



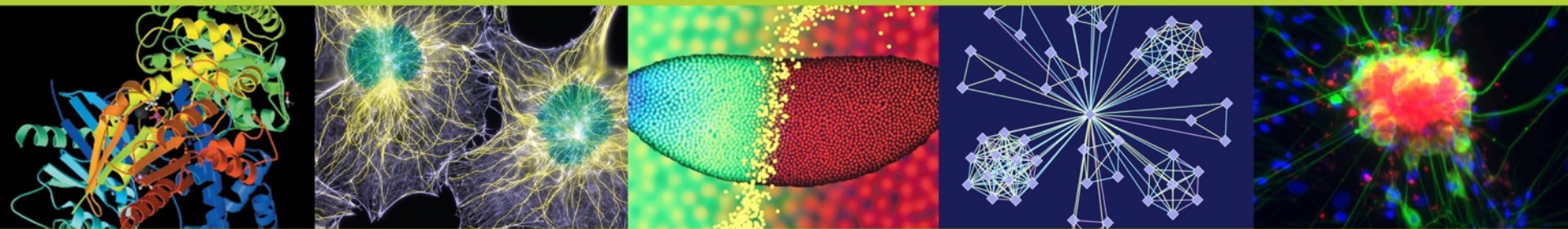
National Institute of
General Medical Sciences



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

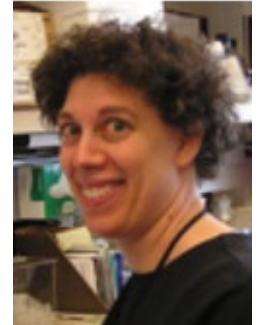


Ad hoc Council Participants

- **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



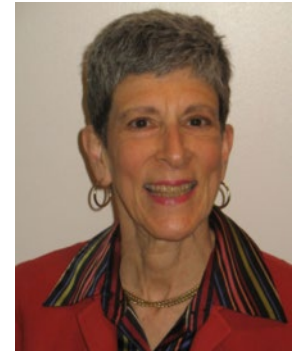
Early Career Investigator *Ad Hoc* Council Participants

- **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



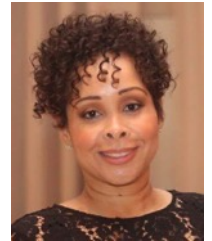
New Hires

- **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



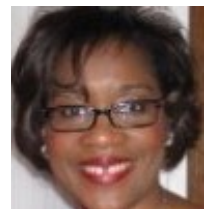
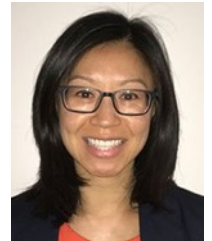
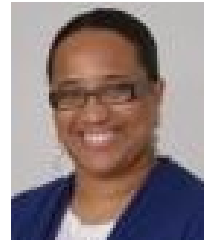
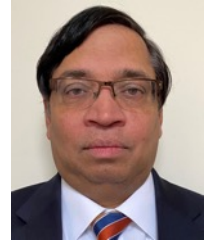
New Hires (cont.)

- **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



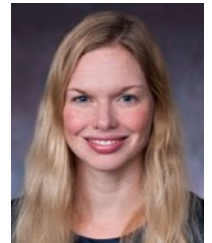
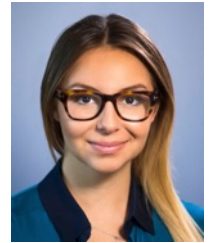
New Hires (cont.)

- **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



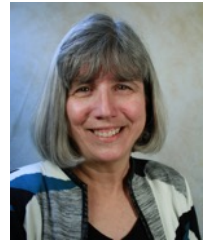
New Hires (cont.)

