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## NIH Manuscript Submission Reference Numbers

As many of you already know, NIH requires that each article that was authored or co-authored by a grant applicant and based on research supported by NIH must include the PubMed Central (PMC) reference number (e.g., PMID234567) when the article is cited. This [NIH Public Access Policy](#) ensures that the public has access to published results of NIH funded research.

For those instances in which a manuscript is submitted to a journal, but has not yet been published, a **temporary** NIH Manuscript Submission Reference Number (e.g., **NIHMS97531**) is required in lieu of a PMID.

To clarify what “temporary” means, the NIH recently published an explanation regarding the use of NIHMSID numbers. Effective August 21, 2009 an NIHMSID may be used to indicate compliance with the Public Access Policy for up to three months after a paper is published. After that period, a PMID number must be provided to indicate compliance. If an [applicable paper](#) was published three or more months before an NIH application, proposal or report is submitted, the awardee must include a PubMed Central Reference number (PMID) at the end of the full citation for the paper. An NIHMSID is not acceptable in this case.

### **Additional Information**

The NIHMS will indicate when an NIHMSID is invalid and no longer acceptable evidence of compliance with the NIH Public Access Policy. This information will also be available in a Principal Investigator’s (PI) eRA Commons Profile, provided that the manuscript was linked with the PI’s award in the NIHMS.

Full information on this clarification can be found at:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-136.html>



## Shorter Page Limits and Restructured NIH Applications

The NIH is entering into the final phase of the Enhancing Peer Review initiative, implementing several major changes: These changes affect the majority of competing applications and resubmissions for January 25, 2010 due dates and beyond.

This segment is a reiteration and a continuation from the October issue of the Newsletter. It includes a description of the new content for the: Specific Aims, Background and Significance, Research Plan, Preliminary Studies, Environment and Biosketches (the old versus the new).

### NEW: Specific Aims

State concisely the goals of the proposed research and summarize the expected outcome(s), including the impact that the results of the proposed research will exert on the research field(s) involved.

List succinctly the specific objectives of the research proposed, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology.

**Specific Aims are limited to one page.**

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### NEW: (a) Significance

\* Explain the importance of the problem or critical barrier to progress in the field that the proposed project addresses.

\* Explain how the proposed project will improve scientific knowledge, technical capability, and/or clinical practice in one or more broad fields.

\* Describe how the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field will be changed if the proposed aims are achieved.

### NEW (b) Innovation

\* Explain how the application challenges and seeks to shift current research or clinical practice paradigms.

\* Describe any novel theoretical concepts, approaches or methodologies, instrumentation or intervention(s) to be developed or used, and any advantage over existing methodologies, instrumentation or intervention(s).

\* Explain any refinements, improvements, or new applications of theoretical concepts, approaches or methodologies, instrumentation or interventions.

### OLD: Specific Aims

List the broad, long-term objectives and the goal of the specific research proposed, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology.

**One page is recommended.**

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### OLD: Background and Significance

Briefly sketch the background leading to the present application, critically evaluate existing knowledge, and specifically identify the gaps that the project is intended to fill. State concisely the importance and health relevance of the research described in this application by relating the specific aims to the broad, long-term objectives. If the aims of the application are achieved, state how scientific knowledge or clinical practice will be advanced. Describe the effect of these studies on the concepts, methods, technologies, treatments, services or preventative interventions that drive this field.

Two to three pages are recommended.

## Restructured NIH Applications continued

### NEW (c) Approach

- Describe the overall strategy, methodology, and analyses to be used to accomplish the specific aims of the project. Unless addressed separately in Item 5.5.15, include how the data will be collected, analyzed, and interpreted as well as any resource sharing plans as appropriate.
- Discuss potential problems, alternative strategies, and benchmarks for success anticipated to achieve the aims.
- If the project is in the early stages of development, describe any strategy to establish feasibility, and address the management of any high risk aspects of the proposed work.
- Point out any procedures, situations, or materials that may be hazardous to personnel and precautions to be exercised.

