



# AACN Doctoral Education Conference

Federal Funding Update

January 22, 2016



Marguerite Littleton Kearney, PhD, RN, FAAN

Director, Division of Extramural Science Programs



# PI Nightmares



Marguerite Littleton Kearney, PhD, RN, FAAN



# NINR Mission

**Enhance nursing science to improve the health care outcomes of individuals, families, communities and populations**

**by:**

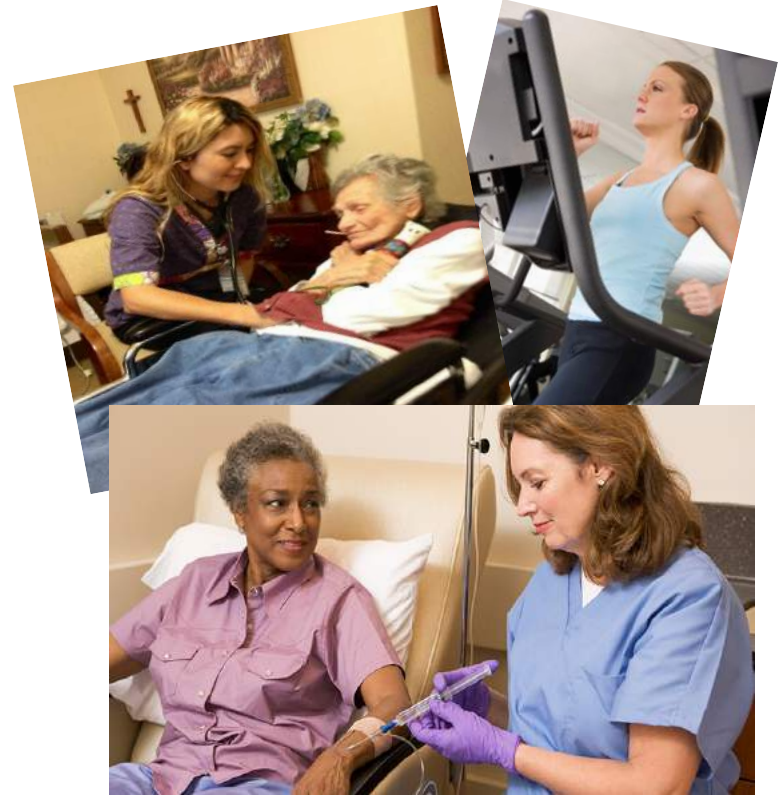
- integrating the biological sciences into health care
- applying new technologies to healthcare
- promoting health equity in healthcare
- developing scientists of the future



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# Thematic Areas: Key Elements of Strategic Plan

- Symptom Science
- Wellness
- Self-Management
- End-of-Life and Palliative Care
- Training of Future Scientists



# Focus of Studies Supported by NINR

- Building the scientific foundation for clinical practice
- Preventing disease and disability
- Managing and eliminating symptoms caused by illness
- Improving palliative and end-of life care
- Pre and Post-Doctoral training



# Shaping the Future of Nursing Science

## Innovative Questions

*Pointing the Way Forward for Nursing Science*

- Designed to engage NINR stakeholders
- Goal to guide on future research directions in nursing science relative to health outcomes and quality of life
- Resulted in development of lists of creative, results-oriented questions

[www.ninr.nih.gov/IQ](http://www.ninr.nih.gov/IQ)

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# Overview

- Mission and Strategic Plan
- **Research and Funding Opportunities**
- Training Opportunities



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# Applying for Research Funding