- **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

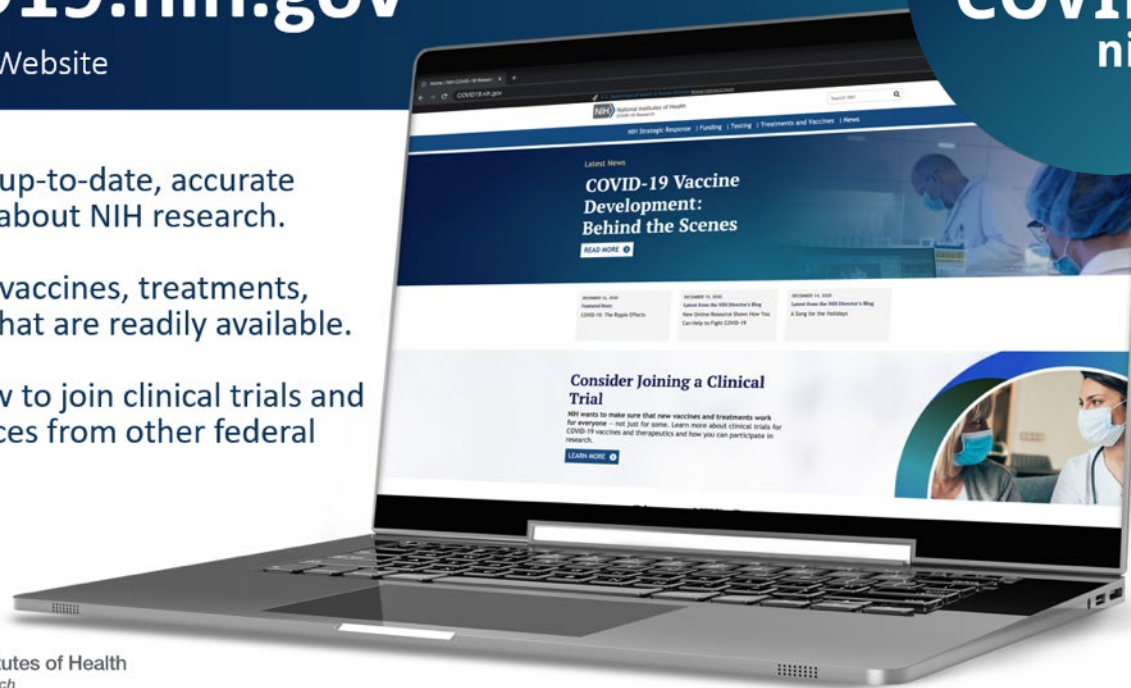
New NIH COVID-19 Website

- <https://covid19.nih.gov>

COVID19.nih.gov

NIH COVID-19 Website

- ✓ Get trusted, up-to-date, accurate information about NIH research.
- ✓ Learn about vaccines, treatments, and testing that are readily available.
- ✓ Find out how to join clinical trials and view resources from other federal agencies.



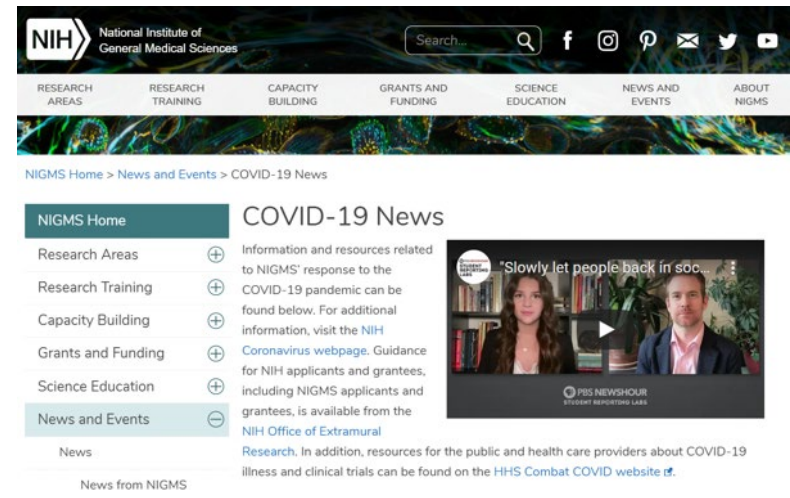
 National Institutes of Health
COVID-19 Research



