

Funding and Grantsmanship for Comparative Effectiveness and Patient-Centered Outcomes Research

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Topics to be Discussed

■ Funding Agencies

■ Federal

- National Institutes of Health, Agency for Healthcare Research and Quality

- Voluntary Health Organizations, Professional Societies, Foundations, Industry

■ Types of Awards

- Grants, Contracts, Cooperative agreements,

- e.g. Research grants, fellowships, career development awards

■ Funding Announcements

■ Identifying Sources of Support

■ Grantsmanship Helpful Hints

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U.S. Dept. of Health and Human Services

**Food and
Drug
Administration**

**Centers for
Medicare &
Medicaid Services**

**Centers for
Disease Control
and Prevention**

**Substance Abuse
and
Mental Health
Services
Administration**

**National
Institutes
of Health**

**Health Resources
and Services
Administration**

**Agency for
Healthcare Research
And
Quality**

**Agency for
Toxic Substances
and
Disease Registry**

Agency for Healthcare Research and Quality (AHRQ)

- Supports research designed to improve the quality, safety, efficiency, and effectiveness of health care.

- Comparative Effectiveness

- Prevention and Care Management
- Value
- Health Information Technology
- Patient Safety
- Innovations/Emerging Issues

AHRQ: Comparative Effectiveness

Comparing treatment options for different health conditions

Improve health care quality by providing patients and physicians with state-of-the-science information on which medical treatments work best for a given condition.

Provides comparisons of drugs, medical devices, tests, surgeries, or ways to deliver health care so that patients and their families understand what treatments work best and how their risks compare.

National Institutes of Health

National
Cancer
Institute

National
Eye
Institute

National Heart,
Lung,
& Blood Institute

National Human
Genome
Research Inst

National
Institute
on Aging

National Inst
of Alcohol
Abuse &
Alcoholism

National Inst
of Allergy &
Infectious
Diseases

National Inst of
Arthritis &
Musculoskeletal &
Skin Diseases

National Institute
of Child Health
& Human
Development

National Inst on
Deafness & other
Communication
Disorders

National Inst
of Dental &
Craniofacial
Research

National Institute
of Diabetes &
Digestive &
Kidney Diseases

National
Institute
on Drug
Abuse

National
Institute of
Environmental
Health Sciences

National
Institute of
General
Medical Sciences

National Inst of
Biomedical
Imaging and
Bioengineering

National
Institute of
Mental Health

National Inst of
Neurological
Dis and Stroke

National
Institute of
Nursing Research

National
Library
of Medicine

National Ctr for
Complementary
& Alt Medicine

National Inst on
Minority Health &
Health Disparities

National Ctr Adv
Translational
Sciences

John E. Fogarty
International
Center

Office
of the
Director

Center for
Scientific
Review

Center for
Information
Technology

NIH
Clinical
Center

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NIH Extramural Program

Mechanism	NIH Role
Grant	Patron (Assistance, encouragement)
Cooperative Agreement	Partner (Assistance but substantial program involvement)
Contract	Purchaser (Procurement)

Types of Awards

- Research grants
- Career development awards
- Training grants
- Individual fellowships
- Career transition awards
- Cooperative agreements
- Administrative supplements
- Institutional Clinical & Translational Science Award (CTSA)
- Contracts
- Loan Repayment Program

Not All Funding Opportunities are the Same

■ Different mission statements

- Career development (K's)
- Research project (R's)

■ Different funding

- Stipend/Salary
- Comprehensive research costs

■ Different time frames

- Not renewable: 5 years (K's), 3 years (F's), 2 years (T's)
- Renewable: 4years-5years (R01) each competitive period

