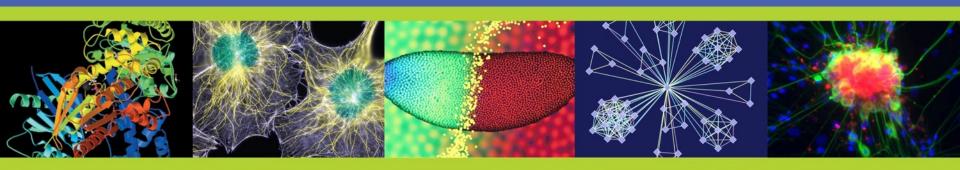




National Advisory General Medical Sciences Council

February 3, 2021

Jon R. Lorsch, Ph.D., Director National Institute of General Medical Sciences



Retiring Council Members

- Sean B. Seymore, Ph.D., J.D.
 Vanderbilt Law School
- Michael Summers, Ph.D.
 Department of Chemistry and Biochemistry University of Maryland, Baltimore County





Ad hoc Council Participants

- Sharona E. Gordon, Ph.D.
 Professor
 Department of Physiology and Biophysics
 University of Washington
- Lesilee S. Rose, Ph.D.
 Professor
 Department of Molecular and Cellular Biology
 University of California, Davis





Early Career Investigator *Ad Hoc* Council Participants

- Beth L. Dumont, Ph.D.
 Assistant Professor
 The Jackson Laboratory
- Jingru Sun, Ph.D.
 Assistant Professor
 College of Medicine
 Washington State University





NIGMS Deputy Director Retirement

Judith Greenberg, Ph.D.

- 45 years of service to NIH (mostly at NIGMS)
- Served as NIGMS acting director (May 2002 to November 2003 and July 2011 to August 2013)



- Advised NIH on topics including human embryonic stem cells, gene therapy, and biomedical career advancement for women
- Led the NIH Director's Pioneer Award and New Innovator Award programs; project officer for the NIGMS Human Genetic Cell Repository
- Dorit Zuk, Ph.D., now serving as NIGMS acting deputy director

New NIGMS Division Director

Dorothy Beckett, Ph.D.

- Joined NIGMS on January 19 as director of the Division of Biophysics, Biomedical Technology, and Computational Biosciences
- Previously a professor in the Department of Chemistry and Biochemistry at the University of Maryland, College Park
- Research focused on the physical chemistry of protein function and its role in regulatory biology
- President of the Biophysical Society from 2014 to 2015
- Thanks to Judith Greenberg and Erica Brown for being acting directors of BBCB!



New NIGMS Branch Chiefs

Kenny Gibbs, Ph.D.

 Chief, Undergraduate and Predoctoral Cross-Disciplinary Training Branch
 Division of Training, Workforce Development, and Diversity



Andrew Miklos, Ph.D.

 Chief, Data Modeling and Analytics Branch Division of Data Integration, Modeling, and Analytics



New NIGMS Branch Chiefs

Christina Liu, Ph.D.

Chief, Biomedical Technology Branch
 Division of Biophysics, Biomedical
 Technology, and Computational Biosciences



New Hires

- Charles Ansong, Ph.D., Program Director, Biochemistry and Bio-related Chemistry Branch, Division of Pharmacology, Physiology, and Biological Chemistry
- Tony Baum, Staff Assistant, Division of Management
- Chien-Chung (Chris) Chao, Ph.D., Program Director, Pharmacological and Physiological Sciences Branch, Division of Pharmacology, Physiology, and Biological Chemistry
- Alania Foster, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities









New Hires (cont.)

- Twann Jackson, Management Analyst, Business and Policy Section, Division of Management
- Baishali Maskeri, Ph.D., Program Director, Developmental and Cellular Processes Branch, Division of Genetics and Molecular, Cellular, and Developmental Biology
- Kennice Mason, Management Analyst, Business and Policy Section, Division of Management







New Hires (cont.)