NIH's Response to COVID-19
COVID19.
nih.gov

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

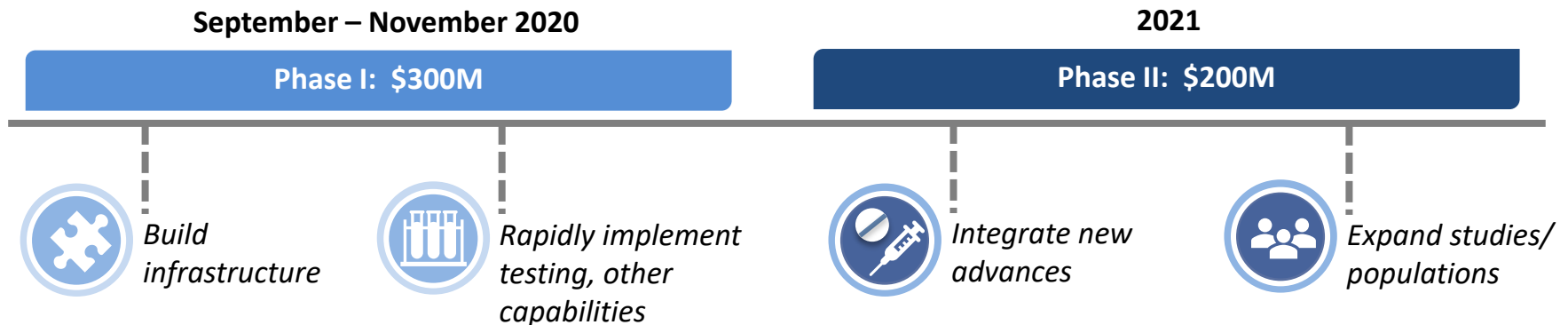


<https://www.nigms.nih.gov/News/Pages/covid-19-news.aspx>

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.

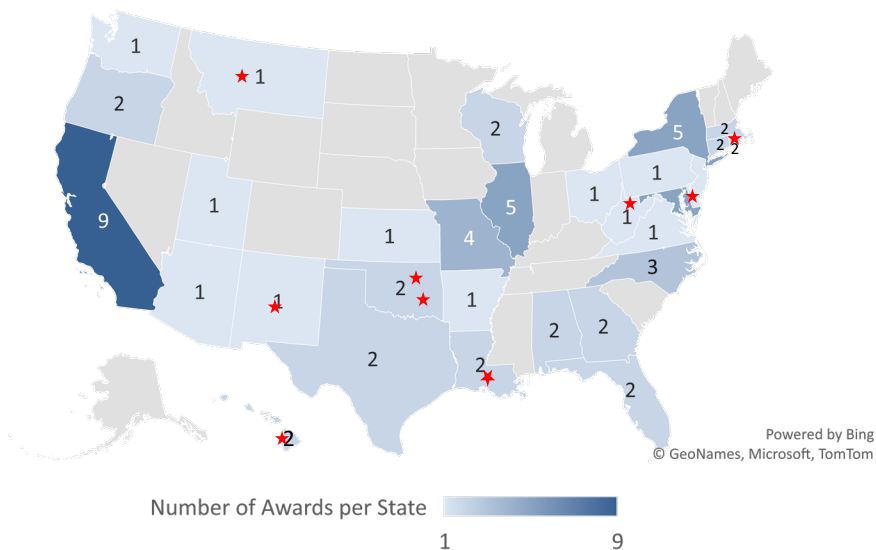


RADx-UP Phase I Snapshot: 70 Funded Sites and Research Projects

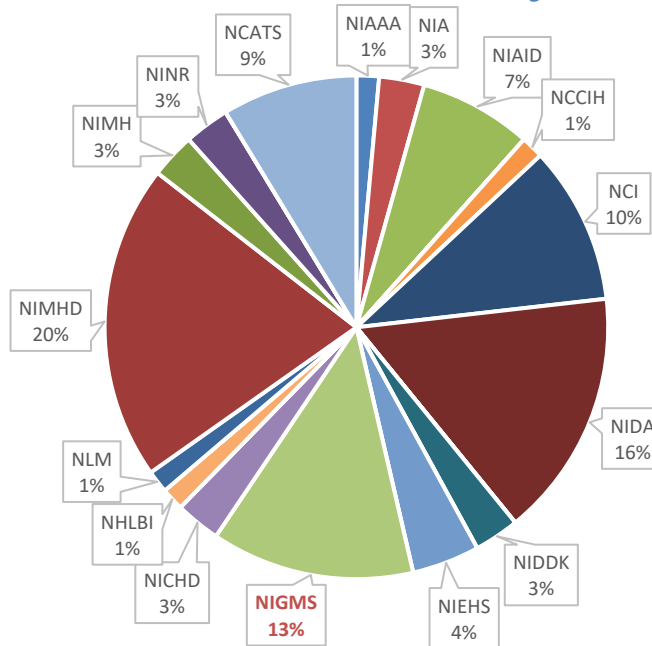
Funded sites and research projects span a total of **31 states** in addition to DC and Puerto Rico and include **54 institutions**.

