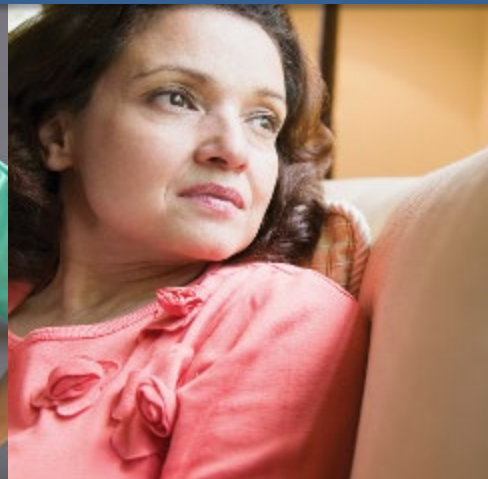




National Institutes of Health

# National Advisory Council for Nursing Research

101<sup>st</sup> Meeting, May 19, 2020



**Tara A. Schwetz, PhD**  
Acting Director, NINR  
Associate Deputy Director, NIH

# Overview

- **NIH News**
- **NINR Budget**
- **NINR Update**



To commemorate American Heart Month, NINR Staff Participates in a Heart Health Walk on the NIH campus, February 27, 2020



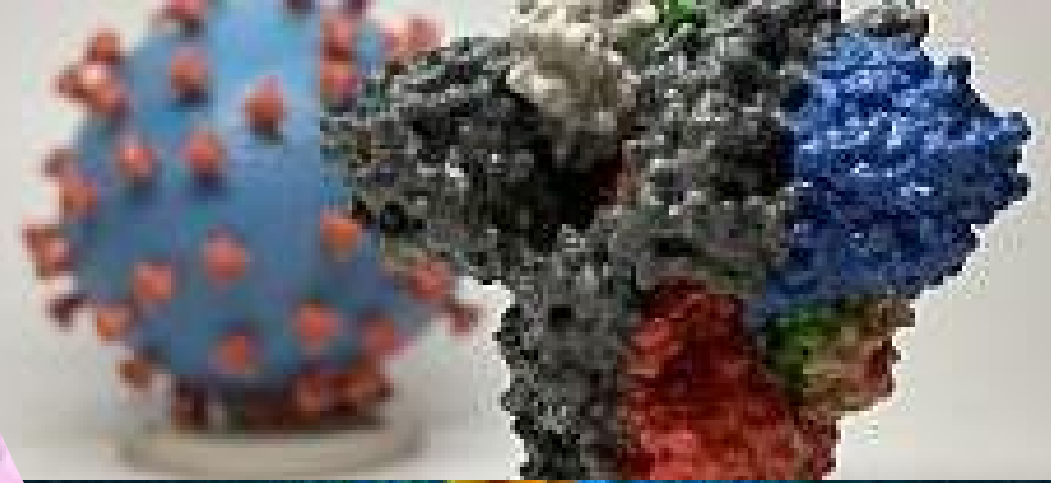
National Institutes of Health

# Coronavirus Disease (COVID-19)

- [www.cdc.gov](http://www.cdc.gov)
- [www.nih.gov/health-information/coronavirus](http://www.nih.gov/health-information/coronavirus)
- [www.grants.nih.gov](http://www.grants.nih.gov)



National Institute  
of Nursing Research



## Guidance for Applicants and Recipients

The screenshot shows the NIH Grants & Funding website. At the top left is the NIH logo and the text "GRANTS & FUNDING NIH Central Resource for Grants and Funding Information". To the right is a search bar labeled "Search this Site" and navigation links for "eRA", "NIH Staff", "Glossary", "FAQs", and "Help". Below this is a horizontal navigation menu with tabs for "HOME", "ABOUT GRANTS", "FUNDING", "POLICY & COMPLIANCE" (which is highlighted), "NEWS & EVENTS", and "ABOUT OER".

The main content area has a breadcrumb trail: "Home » Policy & Compliance » NIH Extramural Response to Natural Disasters and Other Emergencies » Coronavirus Disease 2019 (COVID-19)".

On the left side, there is a "POLICY & COMPLIANCE" sidebar with a list of "Policy Topics": "Natural Disasters", "Coronavirus Disease 2019 (COVID-19): Information for NIH Applicants and Recipients of NIH Funding" (highlighted), and "Applicant/Recipient COVID-19 Update History".

The main heading is "Coronavirus Disease 2019 (COVID-19): Information for NIH Applicants and Recipients of NIH Funding". The text below reads: "The NIH is deeply concerned for the health and safety of people involved in NIH research, and about the effects on the biomedical enterprise in the areas affected by the HHS declared public health emergency for COVID-19. Due to the potential exceptional impact, we want to assure our recipient community that NIH will be doing our part to help you continue your research." It also states: "This is a rapidly evolving situation and we will provide updated guidance and information as it becomes available." and "See page update history."

Under the heading "Guidance", there is an "Overview" section with two bullet points: "Overview presentation (Powerpoint) – updated 4/6/2020" and "Overview talking points (Word) – updated 4/6/2020".

On the right side, there is a "Follow us on Twitter for updates!" section with a "Follow @NIHgrants" button. Below that is an "FAQs" section and a video thumbnail titled "Update on COVID-19 Flexibilities for the Research Community" with a "Posted 3/26/2020" and "Duration 10:41".