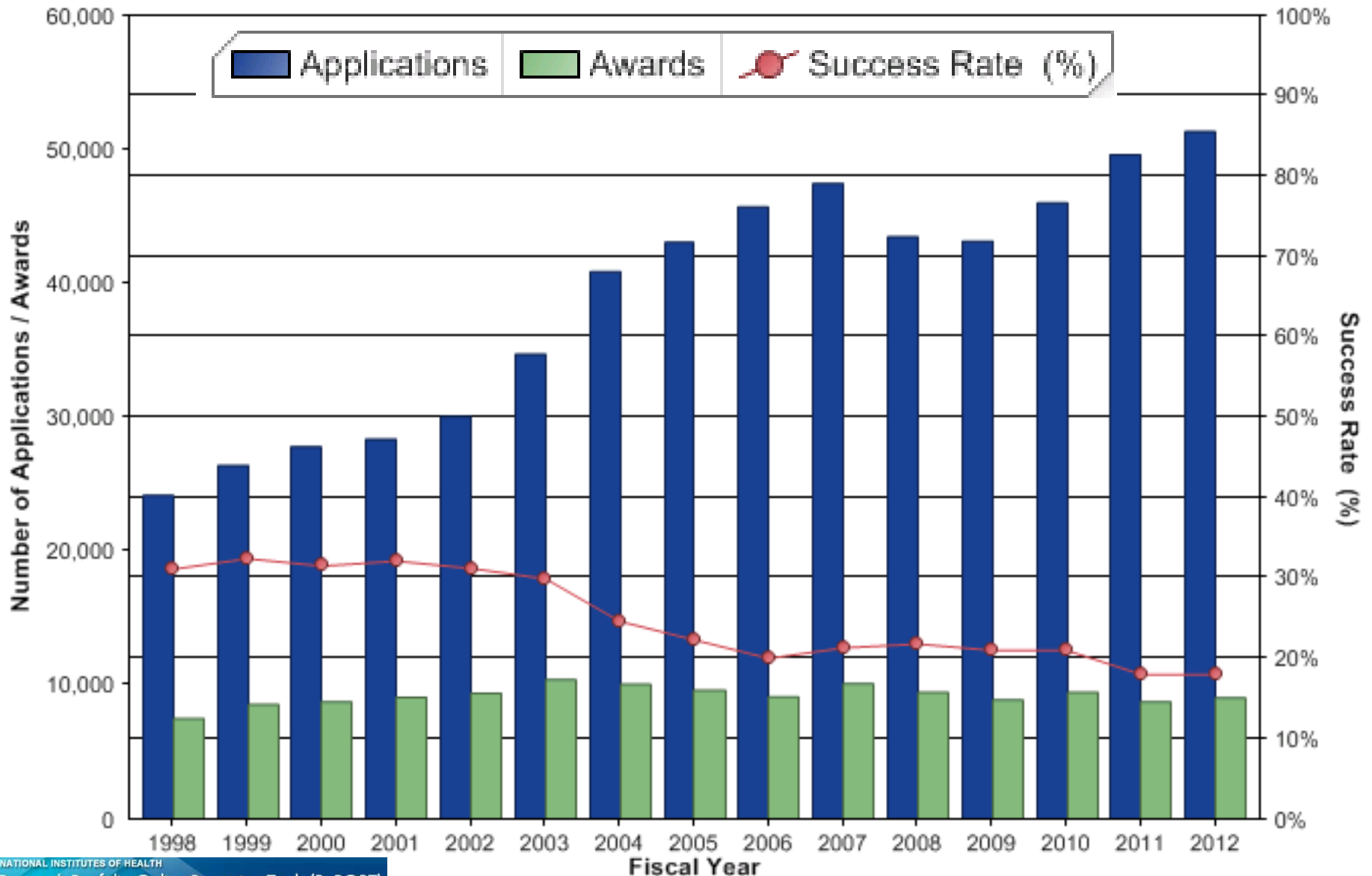
Types of Awards

Research Projects

(Traditional R01)

- To support a discrete, specified project related to the principal investigator's interests and competence. Most of the research that NIH supports is through this funding mechanism.

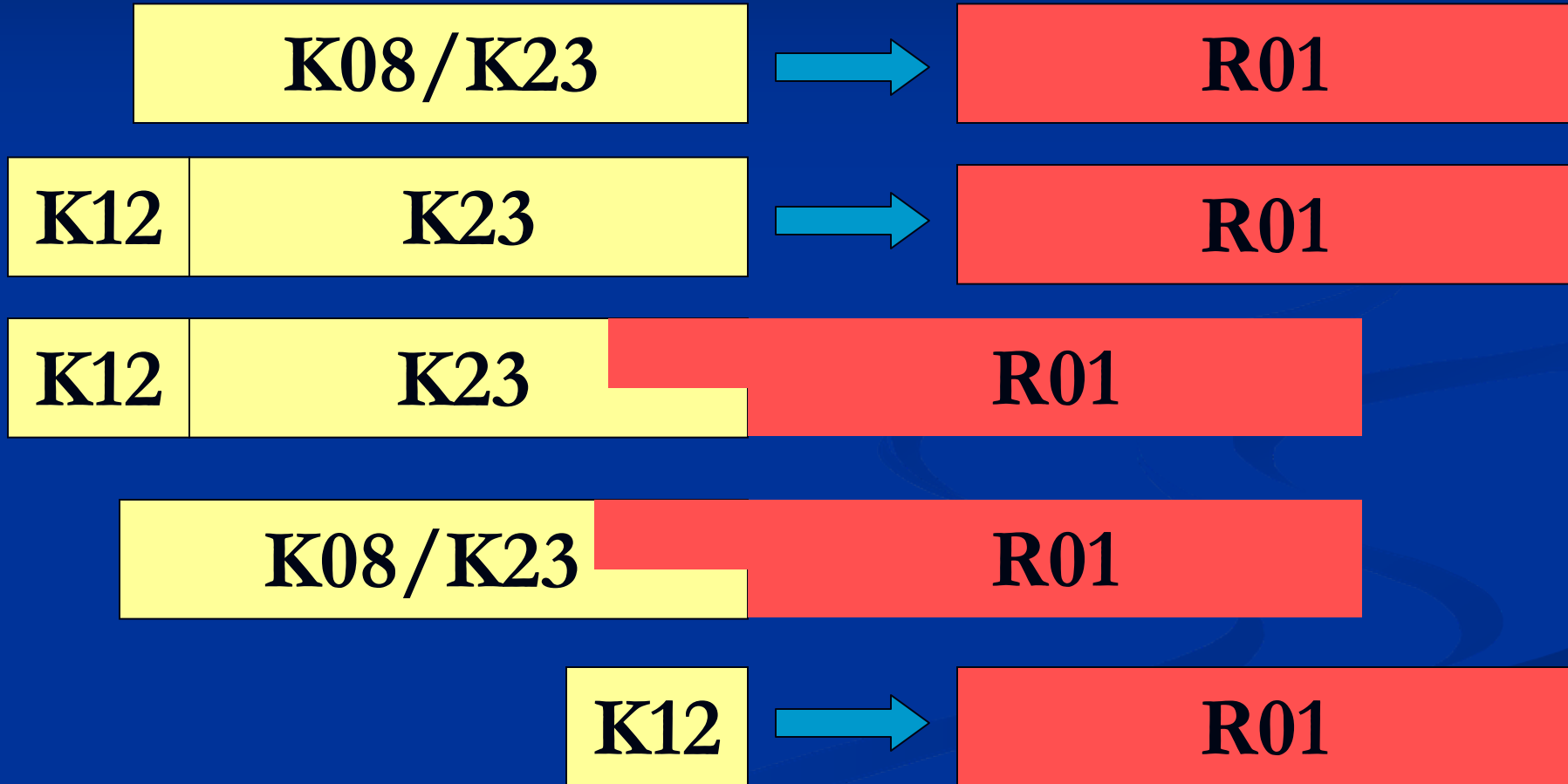
Research Project Grants: Applications, Awards, and Success Rates



