism-based cancer therapeutics. PUBLIC HEALTH RELEVANCE The **Sequencing** of the human **Genome** and recent advances in proteomics have led to a better understanding of the relationship between genetic content and disease. As a result, the development of novel therapies based on controlling gene expression in diseased cells has become an increasingly important goal. By combining the art of chemical synthesis with the methods of molecular biology and genetics, we aim to uncover uniquely specific small molecules that act as suppressors of hypoxia-inducible transcription in cancer with the long-term goal of developing new therapeutics for treatment of aerobic glycolysis and angiogenesis.

**Public Health Relevance Statement:**

The **Sequencing** of the human **Genome** and recent advances in proteomics have led to a better understanding of the relationship between genetic content and disease. As a result, the development of novel therapies based on controlling gene expression in diseased cells has become an increasingly important goal. By combining the art of chemical synthesis with the methods of molecular biology and genetics, we aim to uncover uniquely specific small molecules that act as suppressors of hypoxia-inducible transcription in cancer with the long-term goal of developing new therapeutics for treatment of aerobic glycolysis and angiogenesis.

**NIH Spending Category:**

Biotechnology; Cancer; Genetics

# Polling Question #3

**Do you collaborate on grants?**

- a. **Yes, we usually collaborate**
- b. **No we don't collaborate**
- c. **We need to collaborate more in the future**

# “But the Solicitation Says I'm Eligible”...

- BEFORE you start to write your proposal:
- Know your “customer”
- Confirm project match
- Size the market
- Research the competition
  - Who
  - What
- Reassess “eligibility”



# Help for New Investigators

<http://funding.niaid.nih.gov/researchfunding/grant/pages/newpiportal.aspx#n>

Department of Health and Human Services • National Institutes of Health



## National Institute of Allergy and Infectious Diseases

Leading research to understand, treat, and prevent infectious, immunologic, and allergic diseases.

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NIAID Research Funding

Newsletter and Blog

Opportunities and Announcements

Paylines and Funding

Grants

- Application
- Peer Review
- Grant Award and Management
- Early-Stage and New Investigators
- Training and Career
- R01 Investigator Resources
- International Awards
- Small Business Awards
- Other Grant Types
- Animals in Research
- Human Subjects
- Biodefense and Biosecurity

### Early-Stage and New Investigators

Follow the steps on this portal if you are an early-career stage investigator ready for an independent research grant. For other situations, see the [Training and Career](#) portal.

#### Find Support Appropriate to You

Use these graphics to see which award may be appropriate for you.

- Support by Career Stage -- M.D.
- Support by Career Stage -- Ph.D.

**Note:** All training and career development awards (except K99/R00) require U.S. citizenship or permanent resident status.

#### Get Help From NIAID

Talk to a program officer to learn about grant types and opportunities; get advice about whether your area of science fits NIAID's mission.

- Contact Staff for Help
- When to Contact an NIAID Program Officer
- Health and Research Topics

#### Learn About Getting an Independent Award

Find advice in the [New Investigator Guide to NIH Funding](#):

- Do You Qualify for Independent Support?

#### Find More Information

- Standard Operating Procedures
  - Early-Stage Investigators section
  - Training and Career Awards, Fellowships, and Supplements section
- Questions and Answers
  - Early-Stage Investigators section
  - Training and Career Awards, Fellowships, and Supplements section

#### Keep Up With Policy Changes

- [NIAID Newsletter and Funding Blog](#) -- biweekly newsletter
- [Subscribe to Email Alerts](#) -- newsletter, funding opportunities, paylines, and other interest areas.
- [Special Announcements](#) -- all NIAID-relevant *NIH Guide* announcements except funding opportunities.
- [Top Policy Changes](#) -- summary of major policy announcements for one year.

#### Subscribe to NIH Announcements

#### Highlights

- [NIAID Funding Newsletter](#), March 2, 2011
  - Subscribe
- All About Grants
  - NIH Grant Cycle
  - New Sample Applications
- Paylines
- Funding Opportunities List
- Concepts
- Special Announcements
- Top Policy Changes

#### Look It Up

- career development award (K)
- Center for Scientific Review (CSR)
- early-stage investigator
- fellowship (F)
- integrated review group (IRG)
- investigator-initiated