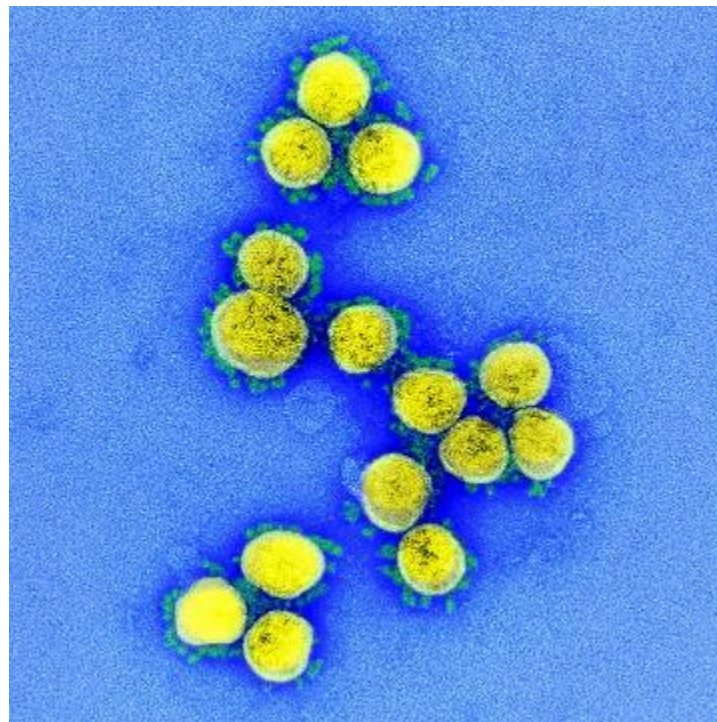
## NIH Shifts Non-mission-critical Laboratory Operations to Minimal Maintenance Phase



# NIH COVID-19 Supplemental Spending

Bill	Funding for NIH
1 <sup>st</sup> Supplemental (PL 116-123) 3/6/20	\$826M for NIAID (development of interventions) \$10 M for NIEHS (worker training)
3 <sup>rd</sup> Supplemental (PL 116-136) 3/27/20	\$706M for NIAID (pandemic response) \$104M for NHLBI (NHLBI-related aspects of COVID-19) \$60M for NIBIB (point-of-care technologies) \$10, \$36M, \$30 for NLM, NCATS, OD respectively for COVID-19 related topics
Supplemental 3.5 (PL 116-139) 4/24/20	\$306M for NCI (serology testing, antibody testing) \$500M for NIBIB (RADx, testing) \$1B for OD (NIH-wide approach to COVID-19, including testing)

## The National Library of Medicine expands access to coronavirus literature through PubMed Central





## Website Launched for COVID-19 Worker Training to Protect Own Health



<https://tools.niehs.nih.gov/wetp/covid19worker/>

## NIH to Launch Public-Private Partnership to Speed COVID-19 Vaccine and Treatment Options

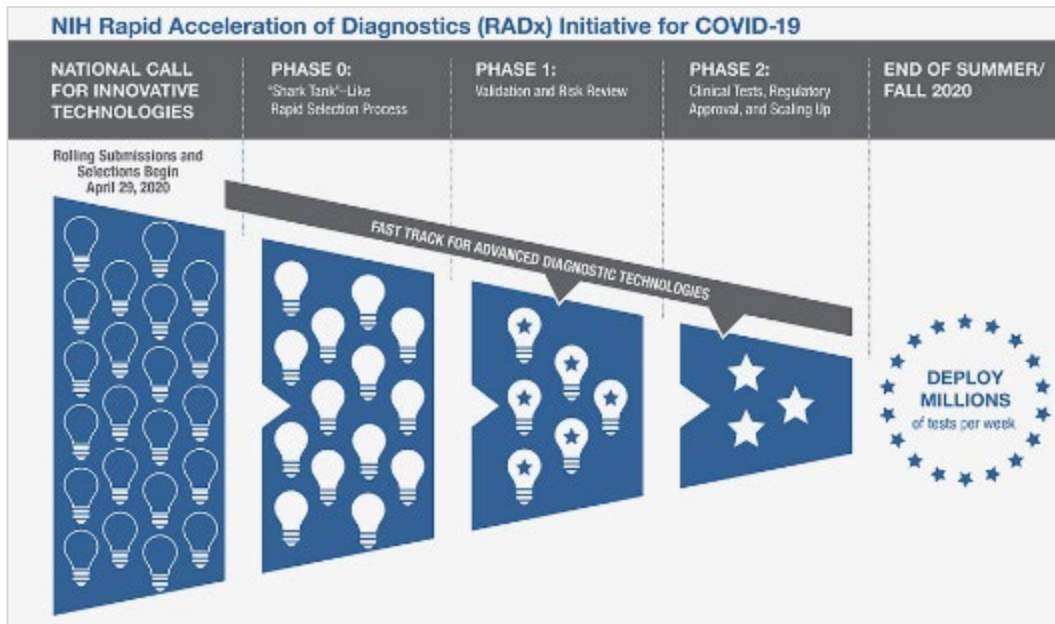


### Accelerating COVID-19 Therapeutic Interventions and Vaccines (ACTIV)

Fast-track areas:

