

# Director's Report

National Advisory Council on Minority Health and  
Health Disparities

September 8, 2017

**Eliseo J. Pérez-Stable, MD**  
**Director, NIMHD**



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# NIH Updates



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# Collins Remains NIH Director

The President invited

**Francis S. Collins, MD, PhD** to remain in the position of NIH Director, after he had been serving as a holdover appointment since January 18.

*I am truly grateful for the President's vote of confidence, and I will be honored to continue to serve this noble institution.*

- Dr. Francis S. Collins



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# National Center for Complementary and Integrative Health Director to Retire

- **Josie Briggs, MD**, will be retiring in October from the directorship of the National Center for Complementary and Integrative Health.
- She is moving on to become the Editor-in-Chief of the *Journal of the American Society of Nephrology*.
- She led the Precision Medicine Initiative (now the All of Us Research Program) in 2015.



*She has been an outstanding director, a trusted advisor to me and others at NIH, and a good friend. She is among the most accomplished leaders at NIH and is universally respected both within and outside the agency. - Francis S. Collins, MD, PhD, Director, National Institutes of Health*



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# National Cancer Institute Director Appointed

**Norman E. “Ned” Sharpless, MD**, was appointed the new director of the NCI.

- Former Director of the Lineberger (NCI-designated) Comprehensive Cancer Center and Distinguished Professor in Cancer Research at the University of North Carolina.
- Undergraduate and medical degrees from the University of North Carolina at Chapel Hill; internal medicine residency at Massachusetts General Hospital and a hematology/oncology fellowship at Dana-Farber/Partners Cancer Care
- Led a highly productive research group studying the cell cycle and its role in cancer and aging.
- Member of the NIA Advisory Council at time of appointment



*I've known Dr. Sharpless professionally for many years as an outstanding scientist, clinician, and administrator, and we are very fortunate to have him join the NIH leadership team.*

*- Francis S. Collins, MD, PhD, Director, National Institutes of Health*



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## U.S. Surgeon General Sworn In September 5, 2017

**Jerome M. Adams, MD, MPH** has been sworn in as the 20th U.S. Surgeon General.

Dr. Adams is transitioning from commissioner of the Indiana State Department of Health.

- Previously served as assistant professor of clinical anesthesia at Indiana University School of Medicine and staff anesthesiologist and chair of the Pharmacy and Therapeutics Committee at Eskenazi Health.
- Received his medical degree at the Indiana University School of Medicine and his MPH degree at the University of California, Berkley.
- Worked under Tom Cech, PhD, who received the Nobel Prize in Chemistry in 1989.



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# HHS Minority Health Leader Appointed

**Matthew Y.C. Lin, MD** has been appointed Deputy Assistant Secretary for Minority Health and Director of the Office of Minority Health at the U.S. Department of Health and Human Services.

Dr. Lin is an orthopedic hand surgeon from San Marino, California, and has worked extensively with racial/ethnic populations.

- Received his medical degree from Taipei Medical University, Taiwan, in 1971.
- Received the Los Angeles Medical Association's Leadership Award for Public Service and the California Hospital Association's Leadership in Governance Award.
- Served as Mayor of San Marino for three terms.



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## National Cancer Institute Researchers to receive 2017 Lasker Award

**Dr. Douglas R. Lowy and Dr. John T. Schiller will receive the 2017 Lasker~DeBakey Clinical Medical Research Award on September 15 in New York City.**

**The award is bestowed in recognition of their foundational discoveries that led to the development of the human papillomavirus (HPV) vaccines.**



John T. Schiller, PhD, and Douglas R. Lowy, MD

*Because of their extraordinary efforts, we now have the potential to eliminate cervical cancer—the fourth most common cancer in women worldwide—and to greatly reduce other HPV-associated cancers.*

*- Francis S. Collins, MD, PhD, Director, National Institutes of Health*



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# Next Generation Researchers Initiative

NIH proposed an approach to increase the number of early-stage and mid-career investigators to stabilize the career trajectory of scientists.

- ✓ Extending the pay line for applications from ESIs
- ✓ Provide more support for mid-career investigators
- ✓ Place greater emphasis on programs aimed at ESIs
- ✓ Tracking the impact of IC funding decisions for ESIs and mid-career investigators with fundable scores to ensure this strategy is effectively implemented
- ✓ Encourage the development and testing of metrics that can be used to assess the impact of NIH grant support on scientific progress
- ✓ Monitor gender and race/ethnic diversity of ESIs funded



<https://grants.nih.gov/ngri.htm>



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## NEWS RELEASES

Tuesday, July 25, 2017

### The All of Us Research Program announces first community partner awards

*Four organizations to support engagement of diverse communities in ambitious research effort.*

**Institute/Center**  
[All of Us Research Program](#)  
[Office of the Director \(OD\)](#)

**Contact**  
[All of Us Communications](#)

## Awardees:

- ✓ **FiftyForward**
- ✓ **National Alliance for Hispanic Health**
- ✓ **Delta Research and Educational Foundation**
- ✓ **San Francisco General Hospital Foundation**



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# NIH Clinical Center Featured on Discovery Channel

## NEWS RELEASES

Wednesday, July 26, 2017

### Discovery documentary *First in Human* gives an up-close look at how advances in medicine are made at the NIH Clinical Center