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### NEW: Preliminary Studies for New Applications

For new applications, include information on Preliminary Studies as part of the Approach section. Discuss the PD/PI's preliminary studies, data, and/or experience pertinent to this application. Except for Exploratory/Development Grants (R21, R33), Small Research Grants (R03), Academic Research Enhancement Award (AREA) Grants (R15), and Phase I Small Business Research Grants (R41/R43), preliminary data can be an essential part of a research grant application and help to establish the likelihood of success of the proposed project. Early Stage Investigators should include preliminary data. (However, for R01 applications, reviewers will be instructed to place less emphasis on the preliminary data in applications from Early Stage Investigators than on the preliminary data in applications from more established investigators.)

### OLD: Research Design and Methods

Describe the research design conceptual or clinical framework, procedures, and analyses to be used to accomplish the specific aims of the project. Unless addressed separately, include how the data will be collected, analyzed, and interpreted as well as the data-sharing plan as appropriate. Describe any new methodology and its advantage over existing methodologies. Describe any novel concepts, approaches, tools, or technologies for the proposed studies. Discuss the potential difficulties and limitation of the proposed procedures and alternative approaches to achieve the aims. As part of this section, provide a tentative sequence or timetable for the project. Point out any procedures, situations, or materials that may be hazardous to personnel and the precautions to be exercised. Although no specific number of pages is recommended for the Research Design and Methods section, be as succinct as possible...

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### OLD: Preliminary Studies

For new applications, use this section to provide an account of the PD/PI's preliminary studies pertinent to this application including preliminary experience with and outreach to the proposed racial/ethnic group members. This information will also help to establish the experience and competence of the investigator to pursue the proposed project.

Peer review committees generally view preliminary data as an essential part of a research grant application.

Preliminary data often aid the reviewers in assessing the likelihood of the success of the proposed project.

## Restructured NIH Applications continued

### **NEW: Environment**

This information is used to assess the capability of the organizational resources available to perform the effort proposed.

Identify the facilities to be used (laboratory, clinical, animal, computer, office, other). If appropriate, indicate their capacities, pertinent capabilities, relative proximity and extent of availability to the project. Describe only those resources that are directly applicable to the proposed work. Provide any information describing the Other Resources available to the project (e.g., machine shop, electronic shop) and the extent to which they would be available to the project.

Describe how the scientific environment in which the research will be done contributes to the probability of success (e.g., institutional support, physical resources, and intellectual rapport). In describing the scientific environment in which the work will be done, discuss ways in which the proposed studies will benefit from the unique features of the scientific environment or subject populations or will employ useful collaborative arrangements.

For Early Stage Investigators, describe institutional investment in the success of the investigator, e.g., resources for classes, travel, training; collegial support such as career enrichment programs, assistance and guidance in the supervision of trainees involved with the ESIs project, and availability of organized peer groups; logistical support such as administrative management and oversight and best practices training; and financial support such as protected time for research with salary support.

If there are multiple performance sites, describe the resources available at each site.

Describe any special facilities used for working with biohazards or other potentially dangerous substances. Note: Information about Select Agents must be described in the Research Plan...

**NOTE:** The RAS staff has templates and can assist you with writing the Environment section of NIH applications.

### **OLD: Facilities & Other Resources**

This information is used to assess the capability of the organizational resources available to perform the effort proposed. Identify the facilities to be used (Laboratory, Animal, Computer, Office, Clinical and Other). If appropriate, indicate their capacities, pertinent capabilities, relative proximity and extent of availability to the project. Describe only those resources that are directly applicable to the proposed work. Provide any information describing the Other Resources available to the project (e.g., machine shop, electronic shop) and the extent to which they would be available to the project. If there are multiple Project Performance Sites, the resources at each site should be described. In describing the scientific environment in which the work will be done, discuss ways in which the proposed studies will benefit from unique features of the scientific or subject populations, or employ useful collaborative arrangements.



## Restructured NIH Applications continued

### NEW Biosketch format

As part of the new application format, changes are being made to the biographical sketch, including the addition of a personal statement and a limit on the number of publications or manuscripts to no more than 15.

Following the educational block are the new and/or revised sections A, B, C and D:

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### BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

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NAME		POSITION TITLE	
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING ( <i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training and residency training if applicable.</i> )			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY

**NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions on the attached sample.**

#### A. Personal Statement

Briefly describe why your experience and qualifications make you particularly well-suited for your role (e.g., PD/PI, mentor, participating faculty) in the project that is the subject of the application.