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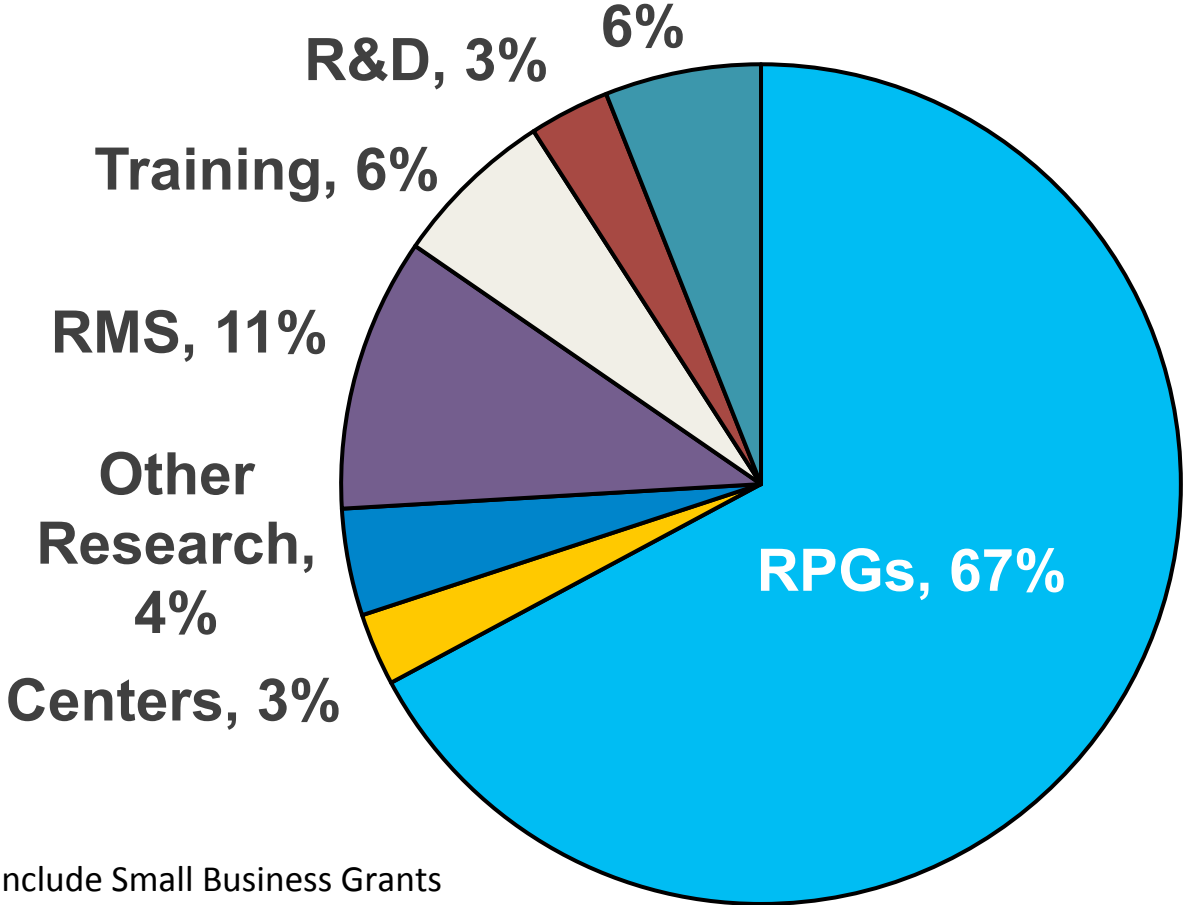
# Research and Funding

## Funding Mechanisms Supported by NINR

- R01 - Research Project Grants
- R15 - Academic Research Enhancement
- R21 - Exploratory/Developmental Grant
- P20 - Exploratory Centers
- P30 - Centers of Excellence
- R41, R42, R43, R44 - Small Business

# Budget Update

## FY 2015 Actual Obligations



# Research and Funding: ESI and NI

- Early Stage Investigator (ESI)
  - NI within 10 years of terminal research degree completion
  - R01 applications only
- New Investigator (NI)-no substantial NIH funding
- NI/ESI applications clustered for review

# Research and Funding

## NINR Program Directors

**Contact NINR Program Directors for topics including:**

- Ideas for research proposals
  - Fit with the NINR mission
- Questions regarding FOAs
- Guidance with application preparation
- Questions regarding Inclusion Management System
- Issues regarding your funded application
- Data Safety Monitoring Plans/Boards
- General concerns/comments



# Research Funding Opportunities

## Selected Funding Opportunities – Symptom Science & Wellness

<b>Symptom Science</b>	<b>Expiration Date</b>
<b>Personalized Strategies to Manage Symptoms of Chronic Illness (R01, R15, R21)</b>	<b>1/08/2019</b>
<b>Innovative Questions in Symptom Science and Genomics (R01, R15, R21)</b>	<b>1/08/2019</b>
<b>Applying Metabolomics to Drive Biomarker Discovery in Symptom Science (R01, R21)</b>	<b>1/08/2019</b>
<b>Wellness</b>	<b>Expiration Date</b>
<b>Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents (R01, R21)</b>	<b>5/08/2017</b>
<b>Prevention Research in Mid-life Adults (R01, R21)</b>	<b>5/08/2018</b>

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

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# Research Funding Opportunities