*Three-part series airing in August portrays the hopes and setbacks of patients, doctors, and nurses seeking cures.*



On August 10, Discovery will premiere *First in Human*, a three-part documentary on the National Institutes of Health Clinical Center, providing an unprecedented, first-hand look at the successes and setbacks that are a part of developing brand-new medicines that may ultimately benefit millions worldwide. Over a period of a year, film crews embedded within the hospital follow four patients who volunteered to participate in experimental treatments in the hopes they will help them, or others in the future. The series also follows the dedicated doctors and



#### Institute/Center

[NIH Clinical Center \(CC\)](#)

#### Contact

Molly Freimuth  
301-549-5789

#### Related Links

[NIH on Discovery's First in Human](#)

[NIH Clinical Center on Discovery's First in Human](#)

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<https://www.cc.nih.gov/ocmr/firstinhuman/>



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## 11<sup>th</sup> Meeting of the Advisory Committee to the NIH Director

- **June 8-9, 2017**
- **Topics covered include:**
  - **HeLa cells**
  - **Diversity in the Workforce**
  - **21<sup>st</sup> Century Cures Implementation**
  - **Opioid Epidemic**
  - **Enhancing Stewardship: The Next Generation**
- **Next Meeting:  
December 14-15, 2017**



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# Reforms and Initiatives

To enhance the stewardship of research involving human subjects, NIH is implementing the following:

## All Research Involving Human Participants

- ✓ New forms to collect human subjects information
- ✓ Use of a single Institutional Review Board (IRB) for multi-site studies
- ✓ Am J Bioethics 2017; 17:34-64

## Research that Meets the NIH Definition of a Clinical Trial

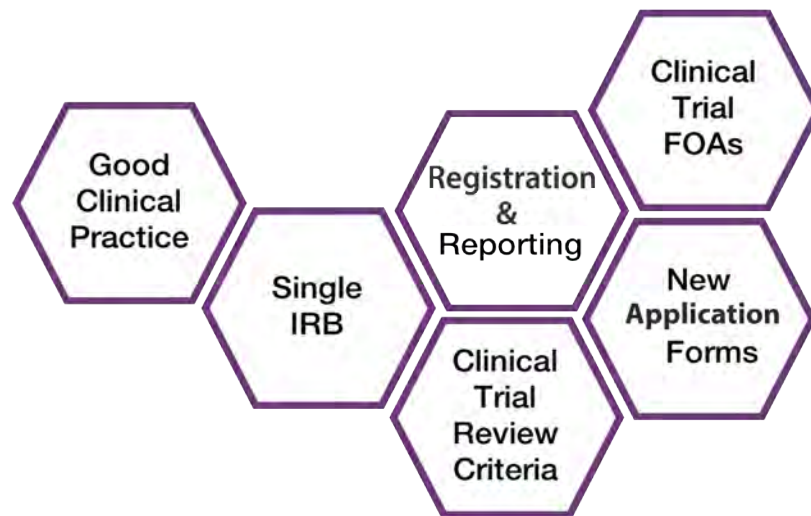
- ✓ Training in Good Clinical Practice (GCP)
- ✓ Clinical trial-specific Funding Opportunity Announcements (FOAs)
- ✓ New review criteria
- ✓ Expanded registration and results reporting in ClinicalTrials.gov



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# NIH Initiatives to Enhance Clinical Trial Stewardship



## Enhancing Clinical Trial Stewardship at NIH

- ✓ Accountability
- ✓ Transparency
- ✓ Efficiency
- ✓ Dissemination

Learn more at <https://grants.nih.gov/policy/clinical-trials.htm>



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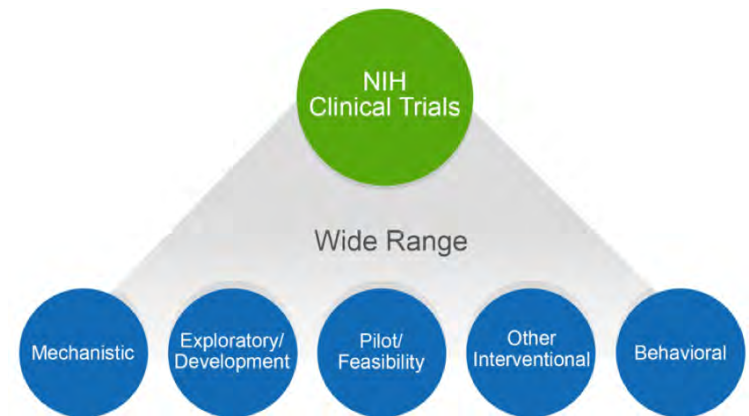


# NIH Might Consider Your Human Subjects Research to be a Clinical Trial

## Does your study...

- ✓ Involve one or more **human subjects**?
- ✓ Involve one or more **interventions**?
- ✓ **Prospectively assign** human subject(s) to intervention(s)?
- ✓ Have a **health-related biomedical or behavioral outcome**?