#### B. Positions and Honors

List in chronological order previous positions, concluding with the present position. List any honors. Include present membership on any Federal Government public advisory committee.

#### C. Selected Peer-reviewed Publications

**NIH encourages applicants to limit the list of selected peer-reviewed publications or manuscripts in press to no more than 15.** Do not include manuscripts submitted or in preparation. The individual may choose to include selected publications based on recency, importance to the field, and/or relevance to the proposed research. When citing articles that fall under the Public Access Policy, were authored or co-authored by the applicant and arose from NIH support, provide the NIH Manuscript Submission reference number (e.g., NIHMS97531) or the PubMed Central (PMC) reference number (e.g., PMCID234567) for each article. If the PMCID is not yet available because the Journal submits articles directly to PMC on behalf of their authors, indicate "PMC Journal - In Process." A list of these Journals is posted at: [http://publicaccess.nih.gov/submit\\_process\\_journals.htm](http://publicaccess.nih.gov/submit_process_journals.htm). Citations that are not covered by the Public Access Policy, but are publicly available in a free, online format may include URLs or PMCID numbers along with the full reference (note that copies of publicly available publications are not accepted as appendix material.)

#### D. Research Support

List both selected ongoing and completed research projects for the past three years (Federal or non-Federally-supported). *Begin with the projects that are most relevant to the research proposed in the application.* Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch. Do not include number of person months or direct costs.

A sample of what your new biosketch should look like can be found at:  
<http://grants.nih.gov/grants/funding/2590/biosketchsample.pdf>

## Funding Opportunities from the NIH

### Request for Applications (RFAs)

**RFA-RM-09-022 (R01)**

Roadmap Transformative Research Projects Program (NIH)

Due date: 1/22/10

**Expiration date: 1/23/10**

### Program Announcements Reviewed in an Institute (PARs)

**PAR-09-225 (R21)**

Improving Diet and Physical Activity Assessment (R21)

Due dates: 6/16/10, 2/16/11, 10/16/11

**Expiration date: 7/17/12**
**PAR-09-172 (R21)**

Rapid Assessment Post-Impact of Disaster (NIMH)

Due date: Application should be submitted within

Approximately six weeks of the identified disaster event

**Expiration date: 4/23/12**
**PAR-08-269 (R21)**

Exploratory and Developmental Grant to Improve Health Care Quality through Information Technology (IT) (AHRQ)

Due date: Standard dates apply

**Expiration date: 11/17/11**
**PAR-07-018 (R21)**

Understanding and Promoting Health Literacy (OBSSR)

Due date: 1/25/10

**Expiration date: 1/26/10**
**PAR-10-018 (R01)**

Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention and Treatment Research Data

Due date: Standard dates apply

**Expiration date: 1/8/13**
**PAR-09-056 (R21/R33)**

Improving Intervention Possibilities for Communication Disorders

Due date: 6/28/10

**Expiration date: 6/29/10**
**PAR-09-224 (R01)**

Improving Diet and Physical Activity Assessment

Due dates: 6/5/10, 2/5/11, 10/5/11, 6/5/12

**Expiration date: 7/1/12**
**PAR-09-139 (R21)**

NIOSH Exploratory and/or Developmental Grant Program

Due date: Standard dates apply

**Expiration date: 9/8/12**
**PAR-08-075 (R01)**

Community Participation Research Targeting the Medically Underserved

Due date: 5/14/10

**Expiration date: 5/15/10**
**PAR-07-020 (R01)**

Understanding and Promoting Health Literacy (OBSSR)

Due date: 1/25/10

**Expiration date: 1/26/10**
**PAR-09-219 (R21)**

Exploratory Innovations in Biomedical Computational Science and Technology

Due date: Standard dates apply

**Expiration date: 9/8/12**
**PAR-09-160 (R21)**

Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities

Due dates: 6/23/10, 11/23/10, 6/23/11, 11/23/11

**Expiration date: 11/24/11**

### Program Announcements (PAs - R01s)

**PA-09-148 (R01)**

Studies of Energy Balance and Cancer in Humans (NCI)

Due date: Standard dates apply

**Expiration date: 5/8/12**
**PA-08-263 (R01)**

Health Services Research on the Prevention

And Treatment of Drug and Alcohol Abuse (NIDA, NIAAA)