Research Career Programs (K)

- Provides predominantly salary support
 - Specified salary levels (e.g. NIDDK: \$90K, NCI: \$100K)
- Minimum effort: e.g. 75%, (some exceptions to 50%)
Research and Career Development activities
- Up to 5 years
- US citizen/permanent resident
- Reduce effort to 50% in last 2 years if PI of NIH research grant

Career Development (K) Support to Research Grant (R01)



Mentored Clinical Scientist Development Award (K08)

- Support to develop outstanding independent clinician research scientists
- Basic and translational science

Mentored Patient-Oriented Research Career Development Award (K23)

- For investigators just after specialty training; not renewable;

Mid-Career Investigator In Patient-Oriented Research Career Development Award (K24)

- Support for clinicians to allow for time to devote to patient-oriented research and to mentor beginning clinical investigators;

■ **Patient-oriented research:**

- Research conducted with human subjects (or on material of human origin, i.e. tissues, specimens, and cognitive phenomena)
- Investigator directly interacts with human subjects

■ **Research areas:**

- (1) Mechanisms of human disease
- (2) Therapeutic interventions
- (3) Clinical trials
- (4) Development of new technologies

Mentored Research Scientist Development Award (K01)

Not all NIH Institutes participate in program

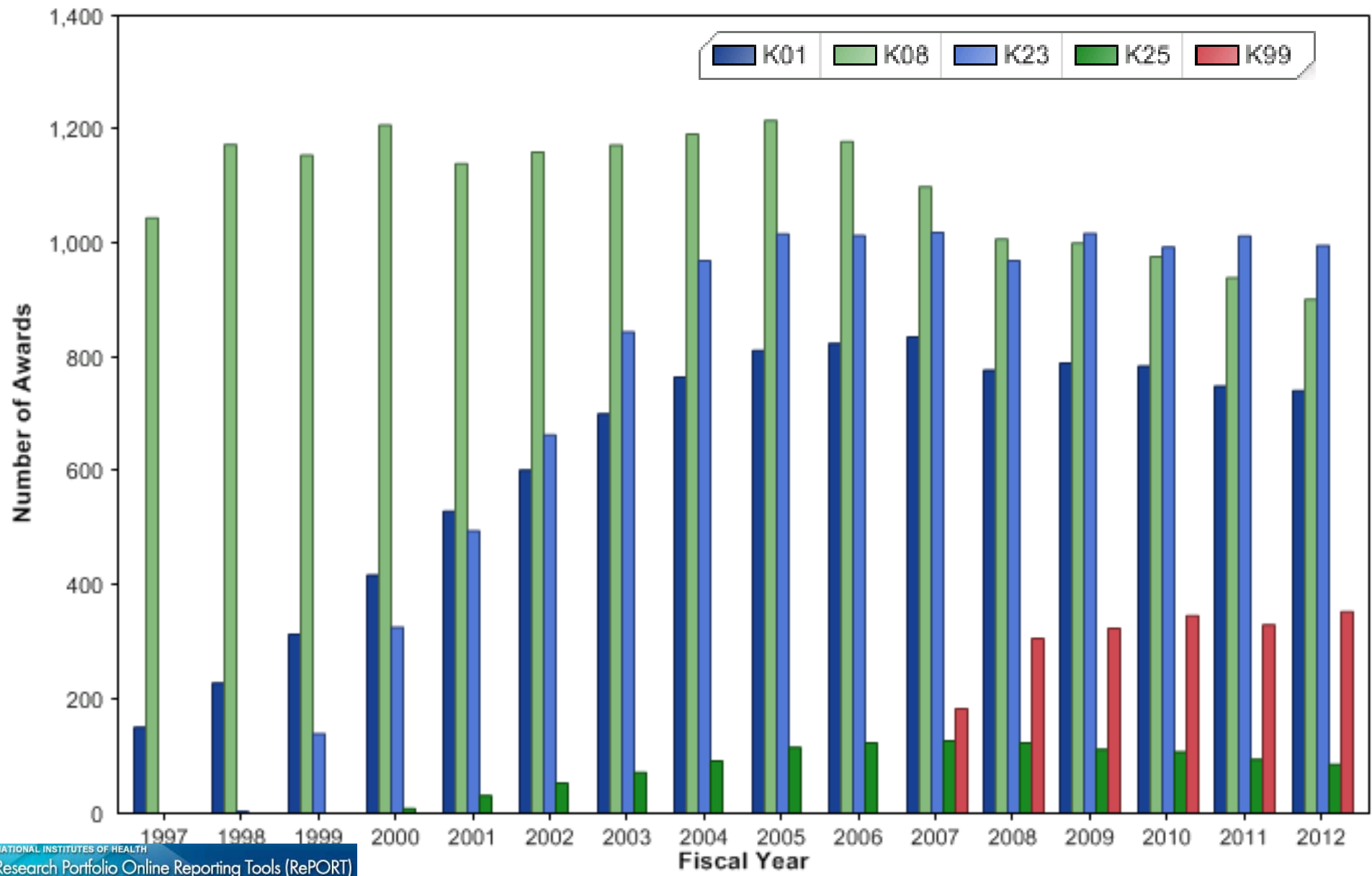
Participating Institutes may use for different purposes