# Proposal Development

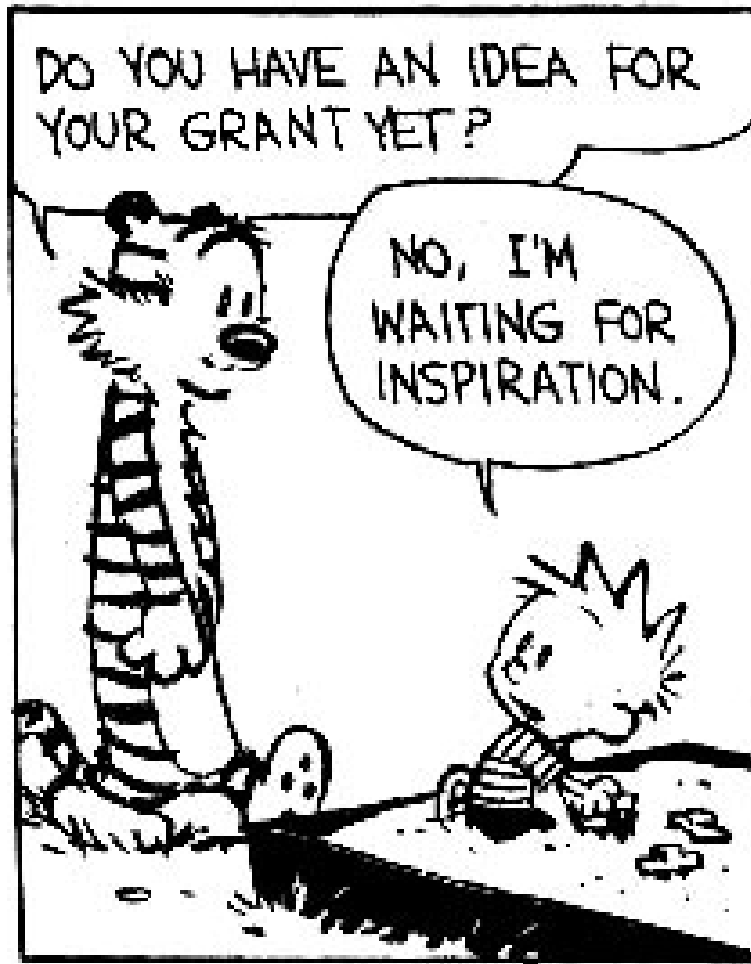


# **I am interested in a webinar on proposal preparation.**

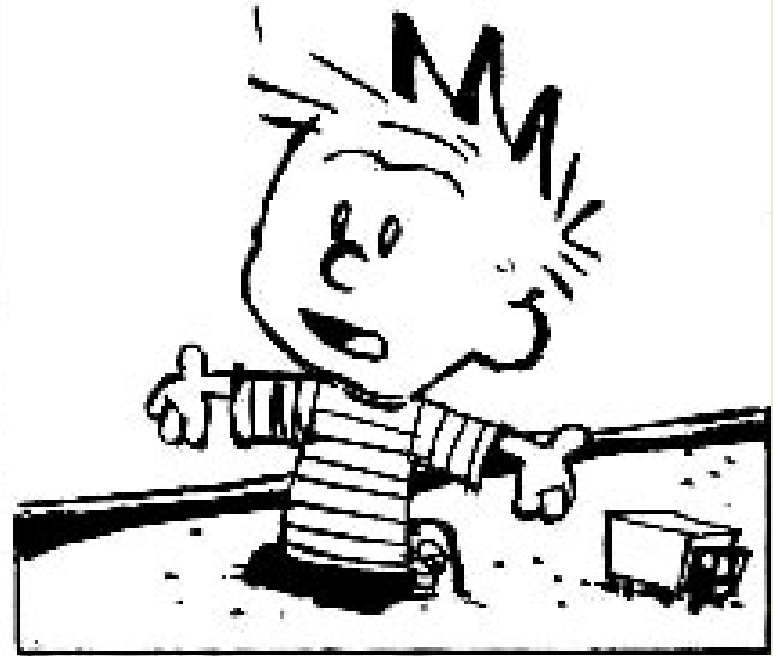
**a. Yes**

**b. No**

## Next steps.....



YOU CAN'T JUST TURN ON CREATIVITY LIKE A FAUCET. YOU HAVE TO BE IN THE RIGHT MOOD.

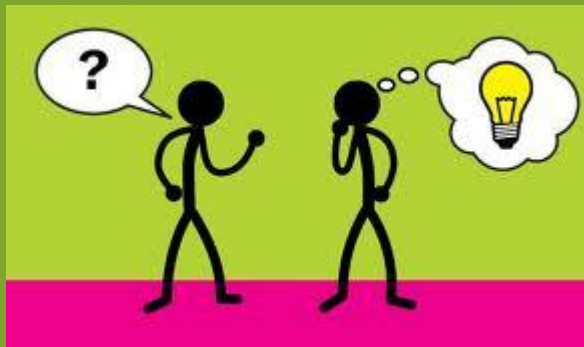


# Best practices???





**BBC** *etc*  
Developing the Business of Science



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# **What is your feedback on this webinar?**

- a. Very thought provoking, I learned a lot**
- b. I discovered some useful ideas**
- c. Overall, it was satisfactory**
- d. It was less than satisfactory**
- e. It failed to deliver anything useful to me**