Due date: Standard dates apply

**Expiration date: 1/8/12**
**PA-09-014 (R01)**

Contextual Approaches to Prevention of Unintended Pregnancy (NICHD)

Due date: Standard dates apply

**Expiration date: 1/8/12**
**PA-08-167 (R01)**

Secondary Analysis of Existing Alcohol Epidemiology Data (NIAAA)

Due date: Standard dates apply

**Expiration date: 9/8/11**

**PA-08-083 (R01)**

The Effect of Racial and Ethnic Discrimination/Bias on Health Care Delivery  
 Due date: Standard dates apply  
**Expiration date: 5/8/11**

**PA-07-422 (R01)**

Health Promotion among Racial and Ethnic Minority Males  
 Due date: Standard dates apply  
**Expiration date: 9/8/10**

**PA-07-394 (R01)**

Outcomes in Children with Mild to Severe Hearing Loss  
 Due date: Standard dates apply  
**Expiration date: 7/6/10**

**PA-09-190 (R01)**

Bioenergetics, Fatigability, and Activity Limitations In Aging  
 Due date: Standard dates apply  
**Expiration date: 9/8/12**

**PA-09-193 (R01)**

Mechanisms, Measurement, and Management of Pain In Aging: from Molecular to Clinical  
 Due date: Standard dates apply  
**Expiration date: 9/6/12**

**PA-07-218 (R01)**

Diet Composition and Energy Balance  
 Due date: Standard dates apply  
**Expiration date: 5/8/10**

**Program Announcements (PAs - R21s)**

**PA-09-047 (R21)**

Testing Tobacco Products Promoted to Reduce Harm  
 Due date: Standard dates apply  
**Expiration date: 5/8/12**

**PA-07-499 (R21)**

Epidemiology and Prevention in Alcohol Research  
 Due date: Standard dates apply  
**Expiration date: 2/17/11**

**PA-07-400 (R21)**

Young Children with Mild to Severe Hearing Loss  
 Due date: Standard dates apply  
**Expiration date: 10/17/10**

**PA-09-193 (R21)**

Mechanisms, Measurement, and Management of Pain In Aging: from Molecular to Clinical  
 Due date: Standard dates apply  
**Expiration date: 9/6/12**

**PA-08-078 (R01)**

Research on the Economics of Diet, Activity, and Energy Balance  
 Due date: Standard dates apply  
**Expiration date: 1/8/11**

**PA-07-413 (R01)**

Genetic epidemiology of Substance Use Disorders  
 Due date: Standard dates apply  
**Expiration date: 9/8/10**

**PA-09-243 (R01)**

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health  
 Due date: Standard dates apply  
**Expiration date: 9/8/12**

**PA-09-204 (R01)**

Development and Validation of Disease Biomarkers  
 Due date: Standard dates apply  
**Expiration date: 9/8/12**

**PA-08-099 (R01)**

Mechanisms of Functional Recovery After Stroke  
 Due date: Standard dates apply  
**Expiration date: 5/8/11**

**PA-08-193 (R21)**

Geographic and Contextual Influences on Energy Balance-Related Health Behaviors  
 Due date: Standard dates apply  
 Expiration date: 9/8/11

**PA-07-407 (R21)**

Screening and Brief Alcohol Interventions in Underage and Young Adult Populations  
 Due date: Standard dates apply  
**Expiration date: 7/17/10**

**PA-09-244 (R21)**

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health  
 Due date: Standard dates apply  
**Expiration date: 9/8/12**

**PA-08-100 (R21)**

Mechanisms of Functional Recovery After Stroke  
 Due date: Standard dates apply  
**Expiration date: 5/8/11**

## Funding Opportunities: Foundations

### **The Rockefeller Foundation:** <http://www.rockfound.org/grants/grants.shtml>

The Rockefeller Foundation seeks to promote the well-being of humanity by addressing the root causes of serious problems. They work to expand opportunities for poor or vulnerable people and to help ensure that globalization's benefits are more widely shared. They are one of the few institutions to conduct such work both within the United States and internationally.

The Foundation welcomes your ideas about how to do this most effectively. They seek high-impact ideas that have the potential to make a difference in the lives of large numbers of poor or vulnerable people and they require some results from such ideas to be measurable within three to five years.

