



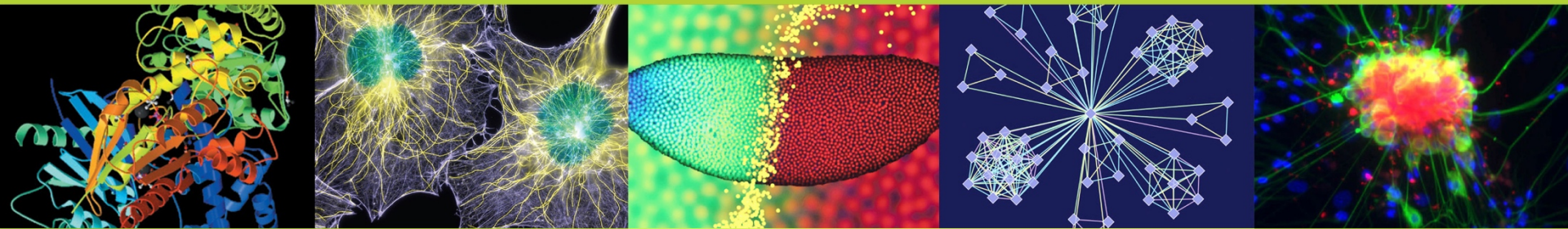
National Institute of
General Medical Sciences



National Advisory General Medical Sciences Council

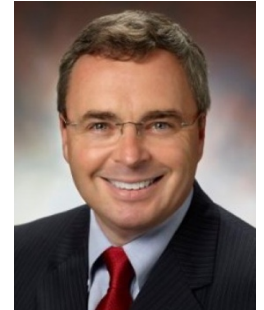
May 20, 2021

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



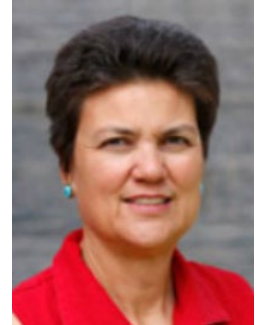
Retiring Council Members

- **Guy Padbury, Ph.D.**
Chief Development Officer
Scorpion Therapeutics
- **Cathy Wu, Ph.D.**
Data Science Institute
Departments of Computer and Information Sciences
and Biological Sciences
University of Delaware



Ad hoc Council Participants

- **Jani Ingram, Ph.D.**
Professor
Department of Chemistry and Biochemistry
Northern Arizona University
- **Natividad (Natacha) Ruiz, Ph.D.**
Professor
Department of Microbiology
Ohio State University



Early Career Investigator *Ad Hoc* Council Participants

- **Anthony Fehr, Ph.D.**
Assistant Professor
Department of Molecular Biosciences
University of Kansas
- **Keolu Fox, Ph.D.**
Assistant Professor
Department of Anthropology
University of California, San Diego



New NIGMS Division Director

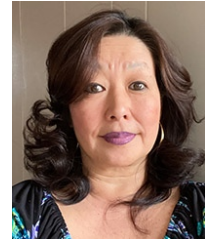
Richard Aragon, Ph.D.

- Director of the Division of Data Integration, Modeling, and Analytics (DIMA)
- Had served as acting director of DIMA since January 2020
- Joined NIGMS in 2014 as chief of the former Office of Program Planning, Analysis, and Evaluation
- Previously held two positions in HHS' Office of the Assistant Secretary for Financial Resources and before that was a program director in the Office of Technology and Industrial Relations, National Cancer Institute



New Hires

- **Crina Frincu, Ph.D.**, Program Director, Research Advancement Programs Branch, Division for Research Capacity Building
- **Lumy Sawaki-Adams, M.D., Ph.D.**, Program Director, Research Advancement Programs Branch, Division for Research Capacity Building
- **Frank Shewmaker, Ph.D.**, Program Director, Biophysics Branch, Division of Biophysics, Biomedical Technology, and Computational Biosciences
- **Fei Wang, Ph.D.**, Chief, Biophysics Branch, Division of Biophysics, Biomedical Technology, and Computational Biosciences