- Train in a new field
- Specific research areas
- Hiatus in research career
- Increase research workforce diversity

Mentored Research Scientist Development Awards (K01)

- National Institute of Allergy and Infectious Diseases
(NIAID):
 - Outcomes Research
- National Heart, Lung, and Blood Institute
(NHLBI):
 - Comparative Effectiveness Research

Research Career Development Awards



- **AHRQ K08: Mentored Clinical Scientist Research Career Development Award**

- Quality,
- Safety,
- Efficiency, and
- Effectiveness of Health Care

- **AHRQ K18: Mentored Career Enhancement Award in Patient Centered Outcomes Research for Mid-Career and Senior Investigators**

- To prepare candidates to be independent investigators in Patient-Centered Outcomes Research (PCOR), by providing them the methodological skills required for comparative effectiveness research (CER)

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Patient-Centered Outcomes Research Institute (PCORI)

- Non-government agency, Created in 2010
- <http://www.pcori.org/>
- National Priorities for Research and Research Agenda
 - High-impact patient-centered outcomes research
 - PFA: PCORI Funding Announcements
- Accelerated Process to Targeted PFAs
 - “...questions solicited directly from patients and other stakeholders through our website, workshops, and roundtables...”

PCORI: National Priorities for Research and Research Agenda

- 1. Assessment of Prevention, Diagnosis, and Treatment Options - Projects that address critical decisions that patients, their caregivers and clinicians face with too little information
- 2. Improving Healthcare Systems - Projects that address critical decisions that face health care systems, the patients and caregivers who rely on them, and the clinicians who work within them

- 3. Communication and Dissemination Research - Projects that address critical elements in the communication and dissemination process among patients, their caregivers and clinicians
- 4. Addressing Disparities - Projects that will inform the choice of strategies to eliminate disparities
- 5. Accelerating Patient-Centered Outcomes Research and Methodological Research - Projects to improve the nation's underlying capacity to conduct patient-centered outcomes research rapidly, efficiently and consistently over time

Key Dates: PCORI Funding Announcements 1-4

Action	Cycle I	Cycle II	Cycle III
PFA Release Date	N/A	N/A	N/A
Online System Opening Date	May 15	September 17	January 15
Letter of Intent (LOI) Due Date	June 15	October 15	February 15
Informational Training Programs	July – August	October – November	February – March
Application Deadline	August 15	December 17	April 15
Merit Review Dates	September – November	January – March	May – July
Awards Announced	December/January	April/May	August/September
Earliest Start Date	January	May	September

**PCORI Funding Announcement 5 Only Accelerating Patient-Centered Outcomes
Research and Methodological Research**

Action	Inaugural Cycle*	Cycle I (2013)	Cycle II (2013)
PFA Release Date	November 16, 2012	N/A	N/A
Online System Opening Date	December 17, 2012	May 15, 2013	September 17, 2013
Letter of Intent (LOI) Due Date	January 15, 2013	June 15, 2013	October 15, 2013
Informational Webinars (Specific dates to be posted on pcori.org .)	January – February, 2013	July – August, 2013	October – November 2013
Application Deadline	March 13, 2013	August 15, 2013	December 17, 2013
Merit Review Dates	March – May, 2013	September – November 2013	January – March, 2014
Awards Announced	May/June, 2013	December/January 2013-2014	April/May 2014
Earliest Start Date	June 2013	January 2014	May 2014

Funding Available for PCORI Funding Announcement

		Cycle I	Cycle II	Cycle III
1. Assessment of Prevention, Diagnosis, and Treatment Options	Funds Available Up To:	\$48 Million	\$48 Million	\$48 Million
	Total Direct Costs Per Year:	\$500,000	\$500,000	\$500,000
	Maximum Project Period	3 Years	3 Years	3 Years
2. Improving Healthcare Systems	Funds Available Up To:	\$24 Million	\$24 Million	\$24 Million
	Total Direct Costs Per Year:	\$500,000	\$500,000	\$500,000
	Maximum Project Period	3 Years	3 Years	3 Years

3. Communication and Dissemination Research	Funds Available Up To:	\$12 Million	\$12 Million	\$12 Million
	Total Direct Costs Per Year:	\$500,000	\$500,000	\$500,000
	Maximum Project Period	3 Years	3 Years	3 Years
4. Addressing Disparities	Funds Available Up To:	\$12 Million	\$12 Million	\$12 Million
	Total Direct Costs Per Year:	\$500,000	\$500,000	\$500,000
	Maximum Project Period	3 Years	3 Years	3 Years
5. Accelerating Patient-Centered Outcomes Research and Methodological Research				Inaugural Cycle
	Funds Available Up To:	TBD	TBD	\$12 Million
	Total Direct Costs Per Year:	TBD	TBD	\$250,000
	Maximum Project Period	TBD	TBD	3 Years