- Standardizing and sharing preclinical evaluation methods
- Prioritizing and accelerating clinical evaluation of therapeutic candidates
- Maximizing clinical trial capacity and effectiveness
- Advancing vaccine development

## NIH Mobilizes National Innovation Initiative for COVID-19 Diagnostics



### NIH Rapid Acceleration of Diagnostic (RADx) Initiative for COVID-19

**Phase 0: "Shark Tank"-Like Rapid Selection Process**

**Phase 1: Validation and Risk Review**

**Phase 2: Clinical Tests, Regulatory Approval, and Scaling Up**

## NIH COVID-19 Related Clinical Trials and Treatment Guidelines



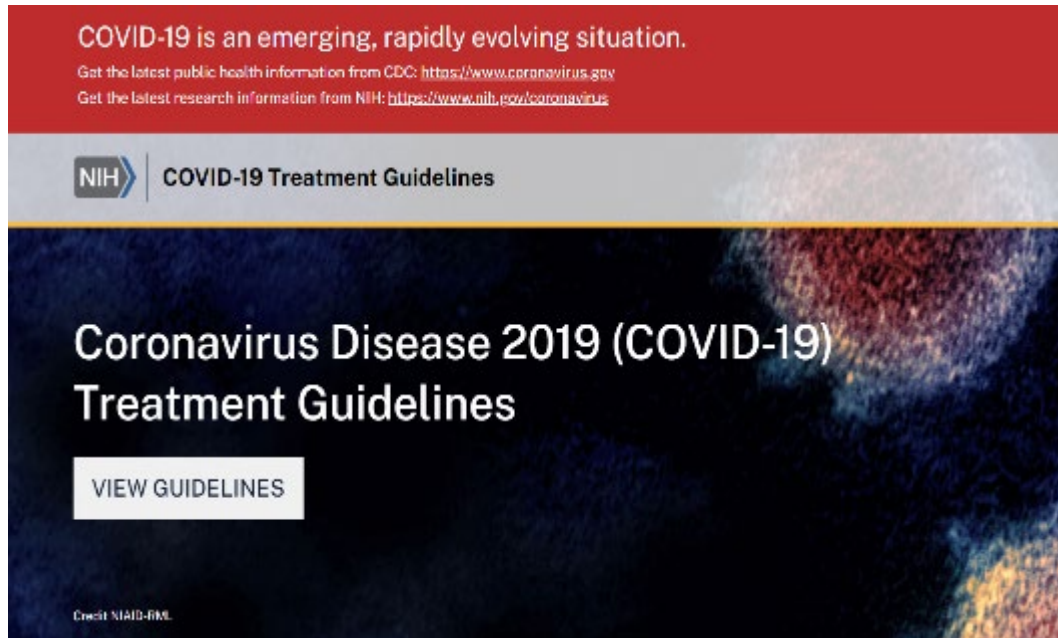
### COVID-19 Therapies

- Remdesivir
- Hydroxychloroquine

### COVID-19 Vaccine

- Moderna
- University of Oxford

## NIH COVID-19 Related Clinical Trials and Treatment Guidelines



### COVID-19 Antibodies

### COVID-19 in Children

- Human Epidemiology and Response to SARS-CoV-2 (HEROS)

### COVID-19 Treatment Guidelines

[covid19treatmentguidelines.nih.gov](https://covid19treatmentguidelines.nih.gov)

## Dr. John Ngai Named Director of NIH BRAIN Initiative





# Maternal Mortality and Morbidity



- **NIH Task Force on Maternal Mortality**
- FY 2020 Activities:
  - Community focused social and biobehavioral efforts
  - Biologically focused efforts to study risk factors for Maternal Mortality/Severe Maternal Morbidity (MM/SMM)
  - Leading Causes of MM/SMM
- *Virtual Workshop: Pregnancy and Maternal Conditions that Increase the Risk of Morbidity and Mortality (May 19-20, 2020)*