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

Geographic Distribution of Award Institutions



Award Distribution by IC



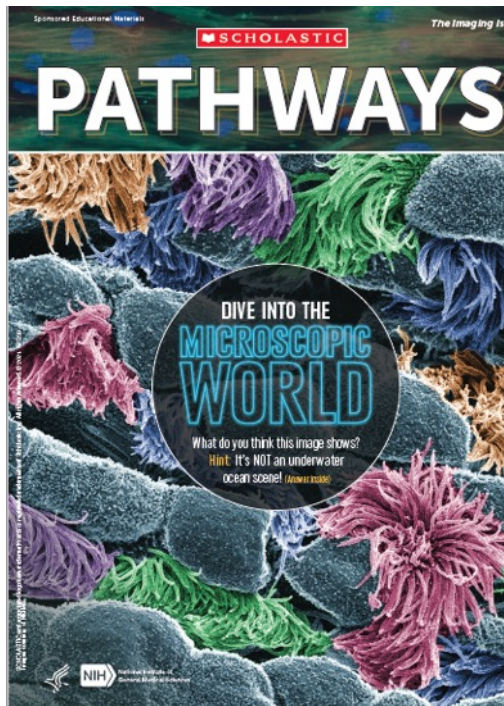
Expert Advice on Starting a Lab Series

- 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=PL9fzcZ7JxMmZZe9H-qkPdl_ze6e2rufo-



Pathways: NIGMS & Scholastic, Inc.

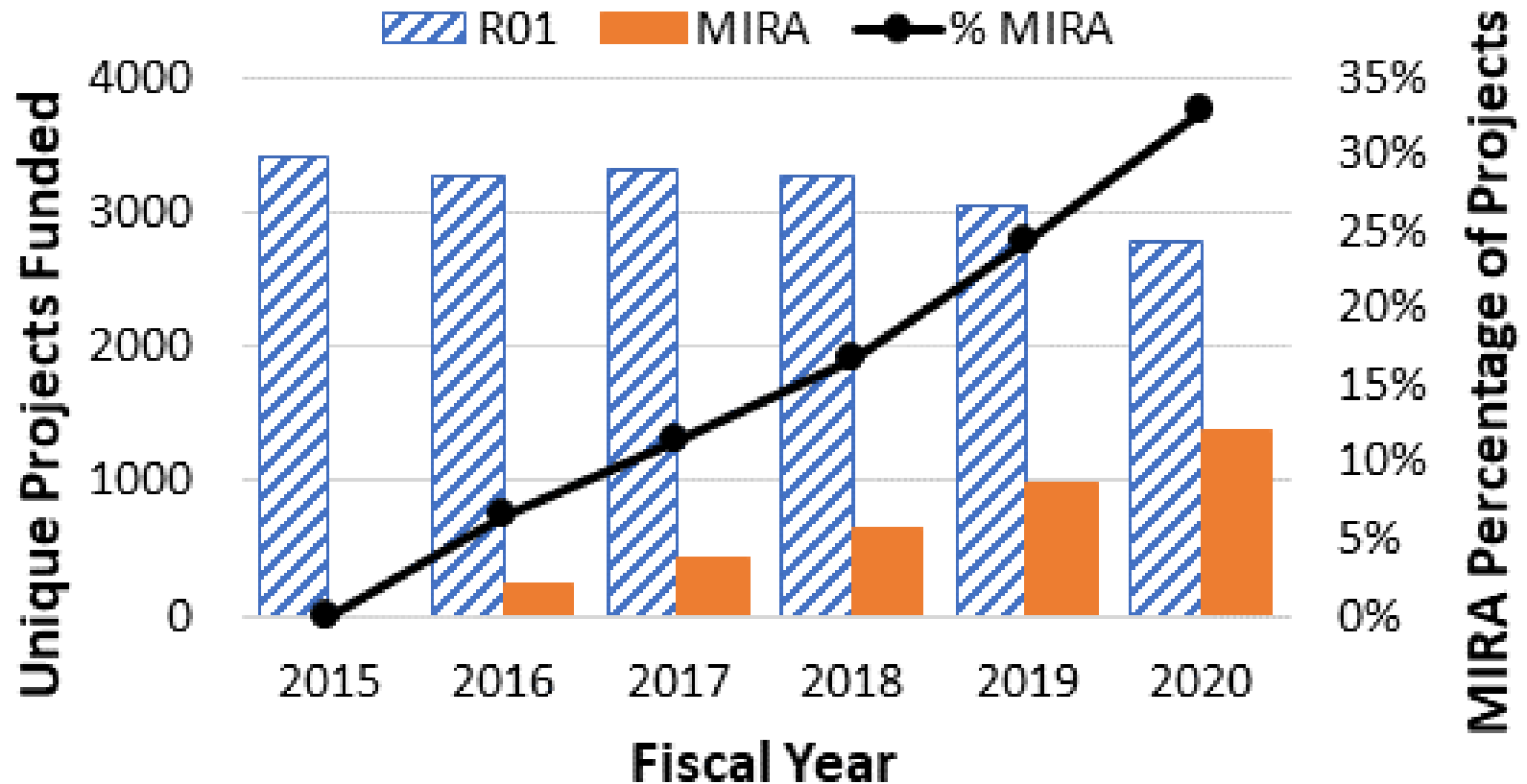
5th issue: microscopic imaging coming soon!