## Selected Funding Opportunities – Self-Management & EOL PC

<b>Self-Management</b>	<b>Expiration Date</b>
<b>Promoting Caregiver Health Using Self-Management (R01)</b>	<b>3/04/2016</b>
<b>Family-Centered Self-Management of Chronic Conditions (R01, R21)</b>	<b>5/08/2017</b>
<b>Obesity and Asthma: Awareness and Self- Management (R01)</b>	<b>9/08/2017</b>
<b>End-of-Life and Palliative Care</b>	<b>Expiration Date</b>
<b>Building Evidence: Effective Palliative/End of Life Care Interventions (R01)</b>	<b>6/10/2016</b>
<b>Advancing the Science of Geriatric Palliative Care (R01, R21)</b>	<b>1/08/2017</b>
<b>Arts-Based Approaches in Palliative Care for Symptom Management (R01)</b>	<b>9/08/2017</b>
<b>End-of-Life and Palliative Needs of Adolescents and Young Adults (AYA) with Serious Illnesses (R01, R21)</b>	<b>1/08/2019</b>

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

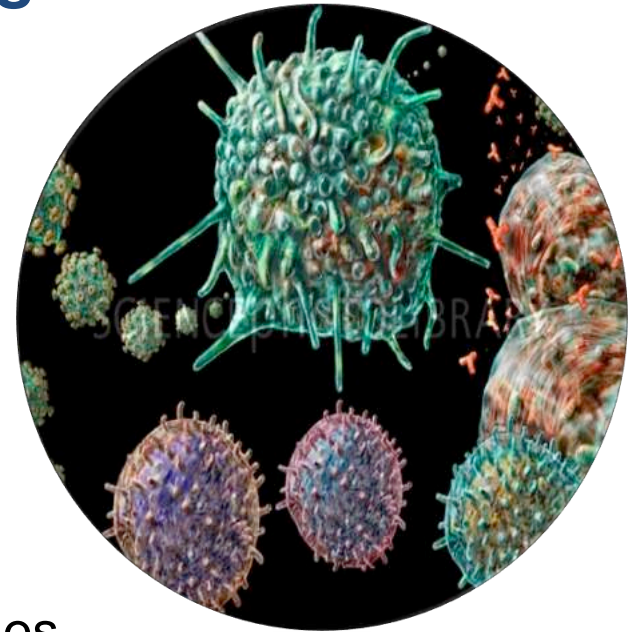
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# NIH HIV/AIDS Research Priorities

## NIH Announces HIV/AIDS Research Priorities for Next 3-5 Years

### High Priority Research Areas

- Reducing Incidence of HIV/AIDS
- Next Generation of HIV Therapies
- Research Toward a Cure
- HIV-Associated Co-morbidities
- Basic Research
- Reducing HIV/AIDS-related Health Disparities
- Research Training



<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-137.html>

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## NIH Common Fund Opportunities

- Highly innovative
  - Cross-cutting
  - Transformative
  - Catalytic
  - Emphasis on innovation
- 
- <http://commonfund.nih.gov/newinnovator/>

# HHS Research News. Rigor and Reproducibility

- Scientific premise
  - Description of general strengths & weaknesses
  - Attention to rigor of previous designs
- Scientific rigor-strict application of scientific method
- Biological variables
  - Sex
  - Weight
  - Age
  - Underlying health conditions
- Key biological and/or chemical resources
  - cell lines
  - specialty chemicals
  - antibodies

# Changes in Application Forms

- Rigor and Transparency
- Vertebrate animals
- Definition of child
- Data safety monitoring plans