PCORI: Accelerated Process to Targeted PFAs

- Treatment Options for Uterine Fibroids
- Treatment Options for Severe Asthma in African-Americans and Hispanics/Latinos
- Preventing Injuries from Falls in the Elderly
- Treatment Options for Back Pain
- Obesity Treatment Options in Diverse Populations

American Heart Association

Mentored Clinical and Population Research Award

- Early career investigators
- Proposals are encouraged on “...behavioral outcomes, risk factor outcomes, disease outcomes, cost benefit analyses, efforts to evaluate outcomes of patient care delivery...”
- Founders Affiliate: \$75,000/year for two years
- National: \$77,000/year for two years

PhRMA Foundation

- “...owes its success to the pharmaceutical companies that have provided their generous support...”
- “...to support young scientists in disciplines important to the pharmaceutical industry by awarding them competitive research fellowships and grants...”
- <http://www.phrmafoundation.org/>
- Adherence, [Health Outcomes](#), Informatics, Pharmacology/ Toxicology, Pharmaceuticals, Pharmaceuticals

PhRMA Foundation - Health Outcomes

Burden of Disease

Comparative Effectiveness
Analysis

Compliance/Adherence

Cost Consequences Analysis

Cost-Benefit Analysis

Cost-Effectiveness Analysis

Cost Utility Analysis

Health Outcomes Research

Health Related Quality of Life

Health Services Research

Patient Satisfaction

Patient Preferences

Pharmacoeconomics

Patient Reported Outcomes

Psychometric Evaluation of
Questionnaires Research
Methods

Symptom Measures

Tolerability

PhRMA Foundation - Health Outcomes

■ Pre-Doctoral Fellowships

- Advanced Ph.D. candidates, stipend of \$25,000 per year for a maximum of two years

■ Post-Doctoral Fellowships

- \$55,000 annual stipend (for up to 2 years) to graduates of from PharmD., M.D., and Ph.D. programs

PhRMA Foundation - Health Outcomes

■ Research Starter Grants

- Instructor or assistant professor (or equivalent)
- Funding for salary, technical assistance, equipment, and travel

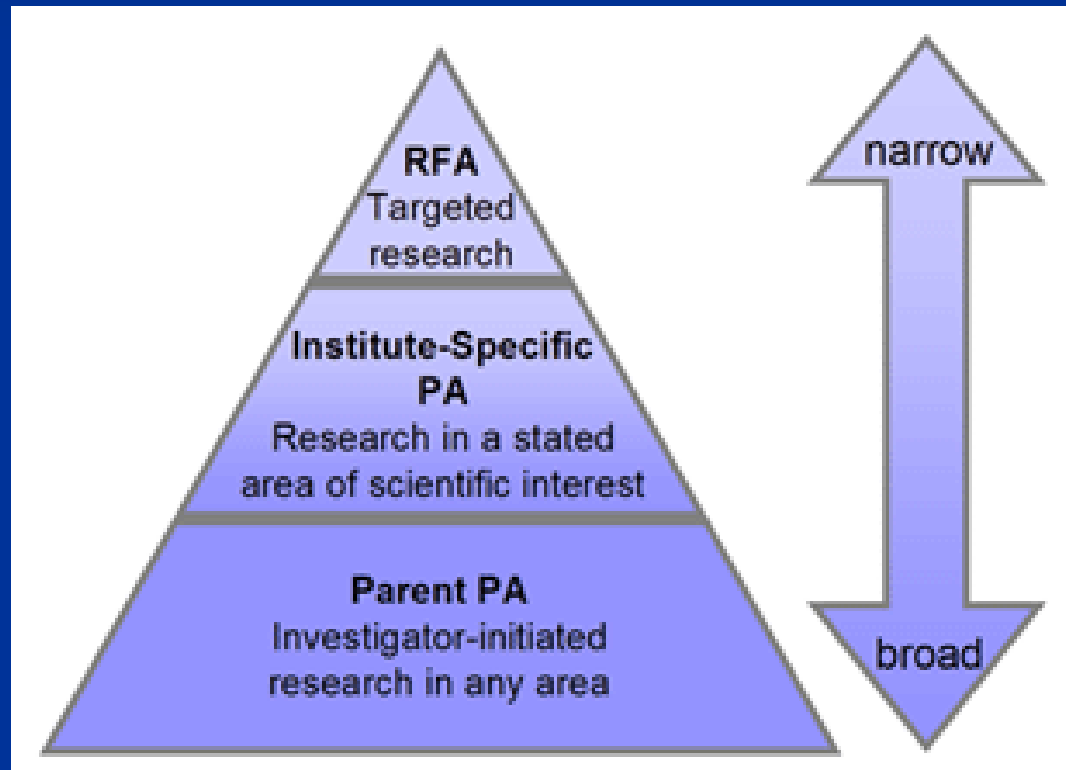
■ Sabbatical Fellowships

- \$40,000 stipend (6 mo-1 yr) for mid-career scientists to learn new skills and develop new collaborations in health outcomes research and training

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NIH/AHRQ Funding Announcements



Funding Opportunity Announcement (FOA)

■ FOA Mechanism

- Published in the [NIH Guide for Grants and Contracts](#) (RFAs, PAs) and [Grants.gov](#)
- <http://grants.nih.gov/grants/guide/index.html>
- [Grants.gov](#) notice includes application information and forms