The Foundation searches for ideas in many different ways: in reaching out to experts, innovators, non-governmental organizations and associations, interested individuals and public officials; in supporting competitions; and in new ways they are just beginning to test.

If you have an idea for consideration -- regardless of whether you (or your organization) expect to be involved in its implementation -- the Foundation encourages your contribution, and asks that you complete a form found at their website.

### **The John R. Oishei Foundation:** <http://www.oisheifdt.org>

Restrictions: Grant support is restricted to not-for-profit organizations and institutions operating in the greater Buffalo, New York area. **Priorities:** The Foundation is particularly interested in funding new directions in collaborative research by investigators who demonstrate that seed money from the Oishei Foundation will enable them to carry out interdisciplinary projects that will enhance scientific accomplishments in the Buffalo community. They are primarily interested in biomedical research, but will consider concept papers from other scientific disciplines. Although the Foundation expects most proposals to be submitted by established investigators, they are also interested in encouraging younger researchers (with appropriate senior oversight).

#### **Application Process:**

- a. An initial 2-3 page concept paper and budget must be submitted through the sponsoring organization's appropriate administrative office (usually Foundation Relations), which will forward it to the Oishei Foundation. Individual investigators are discouraged from approaching the Foundation.
- b. The Foundation, through its Medical Advisory Committee, will evaluate the concept paper and determine if an invitation to submit a full grant proposal will be extended.
- c. If the Foundation invites submission of a full grant application, the application should follow an **abbreviated** NIH format limited to 15 narrative pages including references, CV's of major personnel, and **limited** supplemental materials. In addition, a detailed budget, including justification of all major budget items and personnel will be required, as well as a listing of present and pending grant support. If the project has been previously submitted to NIH, reviewers' comments or a critique should be submitted with the proposal.
- d. The sponsoring institution will be required to submit a letter with the full grant proposal (not necessary at the concept stage) indicating that it supports the submission based on the institution's strategic priorities; that it will provide all necessary administrative support necessary to ensure appropriate use and distribution of Foundation funds; and that it is willing to waive any use of Foundation funding for such administrative support.
- e. Generally, review of concept papers and full proposals occurs during each calendar quarter. The entire process, from initial concept review to final approval of the full proposal may take up to six to eight months.

**Magnitude of Awards and Frequency of Requests:** The magnitude of individual awards will be determined on a case-by-case basis. The Foundation will not ordinarily fund a project for more than three years. Further, the Foundation will not ordinarily consider an application from an investigator already holding a Foundation grant. It is expected that investigators will use Foundation funding to leverage support from other sources to the extent necessary to successfully continue their research at the conclusion of the Oishei Foundation funding cycle.

## Robert Wood Johnson Foundation and Pew Charitable Trusts

[www.healthimpactproject.org](http://www.healthimpactproject.org)

Health Impact Project Advancing Smarter Policies for Healthier Communities – 2009-2010 Call for Proposals (CFP). Grants are awarded on a rolling basis; proposals may be submitted at any time.

The Johnson/Pew collaboration encourages the use of health impact assessment (HIA) to help decision-makers better assess proposed policies, projects and programs with respect to their impact on health, in order that they may avoid adverse health consequences and costs and improve health. The CFP will support organization that wish to undertake an HIA of a proposed policy, project or programmatic decision currently under consideration.

Grants range from \$25,000 to \$150,000 and must be completed within 24 months. The Health Impact Project will support up to 15 HIA demonstration projects intended to inform decisions on proposed local, tribal or state policies, projects or programs. It may also fund a limited number of HIAs that address a federal decision that impacts a specific state. Local community or region. Examples of issues ripe for HIA in the U.S. include but are not limited to: education programs and policies; social, economic and labor decisions.

There are two stages in the competitive proposal process: (1) applicant organizations submit a letter of interest that describes the project and; if invited, (2) select applicant organization will then submit a full proposal, budget, budget narrative and organizational documents for review. Please view the website for complete guidelines.

*Words to live by:* "The greatest discovery of my generation is that a human being can alter his life by altering his attitudes." -- William James



***Happy Thanksgiving from the  
RAS staff!***

Please email your comments and suggestions to Traci Jackson, Director, Research Administrative Services  
[jacksont@buffalo.edu](mailto:jacksont@buffalo.edu)