# Changes in Definition of Clinical Trials

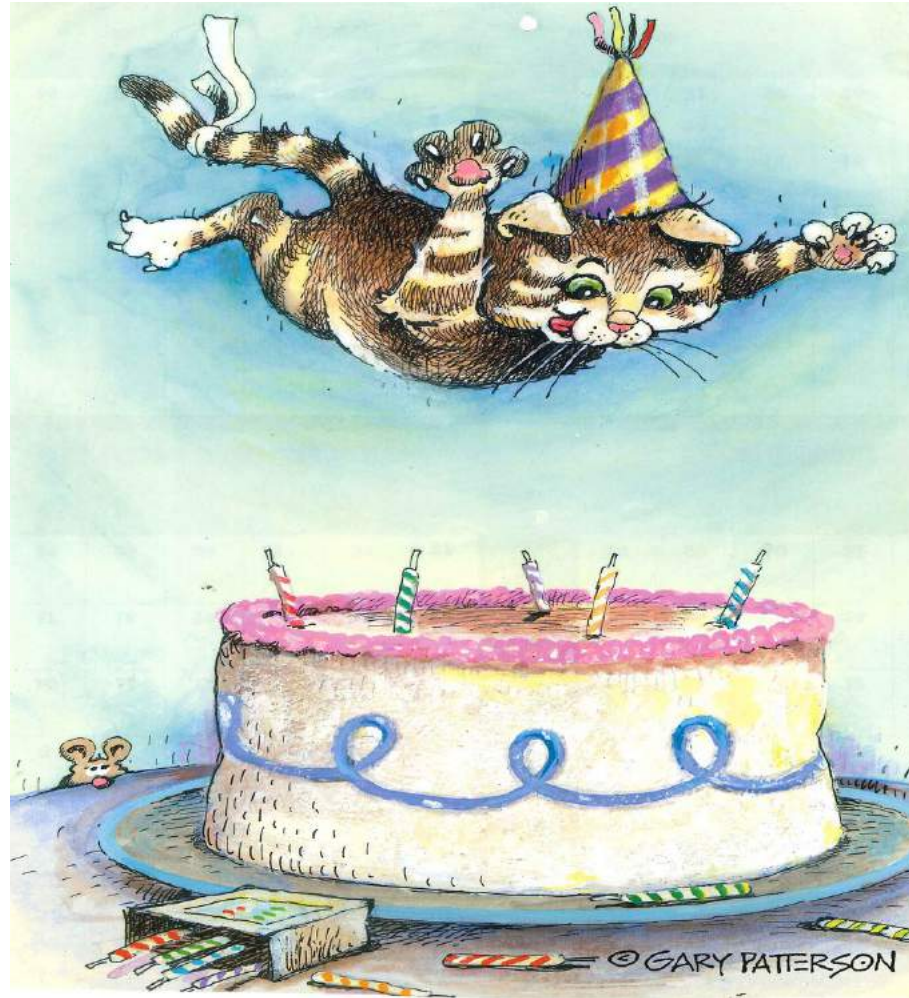
- New Definition Clinical Trial
  - human subjects prospectively (randomly) assigned to 1 or more interventions
  - Evaluation of effects of interventions on health-related biomedical or behavioral outcomes
- Intervention—manipulation for purpose of modifying health-related biomedical or behavioral processes
- Health-related biomedical/behavioral outcome—pre-specified condition effect on biomedical/behavioral status or QOL

# HHS Research News: Proposed Common Rule Modification

- Single IRB for multisite trials
- Application to all clinical trials in U.S. Institution
- Implementation of new data security
- Defining Secondary use of biospecimens as human subjects
- Expansion of consent requirements



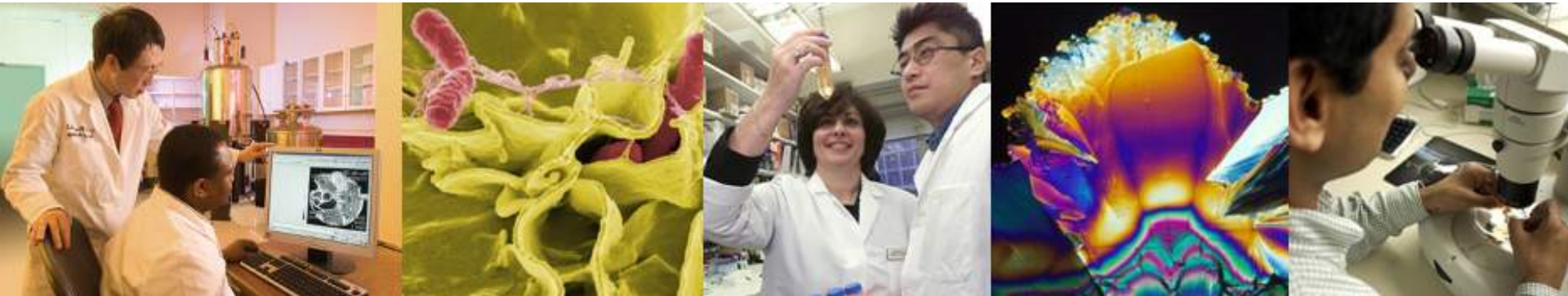
# Notification Your Grant Is Funded



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- **Training Opportunities**



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# Training and Career Trajectory





## National Research Service Awards (NRSA)

- **Individual NRSA (F31, F32, F33)**

- Predoctoral (F31) PA-14-147;  
PA-14-148 (Diversity)
- Postdoctoral (F32) PA-14-149
- Senior NRSA (F33) PA-14-151