- Lakshmi Matukumalli, Ph.D., Program Director, Networks and Development Programs Branch, Division for Research Capacity Building
- Shakira Nelson, Ph.D., Program Director, Postdoctoral Training Branch, Division of Training, Workforce Development, and Diversity
- Emerald Nguyen, Ph.D., Statistician, Data Modeling and Analytics Branch, Division of Data Integration, Modeling, and Analytics
- Annette Singletary, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities









New Hires (cont.)

- Anastasia Solis, Health Science Policy Analyst, Division of Extramural Activities
- Laurie Stepanek, Ph.D., Program Director, Undergraduate and Predoctoral Cross-Disciplinary Training Branch, Division of Training, Workforce Development, and Diversity





Departures

Vernon Anderson, Ph.D., Program Director,
Biochemistry and Bio-related Chemistry Branch, Division
of Pharmacology, Physiology, and Biological Chemistry
(retirement)



 Julie Barthold, M.D., Program Director, Research Advancement Programs Branch, Division for Research Capacity Building (move to NIDDK)



 Glenda Edmonds, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities (retirement)



Departures (cont.)

 Stefan Maas, Ph.D., Program Director, Developmental and Cellular Processes Branch, Division of Genetics and Molecular, Cellular, and Developmental Biology (move to NCI)



 Peter Preusch, Ph.D., Chief, Biophysics Branch, Division of Biophysics, Biomedical Technology, and Computational Biosciences (retirement)



 Maricela Trujillo, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities (move to National Reconnaissance Office, Department of Defense)



NIH Director and HHS Secretary Announcements

Francis S. Collins, M.D., Ph.D.

- Will continue to serve as the NIH Director
- Has served in this role since 2009



Xavier Becerra, J.D.

- HHS Secretary-Designate
- Has served as Attorney General of CA since 2017



NIGMS Grantee Receives Nobel Prize

2020 Nobel Prize in Chemistry

"for the development of a method for genome editing"





Jennifer Doudna, Ph.D.*

Li Ka Shing Chancellor's Professor of Biomedical Science

Professor of Biochemistry & Molecular Biology Department of Molecular and Cell Biology, Department of Chemistry

University of California, Berkeley

*Shared with Emmanuelle Charpentier, Max Planck Institute for Infection Biology, Berlin, Germany



New NIH COVID-19 Website

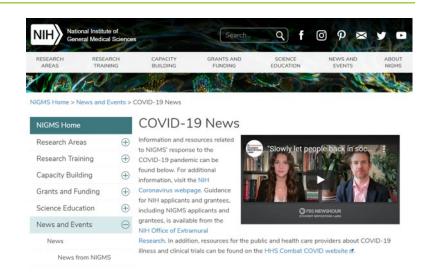
https://covid19.nih.gov NIH NIH's Response to COVID-19 COVID19.nih.gov COVID19. nih.gov NIH COVID-19 Website ✓ Get trusted, up-to-date, accurate **COVID-19 Vaccine** Development: information about NIH research. Behind the Scenes ✓ Learn about vaccines, treatments, and testing that are readily available. Consider Joining a Clinical ✓ Find out how to join clinical trials and view resources from other federal agencies. National Institutes of Health



New NIGMS COVID-19 News Page

- Provides information and resources related to NIGMS' response to the COVID-19 pandemic:
 - NIH RePORTER database search for NIGMS-funded or administered awards related to COVID-19
 - Application and grant flexibilities

 Virtual learning resources COVID-19 related blog posts

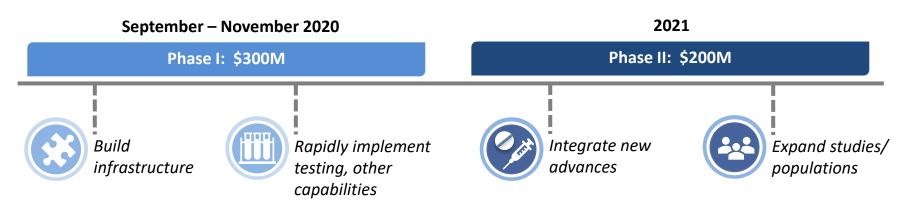


https://www.nigms.nih.gov/News/Pages/covid-19-news.aspx

RADx-Underserved Populations (RADx-UP)