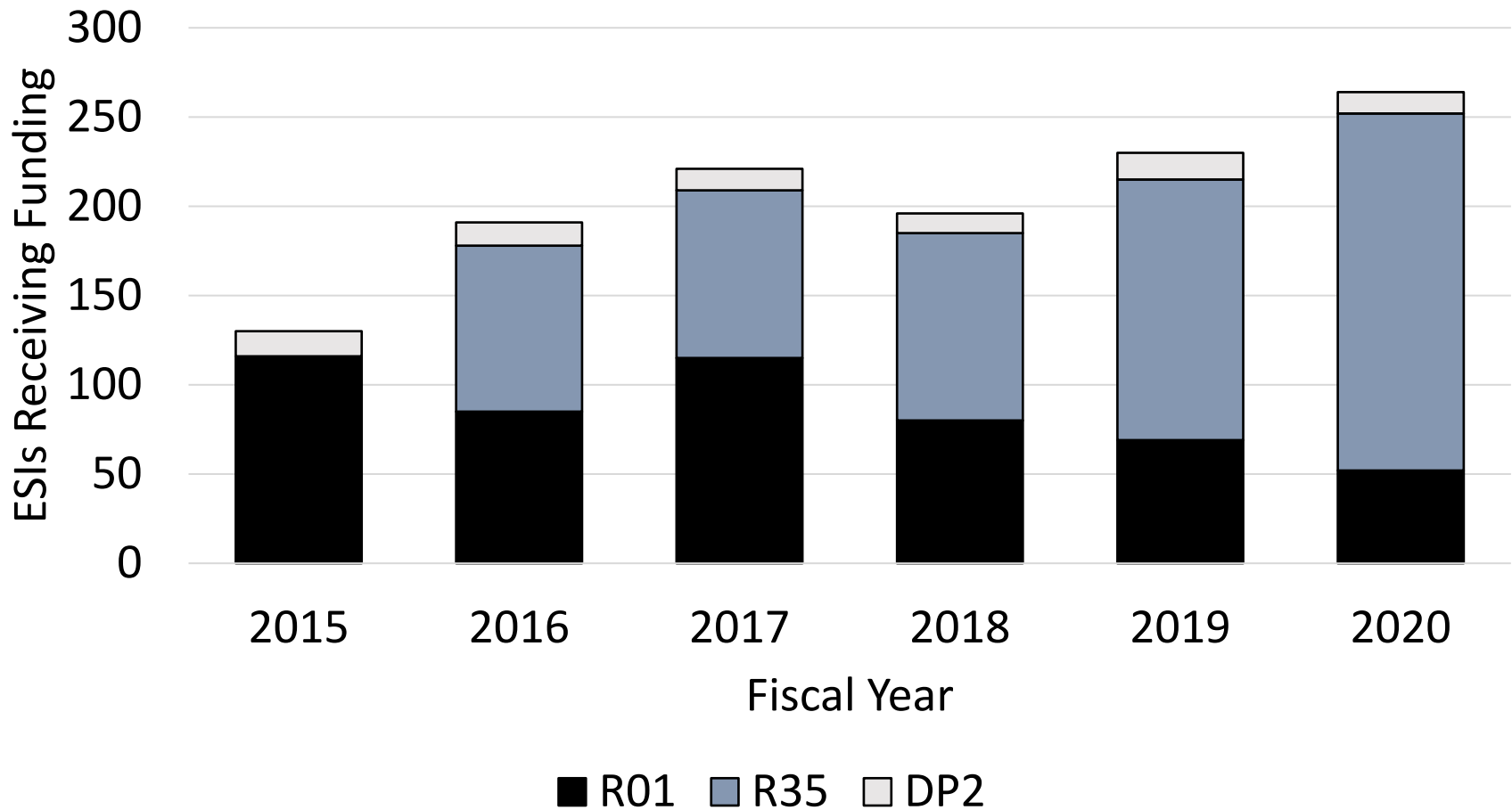
- Will reach an estimated 2.5 million middle and high school students and 19,000 teachers across all 50 states
- Student magazine in Scholastic's *Science World* March issue
- Lesson plans for teachers that map to curricular standards
- Online activities and videos featuring NIGMS scientists and research