## National Institute of Nursing Research



# Budget Comparisons (NINR and NIH)

## Recent Appropriations History

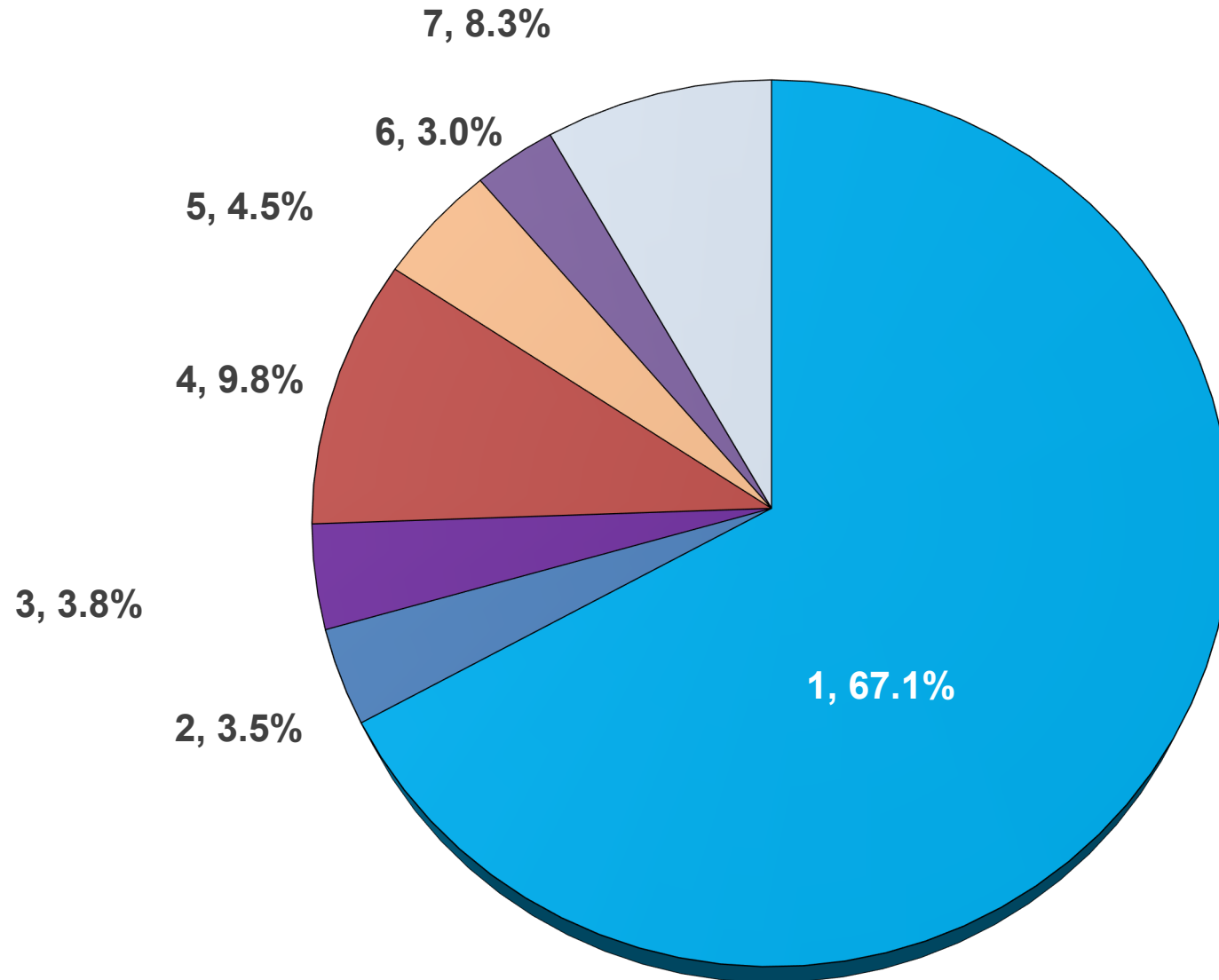
(Dollars in thousands)

	FY 2018 (Omnibus)	FY 2019 (Minibus)	FY 2020 (Minibus)
NINR Budget Office, 05/09			
<b>NINR</b>	<b>5.2%</b> <b>\$158,033</b>	<b>3.1%</b> <b>\$162,992</b>	<b>3.8%</b> <b>\$169,113</b>
<b>NIH</b>	<b>8.8%</b> <b>\$37,311,349</b>	<b>4.7%</b> <b>\$39,071,400</b>	<b>6.6%</b> <b>\$41,636,575</b>
<b>Bill Signed</b>	<b>3/23/2018</b>	<b>9/28/2018</b>	<b>12/20/2019</b>



National Institute  
of Nursing Research

# FY 2019 Actual Obligations by Mechanism





## NINR Staff News

## NINR Director Search

- Applications closed November 18, 2019
- Initial review of applicant qualifications complete
- Interviews currently being conducted

## Division of Extramural Science Programs Welcomes New Program Director



**Kristopher Bough, MS, PhD**

## NINR Scientist Selected as One of 2020's 40 Under 40 Leaders in Minority Health



**Paule V. Joseph, PhD, MS,  
FNP-BC, RN, CTN-B**

## NINR Post-Doctoral Fellow Selected as NIH Independent Research Scholar



**Tokunbor A. Lawal, BSN, MS, PhD**



## News From Across NINR



## News and Notes: Infection Prevention and Control

[Home](#) > [News & Information](#) > [News & Notes](#) > [Preventing Infections in Multiple Healthcare Settings](#)

### Preventing Infections in Multiple Healthcare Settings

*April 28, 2020*

A horizontal banner with a grey gradient background and a yellow border. The text "SPECIAL FEATURE" is written in a bold, blue, italicized sans-serif font. The banner is flanked by blue and grey geometric shapes.