Overarching Goals

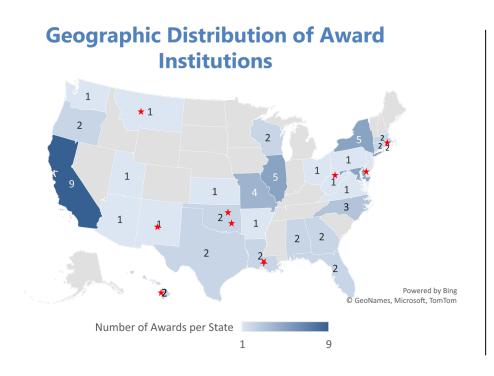
- Enhance COVID-19 testing among underserved and vulnerable populations across the US.
- Develop/create a consortium of community-engaged research projects designed to rapidly implement testing interventions.
- Strengthen the available data on disparities in infection rates, disease progression and outcomes, and identify strategies to reduce these disparities in COVID-19 diagnostics.

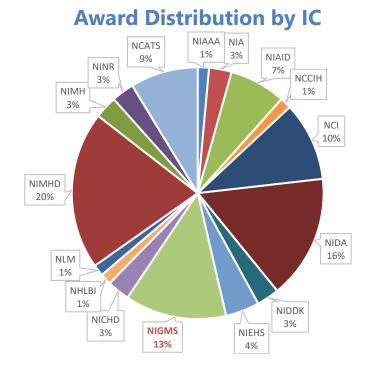


RADx-UP Phase I Snapshot: 70 Funded Sites and Research Projects

Funded sites and research projects span a total of **31 states** in addition to DC and Puerto Rico and include **54 institutions**.

Awards were distributed among **16 Institutes and Centers** across the NIH.





Developing a Culture of Safety in Biomedical Research Training

- Perspective Molecular Biology of the Cell (MBoC) by Michelle R. Bond, Alison E. Gammie, and Jon R. Lorsch October 15, 2020 https://www.molbiolcell.org/doi/10.1091/mbc.E20-03-0167
- Held NIGMS webinar as part of our series for the training community November 5, 2020

Watch on demand:

https://www.nigms.nih.gov/News/meetings/Pages/webinars-for-trainees.aspx

Developing a culture of safety in biomedical research training

Michelle R. Bond, Alison E. Gammie, and Jon R. Lorsch* National Institute of General Medical Sciences, National Institutes of Health, Bethesda, MD 2089

ABSTACL: The National institutes of central bledgick Sciences y Volchild, and the U.S. National trustitutes of Health 90°H is committed to supporting the safety of the nations bloomdeal trustitutes of Health 90°H is committed to supporting the safety of the nations bloomdeal have a broad influence across their parent institutions, making them good starting points for our initial efforts to promote the development and maintenance or inhost coffuers greatly at U.S. academic institutions. In this Perspective, we focus on laboratory safety, althought at U.S. academic institutions, in this Perspective, we focus on laboratory safety, althought to other forms of safety including the prevention of hassessment, institutions, and discrimination. We farm the specials or decrease the safety including the prevention of hassessment, institutions, and discrimination. We farm the special on of shootsteps of safety and using a number of recent examples of trapic discrimination of the safety of the

Monitoring Editor Matthew Welch University of California,

Received: Jul 23, 2020 Revised: Aug 13, 2020 Accounted Aug 34, 2020

All new funding opportunity amountements (FOAI) for training programs apportuned by the National National of Gineral Medical Sciences (NOAM) contain the supportation that the programs and promote "Includes a lead on proportion section for thorough controlled the section of safety," Fox, we mean an environment free from hazament and relativistics, in which everyore participating is treated in a respective interaction, and section developed participating in treated on a respective and an expective production learning and measured. We also men that relations should ensure that their composes are as self-as possible so that includeable can be considered to the section of the s

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g principal investigators (Ptc), research staff, and trainees emphasia safety over competing goals.