If “yes” to **ALL** of these questions, your study is considered a clinical trial



Unsure how to answer the questions? We have a tool that can help! <https://grants.nih.gov/ct-decision/>



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# Identifying Whether NIH Considers Your Study to be a Clinical Trial is Crucial

It impacts whether you need to:

- ✓ Respond to a **clinical trial-specific FOA**
- ✓ Address additional **review criteria** specific for clinical trials
- ✓ **Register and report** your clinical trial in [ClinicalTrials.gov](https://clinicaltrials.gov)



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## Minority Enrollment in NIH Clinical Research

Race/Ethnicity	2010	2014
All Minorities	28.1%	26.2%
White	70.1%	68.3%
Black	11.9%	11.1%
AI/AN	0.8%	0.7%
Asian	6.6%	5.1%
Latino	7.8%	8.3%
NH/PI	0.7%	0.4%
Multi-race	1.6%	1.3%
Unknown	8.3%	13.1%
Sample size	21,523,076	25,209,874



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# NIMHD Updates



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# Congressional Hearings

On June 22, 2017, the Senate Appropriations Subcommittee on Labor, HHS, and Education, held a hearing on the NIH FY2018 President's Budget. NIH Director Francis Collins testified, accompanied by NIAID Director Dr. Anthony Fauci, NHLBI Director Dr. Gary Gibbons, NIMH Director Dr. Joshua Gordon, NIA Director Dr. Richard Hodes, NCI Acting Director Dr. Douglas Lowy, and NIDA Director Dr. Nora Volkow.

Ongoing communications between NIH leadership and congressional staff with expected September decisions on Fiscal 2018



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# Upcoming Congressional Events

**On September 20** - During the Congressional Black Caucus Foundation 47th Annual Legislative Conference, Dr. Pérez-Stable will serve as a panelist for the Health and Wellness Luncheon: *“African American Participation in Clinical Trials: Challenging the Gold Standard.”*

David Satcher, MD, PhD will present the Keynote address



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# Engaging Our Stakeholders

**On June 13:** Dr. Joan Wasserman, Director of the Office of Extramural Research Administration, and Dr. Patricia Grady, Director of the National Institute of Nursing Research, briefed staff to Representatives Henry Cuellar (D-TX) and Filemon Vela (D-TX), as well as a delegation of Texas institutions on STEM and health programs for Hispanic-serving institutions.



(l-r) Neil Canfield of National Science Foundation, NINR director Dr. Patricia Grady and Dr. Joan Wasserman take part in a briefing for Texas congressional staff members.

**On June 14:** Dr. Pérez-Stable gave welcoming remarks at the “SKCC on Capitol Hill Day” breakfast alongside Thomas Jefferson University Sidney Kimmel Cancer Center leadership; he discussed health disparities, the diagnosis and treatment of cancer, and the importance of inclusion in clinical trials at the Longworth House Office Building in D.C.



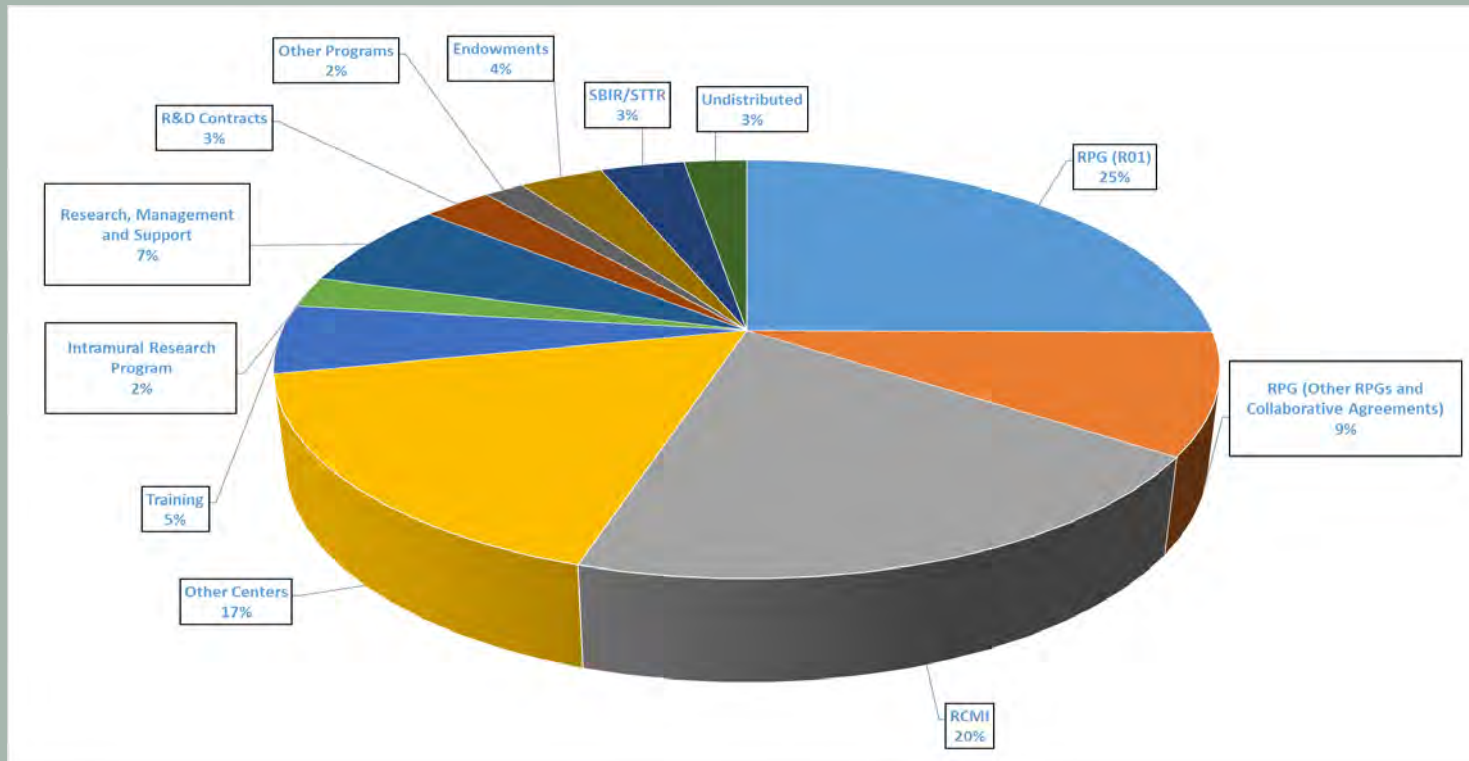
(l-r) Karen E. Knudsen, Ph.D. SKCC director, Eliseo J. Pérez-Stable, MD, NIMHD director, Congressman Donald M. Payne (D-NJ), Edith Mitchell, MD, FACP, Center to Eliminate Cancer Disparities, Jefferson University Hospitals director