Parent Announcement

- Funding Opportunity Announcement for unsolicited investigator-initiated grant applications (e.g. R01)
 - Allows electronic submission of grant applications that are not in response to specific Program Announcement or RFA.
 - Published in the NIH Guide for Grants and Contracts and Grants.gov
 - Grants.gov notice includes application information and forms
 - http://grants.nih.gov/grants/guide/parent_announcements.htm

Program Announcement (PA)

- No set-aside of funds
- Describes existence of an NIH extramural research program
- May describe new or expanded interest in a particular extramural program
- May be a reminder of a continuing interest in an extramural program
- Applications reviewed at Center for Scientific Review (CSR) not the Institute
- Published in the NIH Guide for Grants and Contracts and Grants.gov

Program Announcement (PAR)

- PAR Mechanism

- Grant applications are reviewed at the Institute and not the Center for Scientific Review (CSR)
- Usually some applications are funded

Program Announcement (PAS)

■ PAS Mechanism

- Program Announcement with dedicated funding
 - “Set aside funds”
- Funds applications that may receive a score below the payline
- Research area coincides with programmatic interests of Institute
- Funds allocated throughout duration of the PAS

Request For Applications (RFA)

- Formal announcement describing an institute initiative in a well-defined scientific area
- Invitation to the field to submit research grant or cooperative agreement applications for a one-time competition
- Set-aside of funds for a certain number of awards
- Published in the NIH Guide for Grants and Contracts and Grants.gov

Request For Proposals (RFP)

- Formal announcement describing an institute initiative in a well-defined scientific area
- Invitation to the field to submit contract applications for a one-time competition
- Set-aside of funds for a certain number of awards
- Published in FedBizOpps

Request For Applications (RFA)

- Research on Comparative Effectiveness and Implementation of HIV/AIDS and Alcohol Interventions (NIAAA) (deadline: May 29, 2013)
 - R01: RFA-AA-13-003, 4 awards, \$2.5 million in total costs for fiscal year 2013
 - R21: RFA-AA-13-004, 2-3 awards, \$0.5 million in total costs for fiscal year 2013

Request For Applications (RFA)

- International Traumatic Brain Injury Research Initiative: NIH Cooperative Program for Comparative Effectiveness of Clinical Tools and Therapies (U01)
 - RFA-NS-13-008
 - Deadline: April 1, 2013
 - Neurological Disorders and Stroke (NINDS)
 - \$3.3 million to support co-funding of 1 award (FY2013)
 - Biomedical Imaging and Bioengineering (NIBIB)
 - \$250,000 to support co-funding of 1 award (FY2013)
 - Deafness and Other Communication Disorders (NIDCD)
 - \$200,000 to support co-funding of 1 award (FY2013)

Program Announcement (PA)

- Disorders of Human Communication: Effectiveness, Outcomes and Health Services Research
 - National Institute on Deafness and Other Communication Disorders (NIDCD)
 - R01: PA-13-102
 - R21: PA-13-103
 - Application Due Date(s): Standard dates
 - The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications

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How to Find Funding Opportunities

- Networking
- Speak to colleagues who are in a similar field
- Speak to colleagues who have been on governmental or private agency review panels
- Speak to colleagues who are on (advisory) boards of private agencies

Web Resources

- SPIN funding database
 - <https://www.infoed.columbia.edu/>
 - SMARTS e-mail alert module
- GrantsNet
 - Funding database for junior investigators
 - Funding news e-mail alerts
 - <http://sciencecareers.sciencemag.org/funding>
- National Institutes of Health
 - <http://grantscourse.columbia.edu/nih.htm>

■ Grants.gov

- Database and application system for Federal grants
- <http://www.Grants.gov/>

■ FedBizOpps (Federal Business Opportunities)

- Single point-of-entry for Federal contracts
- <http://www.FedBizOpps.gov/>

■ Tips for Writing Grant Applications

- <http://grantscourse.columbia.edu/writing.htm>

Other Sources of Information

- Sponsor publications which describe research interests (e.g. newsletters, annual reports)
- Sponsor e-mail alert modules
 - NIH
 - “List of Lists”: <https://list.nih.gov/>
 - *NIH Guide*: <https://list.nih.gov/archives/nihtoc-l.html>
 - “NIAID-EMAIL ALERTS” Profile:
<http://visitor.constantcontact.com/optin.jsp?edit=t&m=1100850163367&t=1101202977468&ca=ist9%40columbia.edu&lang=en>

The Foundation Center

The Foundation Directory Online

Searchable database (fee) of approx 80,000 foundations and their tax statements (990's)

Access via Columbia University ("free")

<http://www.columbia.edu/cgi-bin/cul/resolve?clio3328966>

79 Fifth Avenue (at 16th St.)

New York, NY 10003-3076

Tel: (212) 620-4230

Fax: (212) 691-1828

<http://foundationcenter.org/>

<http://foundationcenter.org/newyork/>

Home

» Home

Login

SPIN

GENIUS

Welcome to the InfoEd eRA Portal for Electronic Grants Administration

**InfoEd is the leading provider of software solutions
for managing sponsored programs.**

<https://www.infoed.columbia.edu/>

SPIN

Sponsored Programs Information Network

- Database of funding opportunities
- National and international government and private funding agencies
- Research grants, fellowships, career development, etc.
- Searchable fields
 - Keywords
 - Applicant type (e.g. Postdoctoral, Young Investigator)
 - Award Types (e.g. Equipment, Fellowship)
 - Sponsor Type (e.g. Foundations, Voluntary Health Organization)