<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

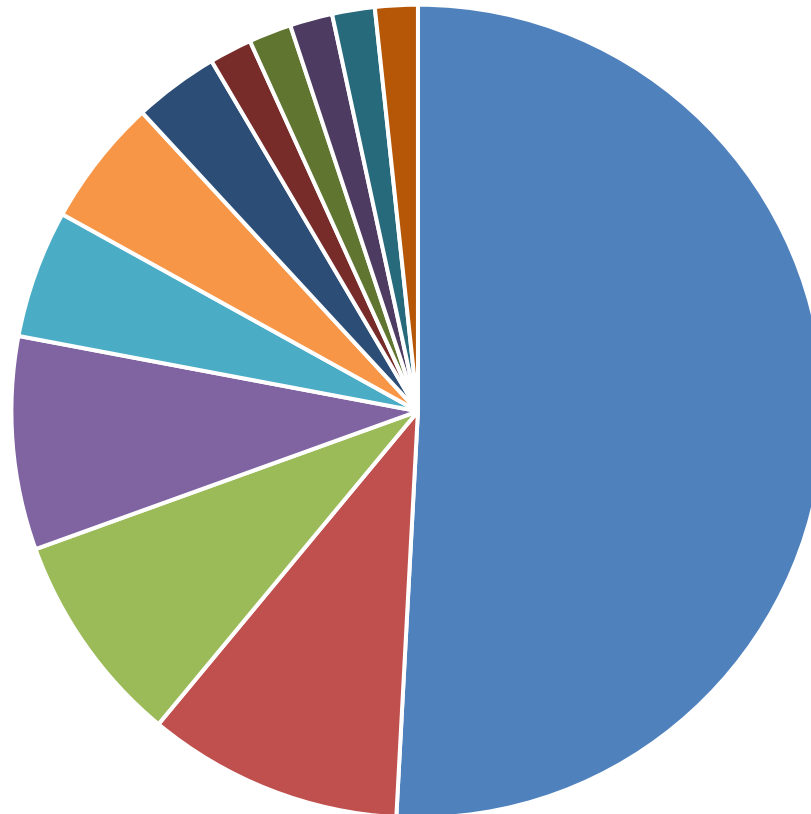


Elias Picazo, Ph.D.
Harvard University



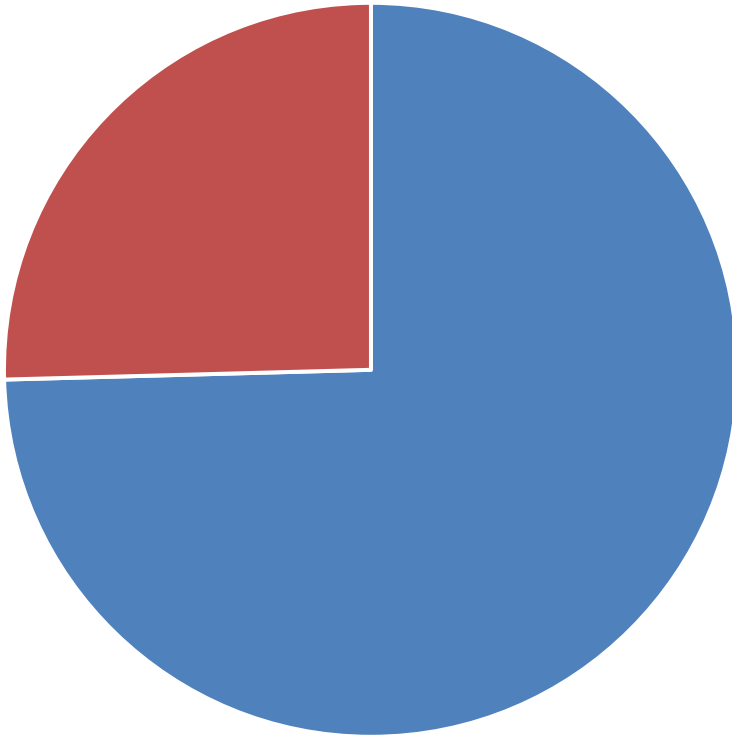
Jenna R. Christensen, Ph.D.
UCSD

K99 Applicant Assignments