***SPECIAL FEATURE***



## Annual Meeting of the National Nursing Research Roundtable



**“Care Transitions from Pediatric to Adult Care:  
Planning and Interventions for Adolescents and  
Young Adults with Chronic Illness ”**

**March 6-7, 2020**

## NINR Participates in Midwest Nursing Research Society's Annual Research Conference

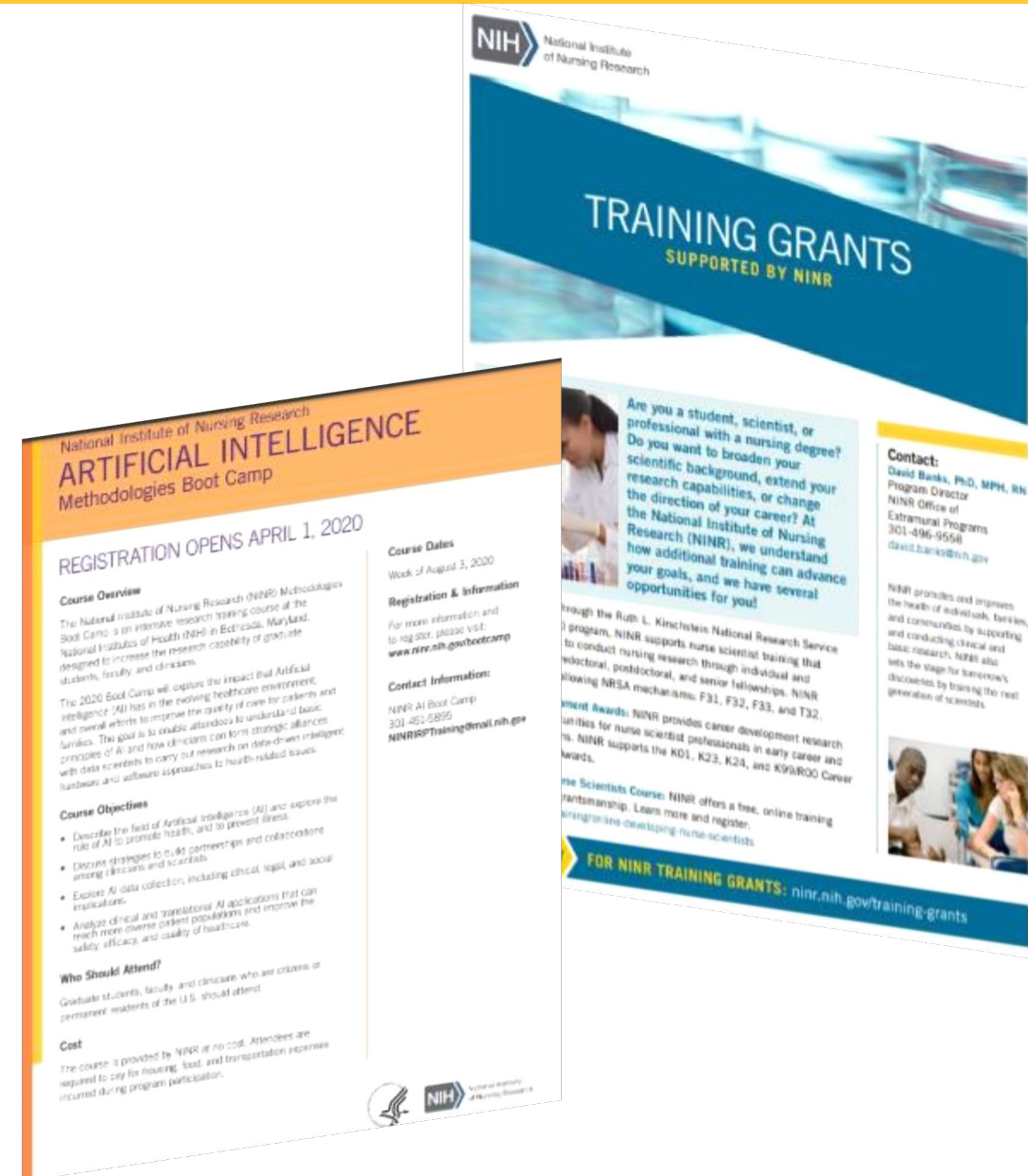


The screenshot shows the homepage of the Midwest Nursing Research Society (MNRS). At the top left is the MNRS logo, which consists of a stylized cross made of four colored squares (green, blue, orange, red) and the text "MNRS" in blue, with "MIDWEST NURSING RESEARCH SOCIETY" in smaller red text below it. A teal navigation bar contains the following menu items: "Home", "About", "Annual Conference", "Grants & Awards", and "Foundation". Below the navigation bar, the main heading reads "2020 VIRTUAL Annual Conference". Underneath this is a large graphic featuring a diverse group of people forming a heart shape. To the right of the graphic, the text reads: "44<sup>th</sup> Annual Research Conference", "Advancing Nursing Research With Diverse Populations", and "April 1 – 4, 2020". The MNRS logo is repeated in the bottom right corner of the graphic. At the bottom of the graphic, the words "VIRTUAL Conference" are written in large white letters on a dark blue background.

# NINR Pathways Working Group

## Goal of NINR Training Programs:

- To fosters the ability of nurse scientists to critically evaluate research and translate that work into clinical care
- To give trainees the skills to develop critical programs of research and remain current in research methods and technological advances to integrate into those programs



**NIH** National Institute of Nursing Research

## TRAINING GRANTS

SUPPORTED BY NINR

**National Institute of Nursing Research**  
**ARTIFICIAL INTELLIGENCE**  
Methodologies Boot Camp

REGISTRATION OPENS APRIL 1, 2020

**Course Overview**  
The National Institute of Nursing Research (NINR) Methodologies Boot Camp is an intensive research training course at the National Institutes of Health (NIH) in Bethesda, Maryland, designed to increase the research capability of graduate students, faculty, and clinicians.