SPIN

Sponsored Programs Information Network

Search **SPIN** for [Advanced Search](#)

Database United States	Search <input checked="" type="radio"/> Full Program <input type="radio"/> Titles Only <input type="radio"/> Sponsor Program No.	Results <input checked="" type="radio"/> 50 <input type="radio"/> All	Match <input checked="" type="radio"/> All Words <input type="radio"/> Any Words <input type="radio"/> Exact Phrase
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SPIN Today
[Federal Register](#)
[FedBizOpps/CBD](#)

This Week
[New Funding Opportunities](#)
[Program Changes](#)

Help
[Keyword Thesaurus](#)

And
Or
Not

- Keywords (list 1)**
 - Medical Outcomes
 - Comparative Effectiveness Research

- Keywords (list 2)**
 - Applicant Types
 - Award Types
 - Citizenship
 - Geographic Restrictions
 - Locations Tenable

Target Groups

SMARTS

SPIN Matching and Research Transmittal Service



eRA Portal

Streamlining Electronic Research Administration

     
[Back](#) [Save](#) [Log Out](#) [Help](#) [New Portal](#) [Support](#)

[Find Funding](#) > [SMARTS](#) > [Preferences](#)

- Automated daily e-mail alert system
- Reports of relevant funding opportunities from SPIN database based on investigator-selected keywords

<http://spa.columbia.edu/funding/search-funding-spin>

NIH RePORTER: Grants Database

SUBMIT QUERY **CLEAR QUERY**

NIH (non) ARRA Selection: **SELECT**

Text Search (Logic):

And Or Advanced

Search In: Projects Publications Projects & Publications

Limit Publication search to: Project Title Project Terms Project Abstracts

Start Year: End Year:

Project Number:
Format: 5R01CA012345-04
Use '%' for wildcard, e.g. %R21%
[Enter multiple project numbers](#)

OR

Principal Investigator (PI) / Project Leader:

Organization: **LOOKUP**

Please enter at least 3 characters to use Lookup.
 Contains Begins with Exact

DUNS Number:

Department: **SELECT**

Educational Institution Type: **SELECT**

State: **SELECT**

Fiscal Year (FY): **SELECT**
Current FY is 2013

NIH Spending Category: **SELECT**

Agency/Institute/Center: **SELECT**

Funding Mechanism: **SELECT**

Award Type: **SELECT**

Activity Code: **SELECT**

Exclude Subprojects:

Multi-PI Only:

Study Section: **SELECT**
Standing CSR study sections only

FOA:
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: >
Format: mm/dd/yyyy

Newly Added Projects Only:

1	R01	HS019853	01	WASHINGTON HEIGHTS INITIATIVE COMMUNITY-BASED COMPARATIVE EFFECTIVENESS RESEARCH	BAKKEN, SUZANNE	COLUMBIA UNIVERSITY HEALTH SCIENCES
1	R01	HS019384	01	COMPARATIVE EFFECTIVENESS OF ENVIRONMENTAL INTERVENTION AND STANDARD CARE IN ABIL	DIMANGO, EMILY	COLUMBIA UNIVERSITY HEALTH SCIENCES
1	R03	HS021549	01	DETERMINING A LEARNING CURVE FOR COMPLEX LAPAROSCOPIC GASTROINTESTINAL SURGERY	FOWLER, DENNIS LEE	COLUMBIA UNIVERSITY HEALTH SCIENCES
1	R01	HS021470	01	KEEP IT CLEAN FOR KIDS: THE KICK PROJECT	LARSON, ELAINE LUCILLE	COLUMBIA UNIVERSITY HEALTH SCIENCES
5	R13	HS020543	02	BUILDING TOWARD ICD-11. IMPROVING THE CODING OF QUALITY AND PATIENT SAFETY DATA	PINCUS, HAROLD A.	COLUMBIA UNIVERSITY HEALTH SCIENCES
5	R03	HS020999	02	VALIDATION OF NURSE PRACTITIONER PRIMARY CARE ORGANIZATIONAL CLIMATE QUESTIONNAIR	POGHOSYAN, LUSINE	COLUMBIA UNIVERSITY HEALTH SCIENCES
1	R36	HS021709	01	HOSPITAL AND COUNTY-LEVEL PREDICTORS OF IMMEDIATE BREAST RECONSTRUCTION POST-MAST	RICHARDS, CATHERINE ANN	COLUMBIA UNIVERSITY HEALTH SCIENCES
5	R18	HS018158	03	FLU ALERT: INFLUENZA VACCINE ALERTS FOR PROVIDERS IN THE ELECTRONIC HEALTH RECORD	STOCKWELL, MELISSA S	COLUMBIA UNIVERSITY HEALTH SCIENCES
1	R36	HS021393	01	USER INTERFACES FOR COMMUNICATING INPATIENT MEDICATION THERAPIES	WILCOX, LAUREN GABRIELLE	COLUMBIA UNIV NEW YORK MORNINGSIDE

NIH: Funding for Various Research, Condition, and Disease Categories (RCDC)