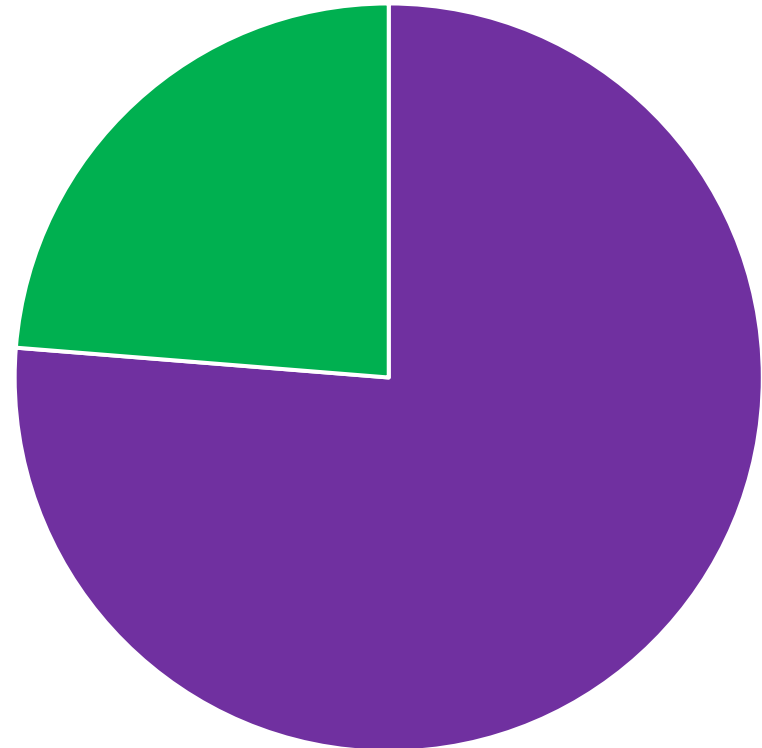


■ GM (n=30) ■ AG (n=6) ■ EB (n=5) ■ HL (n=5) ■ DA (n=3) ■ MD (n=3)
■ AI (n=2) ■ AA (n=1) ■ DC (n=1) ■ ES (n=1) ■ MH (n=1) ■ NR (n=1)

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?