The 2020 Boot Camp will explore the impact that Artificial Intelligence (AI) has in the existing healthcare environment, and overall efforts to improve the quality of care for patients and families. The goal is to enable attendees to understand basic principles of AI and how clinicians can form strategic alliances with data scientists to carry out research on data-driven intelligent hardware and software approaches to health-related issues.

**Course Objectives**

- Describe the field of Artificial Intelligence (AI) and explore the role of AI to promote health, and to prevent illness.
- Discuss strategies to build partnerships and collaborations among clinicians and scientists.
- Explore AI data collection, including ethical, legal, and social implications.
- Analyze clinical and translational AI applications that can reach more diverse patient populations and improve the safety, efficacy, and quality of healthcare.

**Who Should Attend?**  
Graduate students, faculty, and clinicians who are citizens or permanent residents of the U.S. should attend.

**Cost**  
The course is provided by NINR at no cost. Attendees are required to pay for housing, food, and transportation expenses incurred during program participation.

**Course Dates**  
Week of August 3, 2020

**Registration & Information**  
For more information and to register, please visit:  
[www.ninr.nih.gov/bootcamp](http://www.ninr.nih.gov/bootcamp)

**Contact Information:**  
NINR AI Boot Camp  
301-461-5855  
[NINRNPTraining@nir.nih.gov](mailto:NINRNPTraining@nir.nih.gov)

Are you a student, scientist, or professional with a nursing degree? Do you want to broaden your scientific background, extend your research capabilities, or change the direction of your career? At the National Institute of Nursing Research (NINR), we understand how additional training can advance your goals, and we have several opportunities for you!

through the Ruth L. Kirschstein National Research Service program, NINR supports nurse scientist training that to conduct nursing research through individual and doctoral, postdoctoral, and senior fellowships. NINR following NRSA mechanisms: F31, F32, F33, and T32.

**ment Awards:** NINR provides career development research unities for nurse scientist professionals in early career and rs. NINR supports the K01, K23, K24, and K99/R00 Career awards.

**ne Scientists Course:** NINR offers a free, online training ransformation. Learn more and register: [www.ninr.nih.gov/developing-nurse-scientists](http://www.ninr.nih.gov/developing-nurse-scientists)

**Contact:**  
David Banks, Ph.D., MPH, RN  
Program Director  
NINR Office of  
Extramural Programs  
301-496-9556  
[david.banks@nih.gov](mailto:david.banks@nih.gov)

NINR promotes and improves the health of individual patients, families, and communities by supporting and conducting clinical and basic research. NINR also sets the stage for tomorrow's discoveries by training the next generation of scientists.

**FOR NINR TRAINING GRANTS:** [ninr.nih.gov/training-grants](http://ninr.nih.gov/training-grants)

# The Scope and Charge of the Pathways Working Group

## Purpose

- To provide NINR leadership with information and recommendations that identify strengths, limitations, challenges, and opportunities that will serve as a basis for NINR to enhance nursing research education and training.

The Working Group will examine the factors that:

- Impact the initiation of a successful research program
- Affect the continuation of a research program over a nurse scientist's career



## NINR Supported Video Nominated for Northwest Emmy Award

2019 #NWEMMY NOMINATIONS

### 23- HEALTH SCIENCE – PROGRAM/SPECIAL

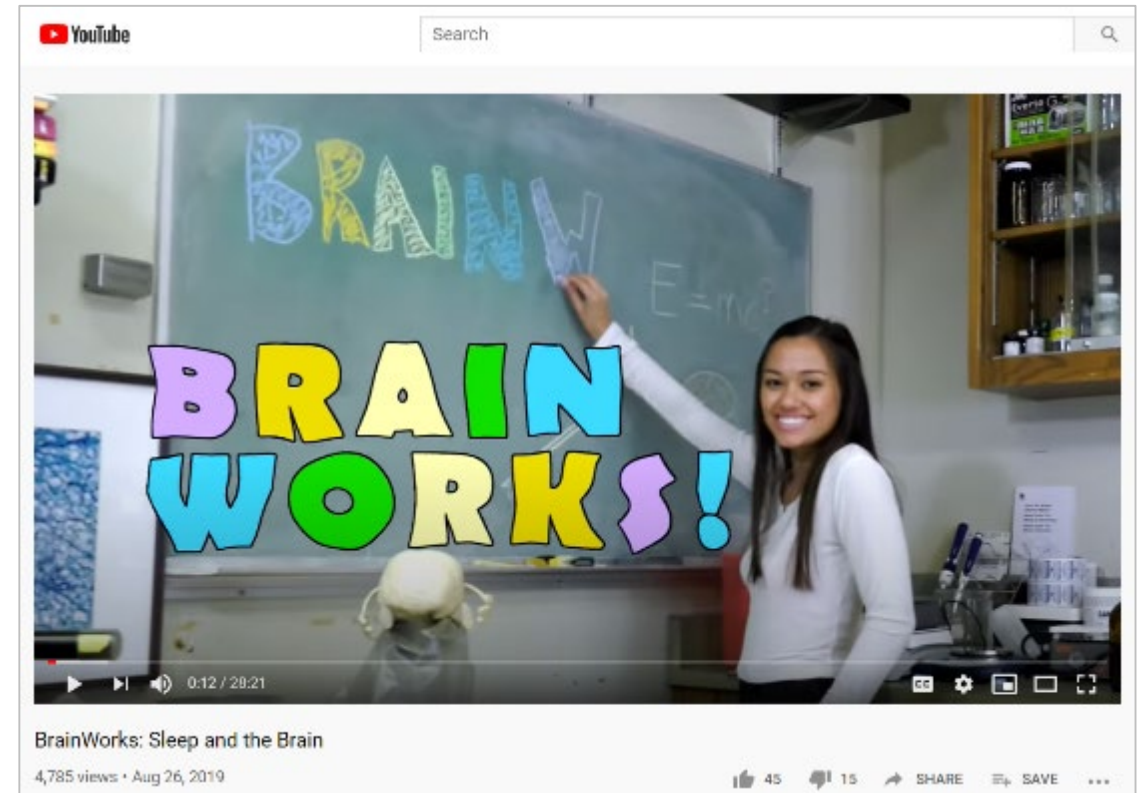
- KUSM *The Rundown w/ Jackie Coffin: Montana's Marijuana Market*
  - Jackie Coffin
- UW VIDEO *BrainWorks- Sleep and the Brain*
  - Cara Podenski, David Ris, Eric Chudler
- SEATTLE CHANNEL *A Healing Act: Improv for People with Memory Loss*
  - Laila Kazmi, Ian Devier
- KTVA-TV *Death in Detox: Kellsie Green's Story*
  - Daniella Rivera, John Thain, Rachel McPherron