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# FY 2017 Funding Distribution \$288M



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# Recent Presentations

**June 14**

**Alumni and Friends Reception  
National Medical Fellowships  
Washington, D.C.**

**June 16**

**Minority Faculty Leadership Seminar  
Association of American Medical Colleges  
Washington, D.C.**

**June 19**

**African American Health Equity Summit  
Susan G. Komen Foundation Honoring  
Henrietta Lacks  
Washington, D.C.**

**June 22**

**Moving Towards Elimination of CV Disparities  
Through Community-Engaged Research, NHLBI  
Bethesda, Md.**

**June 26**

**Metrics Toolkit Launch  
Urban Universities for Health  
Webinar**

**June 27**

**How Do Race and Wealth Affect Your Health?  
My Personal Story in Science  
NIH Intramural Training Summer Lecture  
Bethesda, Md.**

**July 14**

**Achieving Health Equity Through Collaboration  
FHI 360 and the Robert Wood Johnson Foundation  
Washington, D.C.**

**July 29**

**115th Annual Convention  
National Medical Association  
Philadelphia, Pa.**

**August 26**

**Health Emphasis Summit  
Metropolitan Seventh Day Adventist Church  
Hyattsville, Md.**



Photo: NMF



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# Media Outreach with NIDDK's Healthy Moments Radio Broadcast



Dr. Griffin Rodgers, NIDDK director and Dr. Pérez-Stable, NIMHD director

Four Segments to air on nationally syndicated radio stations starting September 4 (e.g., Radio One Stations and others)

- Understanding Health Disparities
- Place Matters
- Language Access and Patient-Provider Communication
- Minority Participation in Clinical Trials (also en Español online @NIDDK)





# Scientific Workshops with NIMHD Participation



NIMHD grantee Dr. J. Neil Henderson (c) and Drs. Adi Rosario and Nancy Jones

## **Summit, The Science of Caregiving: Bringing Voices Together**

Lead: National Institute of Nursing Research, August 7-8, 2017

NIMHD Contacts: Adelaida Rosario, PhD, Nancy Jones, PhD



## **The Human Microbiome: Emerging Themes at the Horizon of the 21st Century**

Lead: Trans-NIH Microbiome Working Group, August 16-18, 2017

NIMHD Contact: Michael Sayre, PhD



## **Training the Next Generation of Implementation Researchers for Health Equity**

Lead: National Heart, Lung and Blood Institute, August 30-31, 2017

NIMHD Contact: Xinzhi Zhang PhD



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# NIMHD INSPRD Lecture Series

**Purpose:** Incorporating Science in Programming to Reduce Disparities (INSPRD) lecture series is designed to share scientific program information, stimulate novel research ideas and facilitate dialogue to foster new collaborations

## Recent Speakers:

- **Quyen Ngo-Metzer, MD, MPH**, Scientific Director, U.S. Prevention Services Task Force Program, AHRQ - Addressing health Disparities in Screening and Prevention Guidelines, June 15, 2017
- **Nora D. Volkow, MD**, Director, National Institute on Drug Abuse Director – NIH's Efforts to Reduce the Opioid Epidemic and **Corinde E. Wiers, PhD**, NIDA Post Doctoral Fellow – Association of Genetic Ancestry with Striatal Dopamine D2/D3 Receptor Availability, July 20, 2017
- **Darien Weatherspoon, DDS, MPH**, Program Director, Health Disparity Research Program, NIDCR – NIDCR Oral Health Disparities Research Consortium, August 24, 2017



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# NIMHD Intramural Seminar Series

Monthly IRP seminar series provides a forum for exchange and dissemination of research in progress

**Jung Byun, PhD, Staff Scientist** - Exploring Cancer Health Disparities through Molecular and Genomic Profiling of Diverse Cohorts, June 13