Promotions and Reassignments

Promotions

- **Katherine Kan**, Program Specialist, Administrative Services Branch, Division of Management
- **Arthur Silver**, Program Specialist, Administrative Services Branch, Division of Management



Reassignments

- **Zuzana Justinova, Ph.D.**, Program Director, Pharmacological and Physiological Sciences Branch, Division of Pharmacology, Physiology, and Biological Chemistry



NIGMS Job Vacancies

- **NIGMS Small Business Development Strategy Coordinator**
- **NIGMS Clinical Research Strategy Coordinator**
- **Program Director/Health Scientist Administrators:**
 - Division of Biophysics, Biomedical Technology, and Computational Biosciences
 - Division of Pharmacology, Physiology, and Biological Chemistry
- Positions opened on May 17 and will close on May 26

https://nigms.nih.gov/about/job_vacancies

NIH Departure

Christopher P. Austin, M.D.

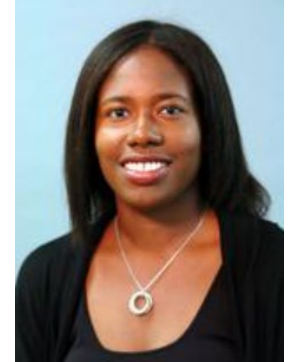
- Left position as director of the National Center for Advancing Translational Sciences (NCATS) in April
- Had served as NCATS director since 2012
- Joined NIH in 2002 as senior advisor and director for the Center for Translational Therapeutics at the National Human Genome Research Institute
- **Joni L. Rutter, Ph.D.**, now serving as NCATS acting director



Save the Dates: Upcoming NIGMS Lectures

Early Career Investigator Lecture*

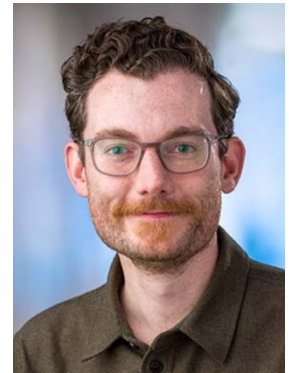
- **Elizabeth Johnson, Ph.D.**
Cornell University
- September 29, 2021



* Re-naming event to honor former NIGMS Deputy Director Judith H. Greenberg, Ph.D.

Stetten Lecture

- **Trevor Bedford, Ph.D.**
Fred Hutchinson Cancer Research Center
- October 20, 2021



NIGMS Strategic Plan 2021-2025

- Published 5/6/21:
 - <https://www.nigms.nih.gov/about/dima/Documents/NIGMS-strategic-plan-2021-2025.pdf>
- Input from multiple stakeholders, including from Council and through an RFI
- Sets the direction and priorities NIGMS will pursue over the next 5 years
- Goals, objectives, and implementation strategies build upon successful outcomes of the prior plan:
 - <https://www.nigms.nih.gov/about/dima/Documents/NIGMS-Strategic-Plan-Outcomes-2015-2020.pdf>
- Representative targets for each implementation strategy

The NIH UNITE Initiative



- U** Understanding stakeholder experiences through listening and learning
- N** New research on health disparities/minority health/health equity
- I** Improving the NIH Culture and Structure for Equity, Inclusion, and Excellence
- T** Transparency, communication, and accountability with our internal and external stakeholders
- E** Extramural Research Ecosystem: Changing Policy, Culture, and Structure to Promote Workforce Diversity

The NIH UNITE Initiative: E Committee



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- E** Extramural Research Ecosystem: Changing Policy, Culture, and Structure to Promote Workforce Diversity
Anna Ordóñez, NIMH; Ericka Boone, OER/OD; Jon Lorsch, NIGMS

Extramural Research Ecosystem



CHARGE

To perform a broad systematic evaluation of NIH extramural policies and processes to identify and change practices and structures that perpetuate a lack of inclusivity and diversity within the extramural research ecosystem