NATIONAL  
ACADEMY  
OF TELEVISION  
ARTS & SCIENCES

NORTHWEST  
CHAPTER

RECIPIENTS WILL BE ANNOUNCED JUNE 6TH, 2020



BrainWorks: Sleep and the Brain

4,785 views • Aug 26, 2019

45 15 SHARE SAVE ...



National Institute  
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## Videos Available – Director’s Lectures



**Randy Jones**  
PhD, RN, FAAN  
University of Virginia



**Barbara Riegel**  
PhD, RN, FPCNA, FAHA, FAAN,  
University of Pennsylvania

## Summer Genetics Institute Cancelled Virtual 20<sup>th</sup> Anniversary Symposium



**20<sup>th</sup> Anniversary Symposium**  
**June 22, 2020**  
**Registration now open!**

[www.ninr.gov/sgi](http://www.ninr.gov/sgi)



**2020 SGI Cancelled**



## Virtual Symptom Methodologies Boot Camp: Artificial Intelligence

**Registration TBD**



**August 3 – August 6, 2020**

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

## NINR-Funded Research Highlights



## NINR Supported Device for Asthma Symptom Monitoring Utilized for COVID-19 Monitoring



ADAMM—the Automated Device for Asthma Monitoring and Management—is a wearable device paired with an app and algorithm that helps teens stay on top of their asthma symptoms. (University of Rochester photo / J. Adam Fenster)

## NINR-Funded Science Advances

### Wearable Devices



#### Ultrasound imaging links soleus muscle neuromechanics and energetics during human walking with elastic ankle exoskeletons

R. W. Nuckols<sup>1,2,3\*</sup>, T. J. M. Dick<sup>1,4</sup>, O. N. Beck<sup>5</sup> & G. S. Sawicki<sup>1,5\*</sup>

*Sci Rep.* 2020; 10(1):3604

### Patient Safety



#### Association Between Healthcare-Associated Infection and Exposure to Hospital Roommates and Previous Bed Occupants with the Same Organism

Bevin Cohen, PhD, MS, MPH, RN;<sup>1,2</sup> Jianfang Liu, PhD, MAS;<sup>1</sup> Adam Ross Cohen, BS;<sup>3</sup> Elaine Larson, RN, PhD, FAAN<sup>1,2</sup>

*Infect Control Hops Epidemiol.* 2018;6:39:541-546

## NINR-Funded Science Advances

### Post-Acute Care



Original Study

#### Using a Decision Support Algorithm for Referrals to Post-Acute Care

Kathryn H. Bowles PhD<sup>a,\*</sup>, Sarah J. Ratcliffe PhD<sup>b</sup>, John H. Holmes PhD<sup>b</sup>,  
Sue Keim PhD<sup>a</sup>, Sheryl Potashnik PhD<sup>a</sup>, Emilia Flores PhD<sup>a</sup>, Diane Humbrecht DNP<sup>c</sup>,  
Christina R. Whitehouse PhD<sup>a</sup>, Mary D. Naylor PhD<sup>a</sup>

*JAMDA*. 2019; 20:408-413

### End-of-Life and Palliative Care



#### Use of the Physician Orders for Scope of Treatment Program in Indiana Nursing Homes

Susan E. Hickman, PhD,<sup>\*†</sup> Rebecca L. Sudore, MD,<sup>‡</sup> Greg A. Sachs, MD,<sup>†§¶</sup>  
Alexia M. Torke, MD,<sup>‡§¶</sup> Anne L. Myers, MPH,<sup>\*</sup> Qing Tang, MS,<sup>||\*\*</sup>  
Giorgos Bakoyannis, PhD,<sup>||\*\*</sup> and Bernard J. Hammes, PhD<sup>††</sup>

*J Am Geriatr Soc*. 2018;6:e000411

## Call for Researchers to Submit Funding Applications for COVID-19 Efforts

**NOT-OD-20-097** – Research on COVID-19 and the Behavioral and Social Sciences (Competitive and Admin Supplements)

**NOT-OD-20-103** – Research on Biopsychosocial Factors of Social Connectedness and Isolation on Health, Wellbeing, Illness, and Recovery (R01)



Contact your Program Director for more information!