**Erik Rodriguez, PhD, NHLBI Staff Scientist** - Minority Health and Health Disparities and Unhealthy Behaviors, July 11

**Sherine El-Toukhy, PhD, NHLBI IRTA Postdoctoral Fellow** - Patient-Provider Communication: A Disparities Perspective on Health Communication, July 18



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# Fostering the Next Generation of Researchers

## NIH Summer Poster Day, August 10, 2017



**Kaylan Williams**, Yale University, presented The association between physician uncertainty and drug treatment decision making: A quantitative and qualitative analysis.” Mentor: Dr. Regina James



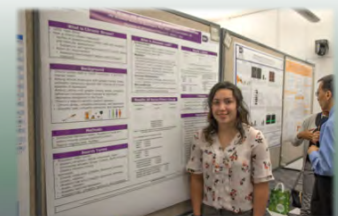
**Abel Amare**, George Washington University, presented Systemic Inflammation Score (SIS) as a predictor for Sagittal Abdominal Diameter (SAD) in non diabetics.” Mentor: Dr. Sharon Jackson



**Michael Ramsey**, OITE GSOAR Scholar, Jackson State University, presented “Examining the intersectionality of social determinants of health and smoking behaviors among U.S. black adults. Mentor: Dr. Kelvin Choi



**Catherine Trad**, New York University, presented Exploring the distribution of tobacco free policies in a national sample of post secondary educational institutions. Mentor: Dr. Kelvin Choi



**Myriam Alcantar Rama**, University of Mexico presented on A literature review of chronic stress, allostatic load, unhealthy behaviors and depression among racial/ethnic minorities. Mentor: Dr. Erik Rodriguez in the lab of Dr. Eliseo J. Pérez Stable



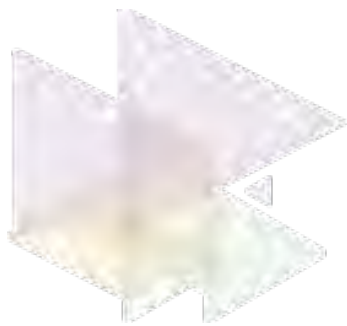
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# Fostering the Next Generation of Researchers

2017 Health Disparities Research Institute

August 14th - 18th, 2017



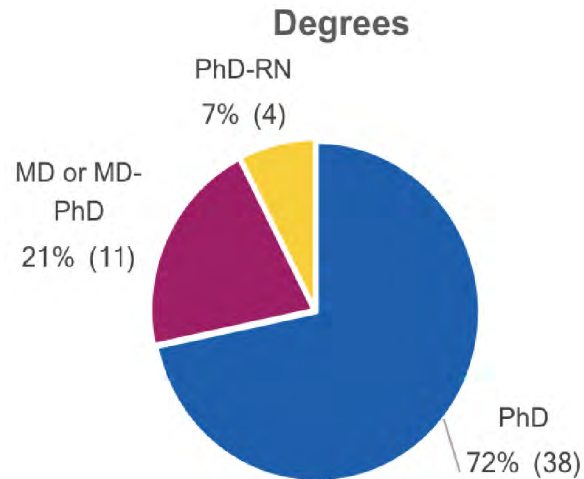
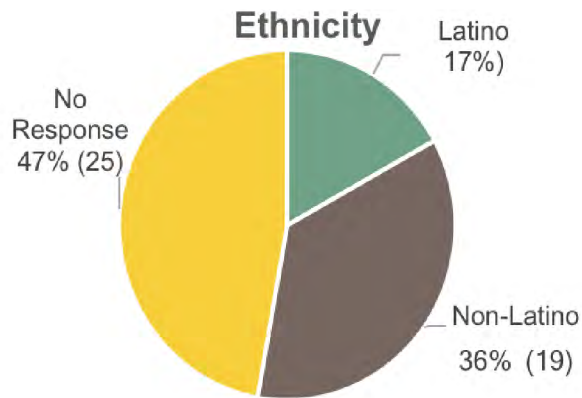
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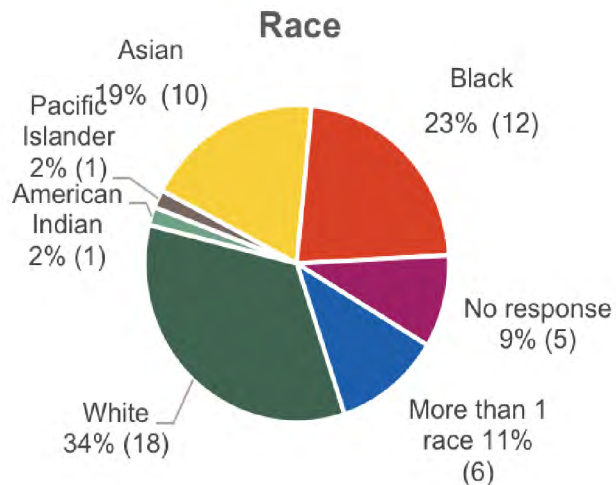
# Health Disparities Research Institute 2017 Cohort

2016	2017
481 applications submitted	240 applications submitted
51 Accepted	53 Accepted