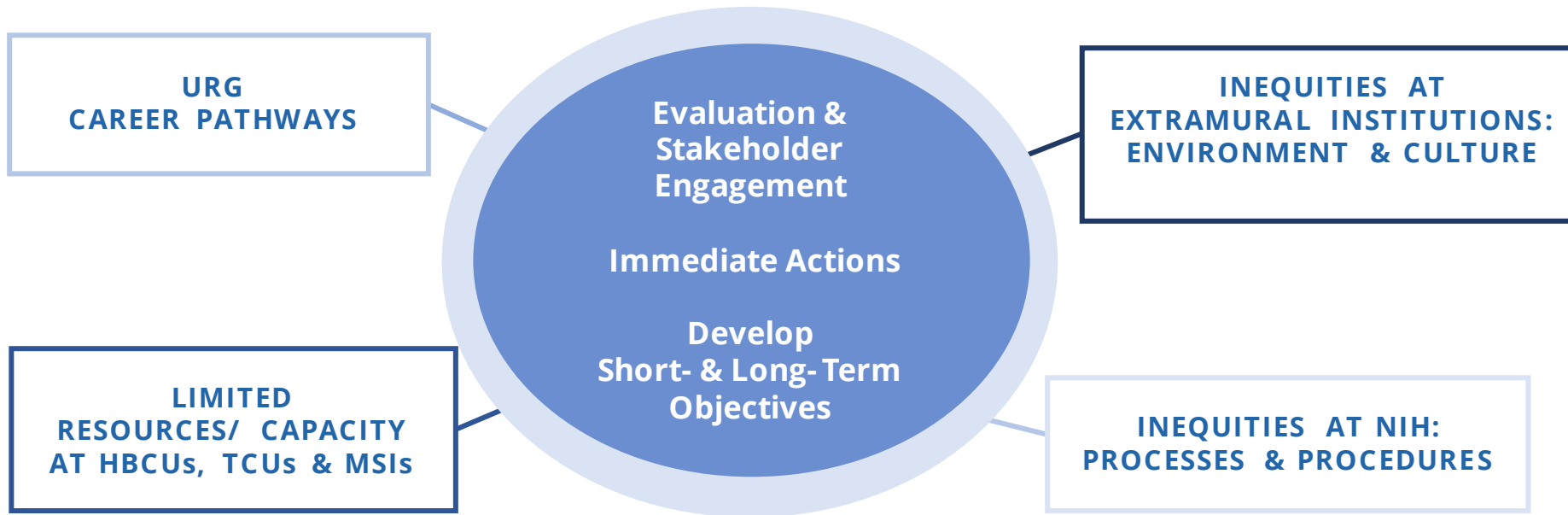
Includes developing strategies to address funding disparities and increase applications that would support individuals from under-represented groups

Extramural Research Ecosystem



FRAMEWORK

CHANGING NIH POLICIES, CULTURE AND STRUCTURES TO PROMOTE EXTRAMURAL WORKFORCE DIVERSITY AND INCLUSION



New NIGMS Initiatives

NIGMS Funding Opportunities:

- Notice of Special Interest: Understanding and Addressing the Impact of Structural Racism and Discrimination on Biomedical Career Progression and the Biomedical Research Enterprise (NOT-GM-21-033)
- Understanding and Addressing the Impact of Structural Racism and Discrimination on Minority Health and Health Disparities (R01 Clinical Trial Optional) (RFA-MD-21-004)



<https://loop.nigms.nih.gov/2021/03/funding-opportunities-addressing-structural-racism-and-discrimination>

NIH Will Provide \$2500 to Fellows and Trainees for Childcare Costs

“NIH recognizes that the high cost of childcare impacts graduate students and post-doctorates funded through NRSA fellowships, and their ability to successfully complete their training and fully participate in the extramural research workforce. Therefore, as part of our ongoing efforts to support family-friendly work environments for the NIH-supported workforce, NIH will begin providing childcare support to recipients of NRSA fellowships, on or after April 8, 2021. In Phase 2 of this initiative, a similar cost will be provided for NRSA-supported trainees (anticipated early FY 2022). For Phase 2 of this initiative, additional information and implementation guidance will be issued.”