<https://grants.nih.gov>

# NINR Funding Opportunities

Title	Expiration Date
<b>Addressing Caregiver Symptoms through Technological Tools (R01 Clinical Trial Optional, R21 Clinical Trial Optional)</b>	<b>01/08/2021</b>
<b>Telomeres in Wellness and Disease: A Biobehavioral Approach (R01 Clinical Trial Optional, R21 Clinical Trial Optional)</b>	<b>01/08/2022</b>
<b>Palliative Care in Home and Community Settings (R01 Clinical Trial Optional, R21 Clinical Trial Optional)</b>	<b>09/08/2022</b>
<b>Omics-guided Biobehavioral Interventions for Improved Health Outcomes: A Step Forward in Translation (R01 Clinical Trial Optional)</b>	<b>01/08/2023</b>
<b>Patient Activation for Self-Management of Chronic Conditions (R01 Clinical Trial Optional, R21 Clinical Trial Optional)</b>	<b>05/23/2023</b>



[www.ninr.nih.gov/researchandfunding/desp/oep/fundingopportunities](http://www.ninr.nih.gov/researchandfunding/desp/oep/fundingopportunities)

# Funding Opportunities from Partner IC's

Title	Expiration Date
<b>Addressing Racial Disparities in Maternal Mortality and Morbidity (R01 Clinical Trial Optional)</b>	<b>05/30/2020</b>
<b>Research on biopsychosocial factors of social connectedness and isolation on health, wellbeing, illness, and recovery (R01 Basic Experimental Studies with Humans Required)</b>	<b>03/18/2021</b>
<b>INvestigation of Co-occurring conditions across the Lifespan to Understand Down syndrome (INCLUDE) Clinical Trial Readiness (R21 Clinical Trial Not Allowed)</b>	<b>11/4/2021</b>
<b>The Intersection of Sex and Gender Influences on Health and Disease (R01 Clinical Trial Optional)</b>	<b>11/27/2021</b>
<b>Palliative Care in Home and Community Settings (R01 Clinical Trial Optional)</b>	<b>09/08/2022</b>





**2020**  
**INTERNATIONAL YEAR**  
**OF THE NURSE AND**  
**THE MIDWIFE**



YOU MAKE A DIFFERENCE

## DIRECTOR'S MESSAGE

A Message from the NINR Acting Director  
on Appreciating Nurses' Vital Role in  
Health Care and Research

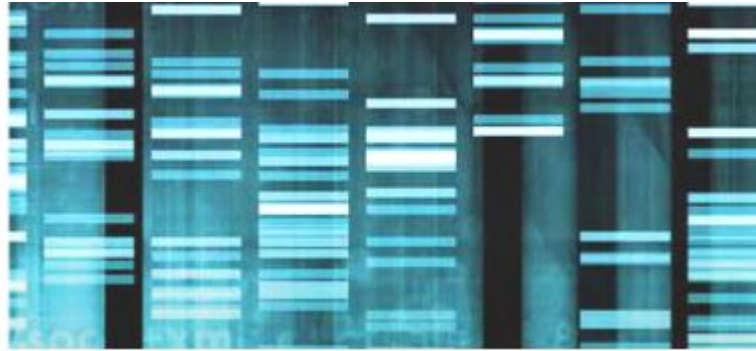
## Appreciating Nurses' Vital Role in Health Care and Research

May 2020

Every May, we celebrate National Nurses Week to express our gratitude for the incredible work nurses, including nurse scientists, do every day as the largest component of the health care workforce. However, this year is a little different for us all. During the height of the COVID-19 pandemic, National Nurses Week brings to light just how vital nurses are to keeping us healthy and safe. In fact, the American Nurses Association has designated the entire month of May as [National Nurses Month](#) to recognize nurses' extraordinary efforts this year, [the Year of the Nurse and the Midwife](#).



National Institute  
of Nursing Research



What Does *Nursing Research* Mean to You?



Submit your feedback at [www.ninr.nih.gov/what-does-nursing-research-mean-to-you](http://www.ninr.nih.gov/what-does-nursing-research-mean-to-you)

**COVID-19 is an emerging, rapidly evolving situation.**

Get the latest public health information from CDC: <https://www.coronavirus.gov>

Get the latest research information from NIH: <https://www.nih.gov/coronavirus>

## NURSING RESEARCH DEVELOPS KNOWLEDGE TO:

- Build the scientific foundation for clinical practice
- Prevent disease and disability
- Manage and eliminate symptoms caused by illness
- Enhance end-of-life and palliative care

## WHAT'S NEW?

### DIRECTOR'S MESSAGE

A Message from the NINR Acting Director on Appreciating Nurses' Vital Role in Health Care and Research



Coronavirus Disease 2019 (COVID-19): Information for NIH Applicants and Recipients of NIH Funding

### SPECIAL FEATURE

Preventing Infections in Multiple Healthcare Settings

### FUNDING

Call for Researchers to Submit Supplement Funding Applications for COVID-19 Efforts