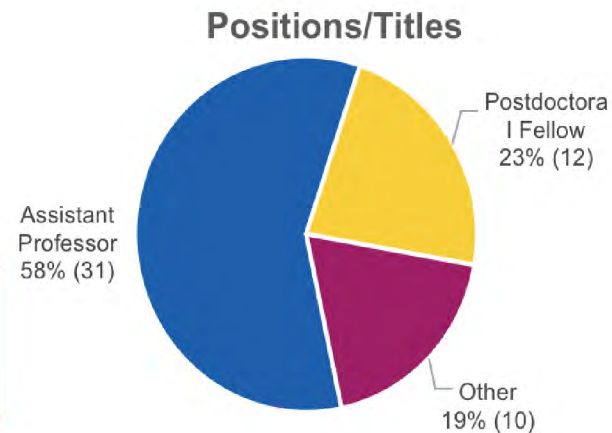
Gender	
Female	83% (44)
Male	15% (8)
No response	2% (1)



States Represented	
AZ: 1	MN: 1
CA: 7	MO: 3
CT: 4	NC: 3
FL: 2	NJ: 2
GA: 1	NY: 5
HI: 1	OH: 1
IL: 3	PA: 4
IN: 1	RI: 1
LA: 1	TX: 3
MA: 1	WA: 2
MD: 1	WI: 1
MI: 3	WV: 1



Minorities **46%**  
 White 34%  
 More than 1 race 11%  
 No response 9%



Other: Scientist, Research Associate, Research Scholar, Senior Analyst, Instructor, Coordinator

# Fostering the Next Generation of Researchers

## New Research Fellows and Scholars



**Jennifer Bayly, BS**  
Rutgers University, NIH  
Medical Research Scholars  
Program, DIR Social and  
Behavioral Group  
Mentor: Dr. Kelvin Choi



**Sophie Claudel, BS**  
Wake Forest University, NIH  
Medical Research Scholars  
Program  
Mentor: Dr. Tiffany Powell-  
Wiley



**Fernando Vasquez, BS**  
Dartmouth University,  
NIH Medical Research  
Scholars Program  
Mentor: Dr. Andrew  
Mannes



**Jean Damascene Kabakambira, MD**  
Kigali University Teaching Hospital,  
Rwanda  
NIDDK-NIMHD Fellowship  
Collaboration with Rwanda Ministry of  
Health  
Mentor: Dr. Anne E. Sumner



**Rada Dahger, PhD, MPH**  
American Association for the  
Advancement of Science,  
Science & Technology Policy  
Fellowship Program  
Mentor: Dr. Regina James



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# Fostering the Next Generation of Researchers

## Association of American Indian Physicians (AAIP) National Native American Youth Initiative Visits NIH

On July 3 and 5, a group of American Indian high school students from across the country visited NIH. They were selected as part of the AAIP, which is aimed at introducing biomedical research to high school students from American Indian and Alaska Native backgrounds.

The event is coordinated annually by DeLoris Hunter, PhD, NIMHD Program Officer.



Photo: NIH Record



# NIMHD Recognized with NIH Director's Awards on September 1, 2017



Awardees include Dr. Courtney Aklin, Dr. Joyce Hunter, Ms. Priscilla Grant, Dr. Jennifer Alvidrez, Dr. Derrick Tabor, Dr. Rina Das, Phuong-Tu Le, and Dr. Michael Sayre

# Scientific Program Updates

- **New RCMI FOA published**
- **American Journal of Public Health Supplement on Science Visioning**
- **Research in Minority Health and Health Disparities Book update**
- **Considerations to develop a K-award program in FY 2018**
- **Re-establish BUILD/NRMN connection within NIH**



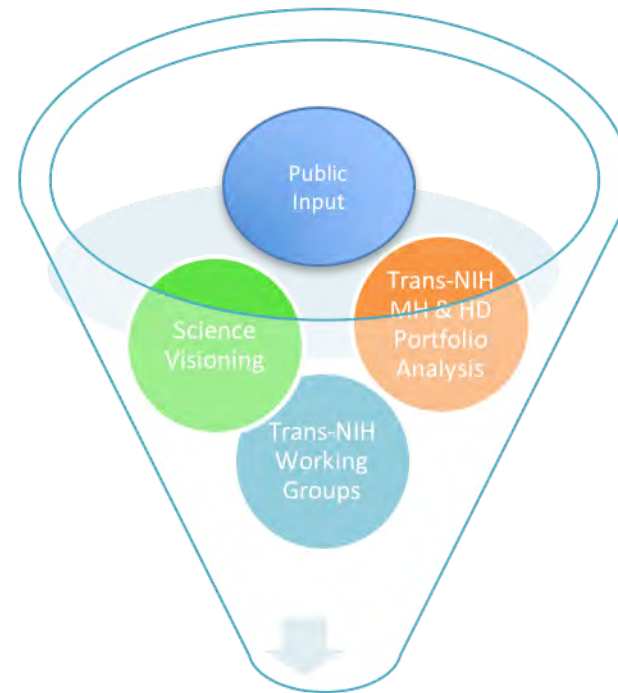
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# Trans-NIH MH/HD Definitions, Coding and Strategic Plan