NOT-OD-21-074

Supplements for Continuity of Research for First-Time Recipients of NIH RPGs and K Awardees

“This retention program seeks to maintain the productivity of current first-time recipients of eligible independent NIH research project grant awards who are dealing with a critical life event(s), such that they can remain competitive for the first renewal of their award or for a second research project grant award. For retention supplements to support the transition from K award to independence, see the companion NOSI.”

- Up to \$50k for events such as childbirth, adoption, and primary care of an ailing spouse/partner or immediate family member

NOT-OD-20-054; NOT-OD-20-055

Extensions for NIGMS F and K Awardees Significantly Affected by the Pandemic

	Round 1	Round 2	Round 3	Round 4	Totals to Date
Eligible	84	13	26	29	152
Requested	36	6	7	9	58
Awarded	36	6	7	9	58
Percentage	43%	46%	27%	31%	38%

NIGMS Has Issued a Number of Supplement Opportunities

- Equipment
- Training Grant Enhancements:
 - Safe and Inclusive Environments
 - Wellness and Resiliency
 - Mentor Training
 - Lab Safety
 - Undergraduate Curriculum Innovation
 - Program Evaluation
- Undergraduate Summer Research
- Data Science – AI/ML, FAIR Data, Open Software

NIGMS-STRIDES Cloud Computing Pilots

Goal: Democratize high-performance computing and data science

Approach: Provide cloud computing training and cloud credits for research at under-resourced institutions through Google Cloud and Amazon Web Services (AWS)

Cloud Training for up to 500 students/investigators at three levels

- Beginner level (cloud platform users) - class starts on June 4
- Intermediate level (application developers)
- Advanced level (infrastructure developers)



Google Cloud

AWS Research Credit Programs (applications open now)

- Cloud Credit for Research (CCR, \$250,000 total)
- Diagnostics Development Initiative (DDI, \$250,000 total)



Eligibility: Students/investigators from institutions supported by the IDeA and TWD Diversity Enhancing Programs

NIGMS Has Issued a Number of Supplement Opportunities

- SARS-CoV-2 Sequence Surveillance (IDeA & NARCH)
- COVID-19 Vaccine Hesitancy (IDeA, NARCH, & SEPA)
- IDeA CTR COVID-19 Patient Registry/N3C
- COVID-19 Modeling Research

NIH-Wide COVID-19 Updates

- Community Engagement Alliance (CEAL) Against COVID-19 Disparities
 - 5 CEAL sites are in IDeA states
- Rapid Acceleration of Diagnostics for Underserved Populations (RADx-UP) Phase II