RECENT LABORATORY ACCIDENTS: SOME TRAC EXAMPLES

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Developing a Culture of Safety in Biome NIGM STREET Training Community

Dr. Craig A. Marlie

Dr. Jyllian N. Kemsley

Thursday, November 5, 2:00-3:00 p.m. ET



Expert Advice on Starting a Lab Series

 Follow-up to the webinar, "Starting Your Own Lab," on June 18, 2020

 Nine NIGMS early career investigators created video responses to most popular questions asked in webinar

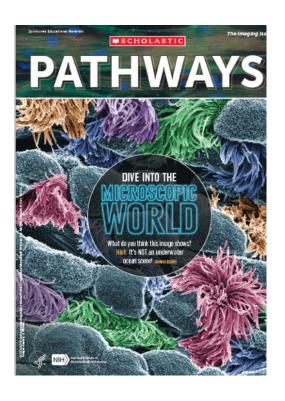


 Videos were featured on social media channels and are now available on YouTube:

https://www.youtube.com/playlist?list=PL9fzcZ7JxMmZZe9HqkPdl_ze6e2rufo-

Pathways: NIGMS & Scholastic, Inc.

5th issue: microscopic imaging coming soon!

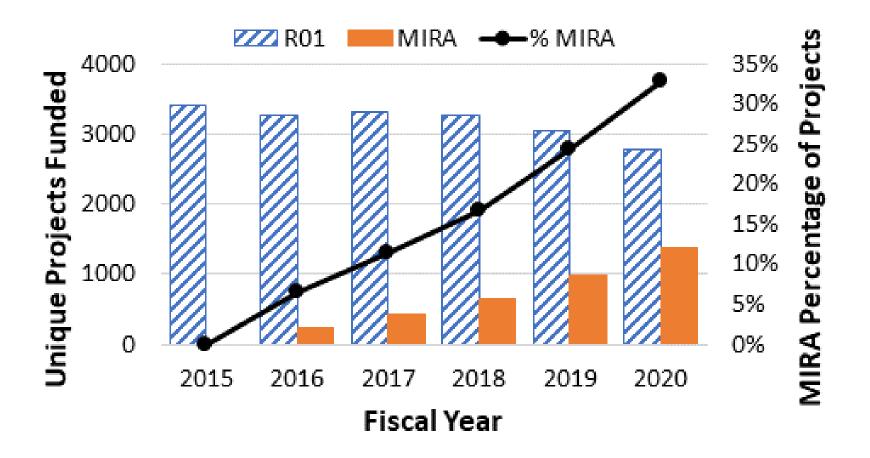


- Will reach an estimated 2.5 million middle and high school students and 19,000 teachers across all 50 states
- Student magazine in Scholastic's Science World March issue
- Lesson plans for teachers that map to curricular standards
- Online activities and videos featuring NIGMS scientists and research