- **Trans-NIH Working Groups**
  - **Definitions of MH/HD**
  - **Coding**
  - **Communications**
  - **Strategic Planning**
- **Science Visioning**
  - **Working Groups**
  - **Scientific Workshops**
  - **Recommendations**
- **Trans-NIH MH & HD Portfolio Analysis**
- **Trans-NIH Committee to draft Framework for Strategic Plan**



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# Coding Categories Generated for 2015 Portfolio Analysis

- **Scientific Research on Minority Health**
- **Scientific Research on Health Disparities**
- **Inclusion** of diverse participants in clinical studies using the 25% target but not designed to generate specific knowledge regarding populations
- **Workforce Diversity:** training in biomedical research for students and investigators from diverse populations
- **Capacity Building to Conduct Research:** supports biomedical research at institutions serving disparity populations or to conduct MH/HD research
- **Outreach, Collaboration and Dissemination**



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# Overview of Trans-NIH Minority Health and Health Disparities Strategic Plan

## Scientific Research Goals

1. Minority Health
2. Etiology of HD
3. HD Interventions
4. Measures and Metrics

## Research-Sustaining Activity Goals

5. Training: Diversity and MH & HD Workforce
6. Capacity Building to conduct research
7. Inclusion of Minorities in Clinical Studies

## Outreach, Collaboration and Dissemination Goals

8. Community Engagement, Dissemination and Implementation
9. Research Community Building



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# NIMHD Staff News



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# New Staff



**Julia Cen Chen**  
PhD Candidate in Public Health,  
Intramural Research Training  
Award Fellow, Division of  
Intramural Research, Social and  
Behavioral Group



**Ranae Harris**  
New Administrative  
Officer in Office of  
Administrative  
Management



**Bambi Jewett, RN,  
BSN**  
Research Nurse, Division  
of Intramural Research,  
Social and Behavioral  
Group



**Shelly Pollard, MBA**  
Public Affairs  
Specialist in Office of  
Communications and  
Public Liaison



# Staff Departures



**Chris Spates**

Retired



**Jessica Escobedo, PhD**

Accepted position as  
Director of Science Policy  
at a consulting firm



**Sherine El-Toukhy, PhD**  
IRTA Postdoc Fellow

Transferring from NIMHD  
Intramural to Dr. Perez-  
Stable's lab at NHLBI



**Melanie Sabado, PhD**  
Coleman Research  
Innovation Award  
Recipient

Accepted a Tenure-  
Track Assistant  
Professorship at CSU,  
Los Angeles



**Steven Newell, PhD**

Accepted position as  
Senior Legislative  
Analyst at the  
American  
Psychological  
Association



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# Scientific Advances



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## Medical Students Intent to Work with Underserved

- **AAMC graduate survey, 2010-12, N=40,836**
- **Predictors of intent to work in underserved communities by demographics, specialty plans, and debt burden**
- **Women OR = 1.59**
- **Primary Care = 1.65**
- **URMM = 2.79 (other minorities = 0.99)**
- **Adjusted for loan burden (63% URM had >200k)**

*Garcia A, et al, Academic Medicine 2017, in press*



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## Medical Students in Alpha Omega Alpha

- 4655 US medical students from 123 medical schools applying to 12 residencies in 2014-15
- Membership in AOA by race/ethnicity
- 966 AOA members
- **White: 72% vs 52%; Black: 1% vs 7.3%; Latino: 2.8% vs. 4.3%; Asian 17.4% vs. 27.2%**
- **Adjusted OR for AOA Status: Black 0.16, Latino 0.79, Asian 0.52**
- **Women, Gold Humanism, USMLE score, author of paper all increased odds**

*Boatright D, et. al., JAMA Internal Medicine 2017;177: 659-665*



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## RCMAR: Promoting Diverse Investigators, 1997-2015

- **NIA funded Centers to support methods and pilot studies by scholars in minority aging**
- **266 funded scholars from 12 centers**
- **Latino 17%, Black 38%, AI/AN 9%, Asian 21%, Pacific Islander 1%**
- **18 awarded NIH R01 or equivalent**
- **Most remain in research and leadership**
- **Long-term mentoring, community engagement, successful research sites**

*Harawa NT, J Clin Transl Sc 2017; doi:10.1017/cts.2016.23*



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## Effects of Direct Mail Marketing on Tobacco Use Behavior: PATH Results

- **First US national study to assess the impact of tobacco direct mail marketing on smoking behaviors**
- **Individuals of lower education and income, regardless of smoking status, were more likely than those of higher education and income to be exposed to this marketing strategy**
- **Exposure to this marketing strategy was associated with progression of smoking among nonsmokers and difficulty in smoking cessation among smokers**
- **Tobacco direct mail marketing could contribute to SES-related tobacco use disparities**

*Choi, K., Soneji, S., Tan, A. Nicotine and Tobacco Research. 2017 Jun. doi: <https://doi.org/10.1093/ntr/ntx141>].*



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# Trends in Stroke Death Rates

Age-standardized Rates, 2000-2015, age  $\geq$  35 y  
MMWR, September 6, 2017, 66: 1-7

	2000	2015
<b>Whites</b>	<b>115.2</b>	<b>71.3</b>
<b>Blacks</b>	<b>161.1</b>	<b>102.0</b>
<b>Asians/PI</b>	<b>103.3</b>	<b>58.5</b>
<b>AI/AN</b>	<b>97.2</b>	<b>62.1</b>
<b>Latinos</b>	<b>89.7</b>	<b>62.5</b>



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## Racial/Ethnic Differences in Perception of Need for Mental Health Treatment

- 6 years of cross-sectional data from the National Survey of Drug Use (NSDUH, N = 232,723) to examine perceived need across levels of mental illness (none, mild, moderate, serious).
- Across all levels of mental illness, African American, Latino, and Asian respondents had lower levels of perceived need compared to Whites.
- Among those with serious mental illness, Asians were 23% less likely to perceive need and Latinos interviewed in Spanish were 33% less likely to perceive need compared to Whites.
- Perception of need for mental health treatment need to be taken into account in efforts to reduce mental health treatment disparities.