<u>Research/Disease Areas</u> <u>(Dollars in millions and</u> <u>rounded)</u>	<u>FY 2008</u> <u>Actual</u>	<u>FY 2009</u> <u>Actual</u> (Non-ARRA)	<u>FY 2009</u> <u>Actual</u> (ARRA)10/	<u>FY 2010</u> <u>Actual</u> (Non-ARRA)	<u>FY 2010</u> <u>Actual</u> (ARRA) 10/	<u>FY 2011</u> <u>Actual</u>	<u>FY 2012</u> <u>Estimated</u>	<u>FY 2013</u> <u>Estimated</u>
Comparative Effectiveness Research	±	<u>\$194</u>	<u>\$246</u>	<u>\$558</u>	<u>\$320</u>	<u>\$517</u>	\$511	\$511

Total Number of Research/Disease Areas: 233

NIMH	5R29MH084786-04	Treating Children with Trauma: An Evidence Based Curriculum	SHEAR, M KATHERINE	COLUMBIA UNIV NEW YORK MORNINGSIDE
NIMH	5R01MH080689-05	Using Multimedia Technologies to Disseminate an HIV Prevention Intervention	WITTE, SUSAN	COLUMBIA UNIV NEW YORK MORNINGSIDE
NIDA	5R01DA025873-04	Multimedia HIV/STI Prevention for Drug-Involved Female Offenders	EL-BASSEL, NABILA	COLUMBIA UNIV NEW YORK MORNINGSIDE
NICHD	1R01HD070727-01	Bridges to the Future: Economic Empowerment for AIDS Orphaned Children in Uganda	SSEWAMALA, FRED	COLUMBIA UNIV NEW YORK MORNINGSIDE
NIDA	5K02DA023200-04	Bridging Efficacy and Effectiveness in Drug Abuse Treatment	BLANCO, CARLOS	COLUMBIA UNIVERSITY HEALTH SCIENCES
NINR	5R01NR010107-05	Prevention of Nosocomial Infections and Cost-Effectiveness Refined (P-NICER)	STONE, PATRICIA	COLUMBIA UNIVERSITY HEALTH SCIENCES
NINR	5R01NR010821-04	Improving Antimicrobial Prescribing Practices in the Neonatal Intensive Care Unit	SAIMAN, LISA	COLUMBIA UNIVERSITY HEALTH SCIENCES
NIDA	5K24DA022412-05	Drug Abuse Treatment Development and Research Mentoring	MUNES, EDWARD	COLUMBIA UNIVERSITY HEALTH SCIENCES
NHLBI	1R01HL107475-01	Comparative effectiveness analysis of treat-to-target and risk-based blood pressu	MORAN, ANDREW	COLUMBIA UNIVERSITY HEALTH SCIENCES
NIDDK	5U01DK066667-09	Bariatric Surgery: Outcomes & Impact on Pathophysiology	BERK, PAUL	COLUMBIA UNIVERSITY HEALTH SCIENCES
NIMH	5R01MH081107-04	2/2-A Comparison of Long-Acting Injectable Medications for Schizophrenia -ACLAIMS	STROUP, THOMAS	COLUMBIA UNIVERSITY HEALTH SCIENCES
NIDDK	5U01DK066248-10	Adult to Adult Living Donor Liver Transplantation Cohort Study	EMOND, JEAN	COLUMBIA UNIVERSITY HEALTH SCIENCES
NHLBI	5R25HL105401-02	FIRST in GER (Facilitating Independence in Research through Summer Training in Co	BEGG, MELISSA	COLUMBIA UNIVERSITY HEALTH SCIENCES
RMAP	1R21HD071561-01	Reducing Health Systems Costs through a Patient-activation RCT	MUENNIG, PETER	COLUMBIA UNIVERSITY HEALTH SCIENCES
NICHD	2Z5R01100067041-0-1	CCTN - CONTRACEPTIVE CLINICAL TRIALS NETWORK - CORE - FEMALE	WESTHOFF, CAROLYN	COLUMBIA UNIVERSITY HEALTH SCIENCES
NICHD	3U01HD042823-05E4	Traumatic Brain Injury Clinical Trials Network-DCC	FRIEDEWALD, WILLIAM	COLUMBIA UNIVERSITY HEALTH SCIENCES
NICHD	3U01HD042823-05E5	Traumatic Brain Injury Clinical Trials Network-DCC	FRIEDEWALD, WILLIAM	COLUMBIA UNIVERSITY HEALTH SCIENCES

Topics to be Discussed

- Funding Agencies
 - Federal
 - National Institutes of Health, Agency for Healthcare Research and Quality
 - Voluntary Health Organizations, Professional Societies, Foundations, Industry
- Types of Awards
 - Grants, Contracts, Cooperative agreements,
 - e.g. Research grants, fellowships, career development awards
- Funding Announcements
- Identifying Sources of Support
- Grantsmanship Helpful Hints

When Preparing an Application:

- Read instructions
- Never assume that reviewers “will know what you mean”
- Refer to literature thoroughly and thoughtfully
- Explicitly state the rationale of the proposed investigation
- Include well-designed tables and figures
- Present an organized, lucid write-up

Elements of a Good Proposal

- Feasible
- Relevant
- Unique
- Innovative
 - Clear
 - Brief
- Consistent

Common Problems with Grant Applications from New Investigators

- Overly ambitious
- Not independent of previous mentor's research
- Fishing expedition
- Not hypothesis driven
- Descriptive, not mechanistic project
- Unfocussed
- No or insufficient preliminary data
- Unrealistic budget
- Methodologies beyond the expertise of investigator or research team

Good Luck!