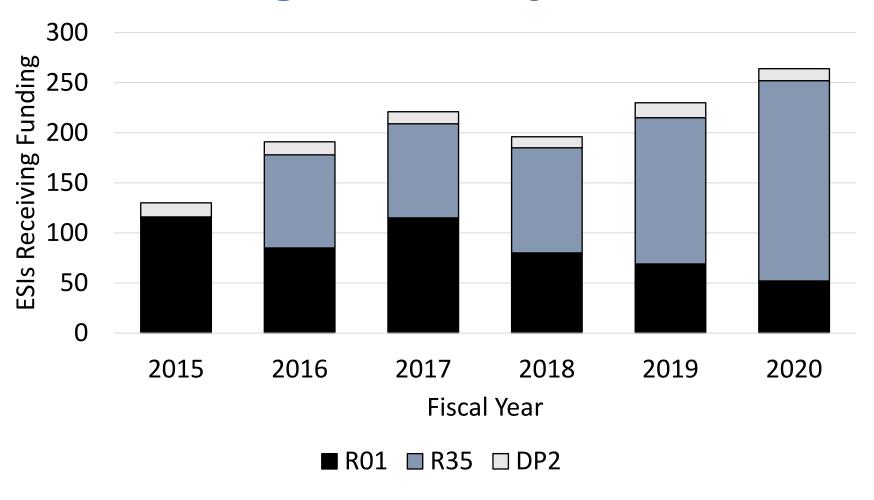
http://www.scholastic.com/pathways



MIRA Makes Up an Increasingly Large Share of NIGMS Grants



The Majority of NIGMS ESIs Are Now Being Funded by MIRAs





First NIGMS MOSAIC Scholars Announced

- NIGMS has announced initial awards to scholars as part of the Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) K99/R00 program.
- Scholars receive up to 5 years of mentored career development and research support; gain skills and expand professional networks through programs administered by MOSAIC UE5 cooperative agreements with ASCB, ASBMB and AAMC.
- Congratulations to the 7 early career scientists who are among NIGMS's inaugural cohort of MOSAIC scholars...

Inaugural Cohort: NIGMS MOSAIC Scholars



John R. Jimah, Ph.D. NIH/NIDDK



Velencia J. Witherspoon, Ph.D. NIH/NICHD



Yadira M. Soto-Feliciano, Ph.D. Rockefeller University



Yvon L. Woappi, Ph.D. Harvard Medical School



Elizabeth V. Wasmuth, Ph.D. Memorial Sloan Kettering



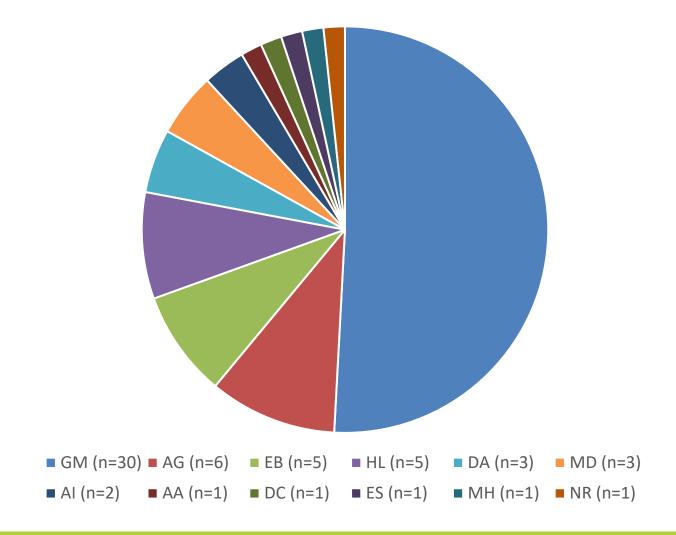
Elias Picazo, Ph.D. Harvard University



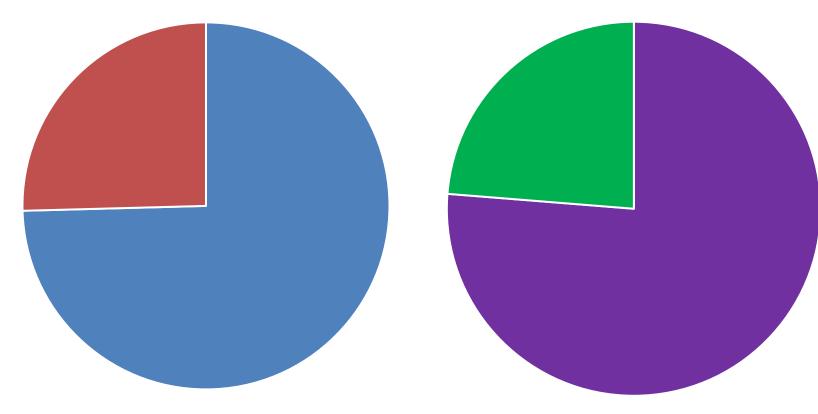
Jenna R. Christensen, Ph.D. UCSD



K99 Applicant Assignments



MOSAIC K99 Applicant Demographics (Self-ID)



Female (n=44; 75%) Male (n=15; 25%) URM (n=45; 76%) WR (n=14; 24%)

Questions or Comments?