*Breslau J, et al. Soc Psychiatry Psychiatr Epidemiol (2017): 52(8), 929-937.  
R01MD010274, Policy Impacts on Behavioral Health Care Disparities.*



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## Substance Use Treatment and Criminal Justice Involvement in Facilitating HIV/HCV Testing and HIV Care

- **Role of substance use treatment and criminal justice involvement in facilitating HIV and Hepatitis C testing and HIV care and initiation of ART among low SES, predominantly African American illicit drug users (N=2072).**
- **History of substance use treatment had higher levels of HCV and HIV testing, and among HIV-positive individuals, greater access to HIV care and treatment among HIV-positive individuals.**
- **History of incarceration or community supervision reported higher levels of testing, but not greater access care or treatment.**

*Lambdin BH, et al. Addict Sci Clin Pract (2017): 12(1), 13. **R01MD007679**, Criminal Justice & Health Disparities among African American Women Who Use Drugs (PI: Lorvick, Jennifer).*



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# Potential New Strategy for Treating Sleep Disorders

- The conserved circadian clock gene *Bmal1* is critical for sleep regulation; restoring *Bmal1* expression in the brains of *Bmal1*-knockout mice did not rescue *Bmal1*-dependent sleep phenotypes.
- Sleep deficit phenotypes could be reproduced or rescued by knocking out or restoring *Bmal1* exclusively in skeletal muscle, demonstrating that *Bmal1* expression in skeletal muscle is both necessary and sufficient to regulate total sleep amount.
- May lead to a new potential target—skeletal muscle—for treating sleep disorders. The beneficial effects of exercise on sleep may be mediated by skeletal muscle circadian clocks.

Ehlen JC, et al. *Bmal1* function in skeletal muscle regulates sleep. [Elife](#). 2017 Jul 20;6. pii: e26557. [G12MD007602](#), Morehouse School of Medicine (PI: Vincent Bond)



# Kidney Allocation System and Transplants Among Blacks and Latinos

Melanson TA, et al. Health Affairs 2017; 3: 2078-2085

- **White ESRD patients more likely to receive transplants compared to Blacks and Latinos**
- **Evaluate new allocation system implemented in 2014**
- **In 179,071 transplant wait list events with calculated monthly transplants of 34,133**
- **Transplantation rates narrowed by 0.29% for Blacks and 0.24% for Latinos compared to Whites; both became non-significant**

*NIMHD R01MD010290, Patzer RE, PI*



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# Grant Funding Opportunity Announcements and Collaborations



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# NIMHD-Sponsored Research FOAs

Announcement Title	Expiration Date
Clinical and Epidemiological Research on Chronic Disease in the Caribbean (R01)	11/16/2019
Research Centers in Minority Institutions (U54)	12/16/2017
Health Services Research on Minority Health and Health Disparities (R01, R21)	04/12/2019
Social Epigenomics Research Focused on Minority Health and Health Disparities (R01, R21)	11/16/2018
Surgical Disparities Research (R01, R21)	06/08/2019



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# NIMHD-Sponsored Research FOAs

Announcement Title	Expiration Date
Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations (R01, R21)	01/08/2020
Addressing Health Disparities through Effective Interventions Among Immigrant Populations (R01, R21)	01/08/2020
Mechanisms of Disparities in Chronic Liver Diseases and Cancer (R01, R21)	04/05/2019
Mechanisms and Consequences of Sleep Disparities in the U.S. (R01, R21)	07/12/2019



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# Trans-NIH Research FOAs

Announcement Title	Expiration Date
Electronic Nicotine Delivery Systems (ENDS): Population, Clinical and Applied Prevention Research (R01)	11/28/2017
Ethical, Legal, and Social Implications (ELSI) of Genomics Research Project Grant Program (R01, R21)	09/08/2020
Multidisciplinary Studies of HIV/AIDS and Aging (R01, R21)	09/08/2020



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## Future NIMHD FOAs

- **Youth Violence Prevention Interventions that Incorporate Racism/Discrimination Prevention**
- **Simulation Modeling and Systems Science to Address Health Disparities**
- **Collaborative Research with Tribal Epidemiology Centers**



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## Future NIMHD FOAs on HIV/AIDS

- **Research on Pre-Exposure Prophylaxis (PrEP) to Prevent HIV in Health Disparity Populations**
- **Mechanisms of HIV-associated co-morbidities among health disparities populations**
- **Prevention and Treatment Research to Address HIV/AIDS Disparities in Women**



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# Council Discussion and Questions



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