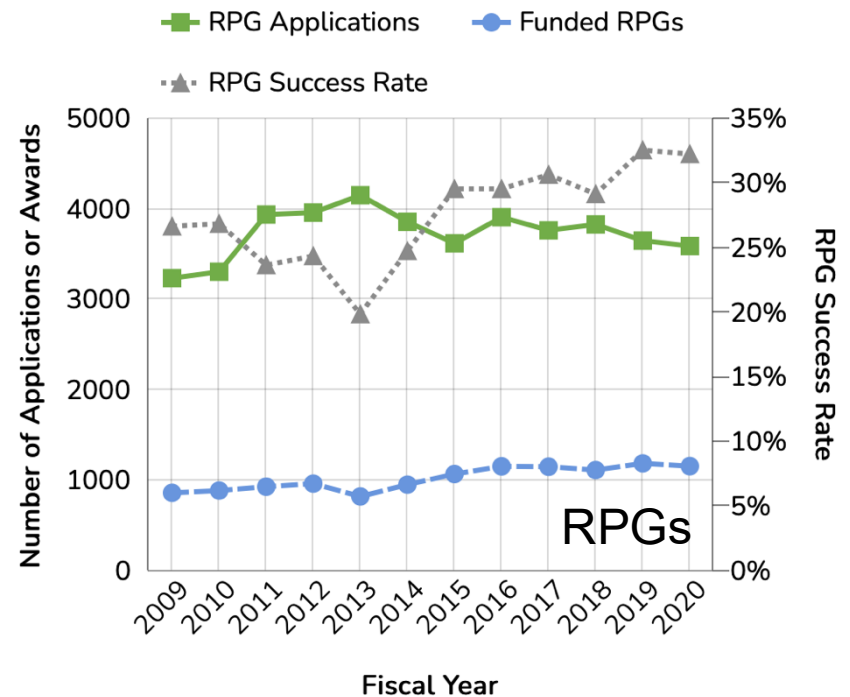
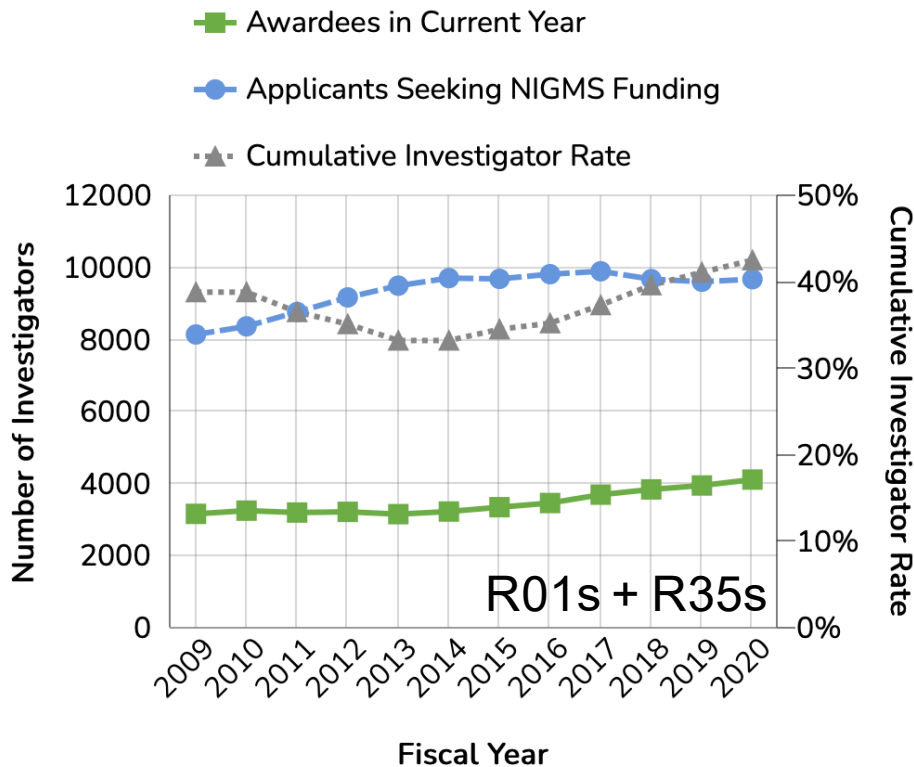


<https://covid19.nih.gov>

RADx-UP Phase II Funding

	NOT-OD-21-103	RFA-OD-21-008	RFA-OD-21-009	NOT-OD-21-101	OTA-21-007
	Testing/ Vaccination	Testing/ Vaccination	Social, Ethical and Behavioral Implications-SEBI	Administrative Supplements for RADx-UP Phase I	Return to School
Mechanism	Competitive Revisions	U01	U01	Admin. Supplements	OTA
Direct Costs/yr	\$750,000	\$750K-\$1.5M	\$400,000	\$300,000	\$3-5 million
Application Receipt	May 24	July 07	July 07	May 10	May 14
Eligibility	NIH grantees	Open	Open	RADx-UP Phase I	Invitees from LOI
Scientific Focus	Testing with vaccines available	Testing with vaccines available	SEBI implications	Vaccine hesitancy	Testing for safe return to school

NIGMS Maintained High Investigator Funding and Award Success Rates in FY 2020



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www.nigms.nih.gov