- **Institutional NRSA (T32) Centers**

- PA-14-015



## Research Supplements to Promote Diversity in Health-Related Research

- PA-15-322
  - Applications accepted 15 January, 15 April, 15 August only
  - Priority to candidates at the pre- and postdoctoral level and some very early stage investigators



## Career Development (K) Awards

- K01 Mentored Research Scientist Development Award (PA-14-044)
- K23 Mentored Patient-Oriented Research Career Development Award (PA-14-049)
- K24 Mid-Career Investigator Award in Patient-Oriented Research (PA-14-047)



## NIH Pathway to Independence Award (K99/R00)

- **PA-15-083**
  - 1 – 2 years mentored support
  - Postdoctoral scientists
  - Up to 3 years independent support



# Training Funding Opportunities

## Selected Institutional Student Research Programs

### Student Research Training

**Bridges to the Baccalaureate (R25)**

**Bridges to the Doctorate (R25)**

### Diversity Student Research Training

**Post-baccalaureate Research Education Program (PREP) (R25)**

**Initiative for Maximizing Student Development (IMSD) Program (R25)**

[www.nigms.nih.gov/Training/Pages/TWDPPrograms.aspx](http://www.nigms.nih.gov/Training/Pages/TWDPPrograms.aspx)

# NINR Intramural Research and Training

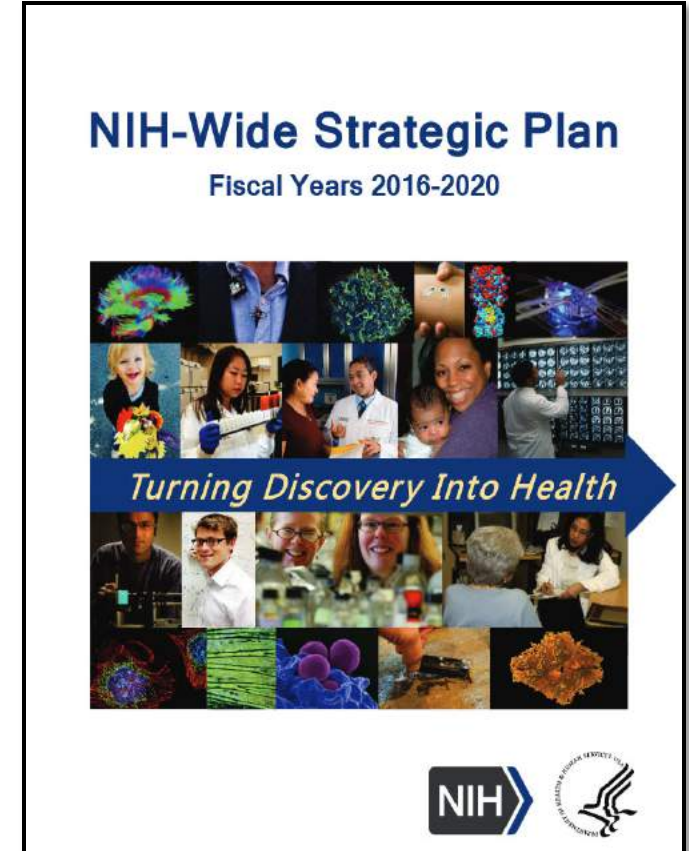
- Training and Career Development Opportunities in 2016:
  - Summer Intern Program
  - Postdoctoral Fellowships (and K99, F33)
  - Graduate Partnerships Program
  - Summer Genetics Institute
  - Symptom Research Methodologies Boot Camp, July 25-29, 2016



## NIH New Five-Year Strategic Plan Key Pillars

- Fundamental Science
- Health Promotion/Disease Prevention
- Treatment/Cures
- Stewardship

[www.nih.gov/about/strategic-plan/](http://www.nih.gov/about/strategic-plan/)



## **NINR Developing New Five-Year Strategic Plan**

- Complementary to NIH Strategic Plan
- Currently in review
- Released in spring for public comment



# NINR's 30<sup>th</sup> Anniversary 2015-2016



*Advancing Science, Improving Lives*

[www.ninr.nih.gov/30years](http://www.ninr.nih.gov/30years)

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## Upcoming 30<sup>th</sup> Anniversary Events

- Midcareer Grantsmanship Workshops: Spring 2016
- NINR Director's Lecture: March 3, 2016
- NINR Director's Lecture: May 5, 2016
- 2016 Scientific Symposium: September 14, 2016
- NINR Director's Lecture: September 29, 2016
- NINR Director's Lecture - "Science and the Public": Nov. 1, 2016



[www.ninr.nih.gov/30years](http://www.ninr.nih.gov/30years)