Retiring Council Member

- **Laura F. Gibson, Ph.D.**
  Senior Associate Vice President for Research and Graduate Education
  Associate Dean for Research, School of Medicine
  Alexander B. Osborn Distinguished Professor
  Hematological Malignancies
  West Virginia University
Ad hoc Council Participants

- **Michael S. Chapman, Ph.D.**  
  Wurdack Professor and Chair  
  Department of Biochemistry  
  School of Medicine and College of Agriculture, Food and Natural Resources  
  University of Missouri

- **Neil Garg, Ph.D.**  
  Distinguished Professor and Kenneth N. Trueblood Chair  
  Department of Chemistry and Biochemistry  
  University of California, Los Angeles
Ad hoc Council Participants (cont.)

- **Laurie Kilpatrick, Ph.D.**
  Professor
  Department of Microbiology, Immunology and Inflammation
  Assistant Dean for Clinical Research
  Lewis Katz School of Medicine
  Temple University

- **Gerald Marschke, Ph.D.**
  Associate Professor
  Department of Economics
  University at Albany, State University of New York
Early Career Investigator Ad hoc Council Participants

• Catherine Fromen, Ph.D.
  Assistant Professor
  Department of Chemical and Biomolecular Engineering
  University of Delaware

• Klarissa D. Jackson, Ph.D.
  Assistant Professor
  Division of Pharmacotherapy and Experimental Therapeutics
  Eshelman School of Pharmacy
  University of North Carolina at Chapel Hill
New NIGMS Division Director

Shawn Drew Gaillard, Ph.D.

• Became director of the Division of Genetics and Molecular, Cellular, and Developmental Biology (GMCDB) in January

• Has been acting director of GMCDB since February 2022 and joined the Division as chief of the Developmental and Cellular Processes Branch in 2019, overseeing grants focused on organismal response to environmental stressors

• Earned a bachelor's degree in natural sciences with a concentration in chemistry from Spelman College and a Ph.D. in biology from Howard University
NIGMS Personnel Changes

New Hires

• **Eddie Billingslea, Ph.D.**, Small Business Strategy Coordinator, Office of the Director

• **Jason Chan, Ph.D.**, Scientific Review Officer, Scientific Review Branch, Division of Extramural Activities

• **Shannon Doyle, Ph.D.**, Health Science Policy Analyst, Division of Extramural Activities

• **Jennifer Levithan**, Deputy Executive Officer, Division of Management
New Hires (cont.)

- **Leslie Nichols**, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities
- **Katherine Patel, Ph.D.**, Health Scientist (Data Science), Data Modeling and Analytics Branch, Division of Data Integration, Modeling, and Analytics
- **Wuhong Pei, Ph.D.**, Program Director, Research Advancement Programs Branch, Division for Research Capacity Building
- **Brian Quay, Ph.D.**, Economist, Data Modeling and Analytics Branch, Division of Data Integration, Modeling, and Analytics
New Hires (cont.)

• **Kamilah Rashid, Ph.D.**, Senior Health Science Policy Analyst, Data Integration and Dissemination Branch, Division of Data Integration, Modeling, and Analytics

• **Troy Zarcone, Ph.D.**, Health Scientist (Data Scientist), Data Integration and Dissemination Branch, Division of Data Integration, Modeling, and Analytics

Promotion

• **Nathan Moore, Ph.D.**, Data Science Strategy Coordinator, Office of the Director
NIGMS Personnel Changes (cont.)

Departures

• **Patrick Brown, Ph.D.**, Undergraduate and Predoctoral Cross-Disciplinary Training Branch, Division of Training, Workforce Development, and Diversity (move to the National Center for Advancing Translational Sciences)

• **Tony Carter, Ph.D.**, Developmental and Cellular Processes Branch, Division of Genetics and Molecular, Cellular, and Developmental Biology (retirement)

• **Dmitriy Krepkiy, Ph.D.**, Biomedical Technology Branch, Division of Biophysics, Biomedical Technology, and Computational Biosciences (move to the National Center for Advancing Translational Sciences)
Departures (cont.)

• **Veerasamy Ravichandran, Ph.D.**, Bioinformatics and Computational Biology Branch, Division of Biophysics, Biomedical Technology, and Computational Biosciences (move to the National Library of Medicine)

• **Lumy Sawaki-Adams, MD, Ph.D.**, Research Advancement Programs Branch, Division for Research Capacity Building (move to the National Institute of Neurological Disorders and Stroke)

• **Peggy Schnoor**, Data Integration and Dissemination Branch, Division of Data Integration, Modeling, and Analytics (retirement)

• **Vickie Southers**, Division of Management (retirement)
Nina F. Schor, M.D., Ph.D.

- Appointed NIH deputy director for intramural research in the NIH Office of the Director effective November 2022; replaced Michael M. Gottesman, M.D., who served as NIH deputy director for 29 years.
- Will lead the NIH Intramural Research Program and facilitate coordination and collaboration among the 24 NIH institutes and centers that have intramural research components.
- Brings substantial experience as an educator, scientist, clinician, and administrator; joined NIH in January 2018 as deputy director of the National Institute of Neurological Disorders and Stroke.
Director, National Center for Advancing Translational Sciences

Joni L. Rutter, Ph.D.

- Appointed director of NIH’s National Center for Advancing Translational Sciences (NCATS) effective November 2022; previously served as acting NCATS director since April 2021.
- Will oversee a diverse portfolio of research activities focused on improving the translational process of turning scientific discoveries into health interventions.
- Has been a leader at NIH in enhancing community engagement and inclusion of underrepresented groups in biomedical research.
Renee Wegrzyn, Ph.D.

- Appointed as the first director of the Advanced Research Projects Agency for Health (ARPA-H), which was newly established to drive biomedical innovation that supports the health of all Americans
  - ARPA-H is an independent entity within NIH, and its director reports directly to the secretary of Health and Human Services
- Responsible for driving the agency’s nascent research portfolio and associated budget, which is expected to support a broad range of programs to take on challenging health problems in pursuit of high-reward solutions
NIH Departures

Roger I. Glass, M.D., Ph.D.

- Served as the director of the Fogarty International Center (FIC) and NIH associate director for international research for nearly 17 years
- As the longest-serving director of FIC, broadened NIH’s global health footprint, partnering with all NIH institutes and centers to advance global health research
- Stepped down in January but will continue to serve as senior scientist emeritus at FIC, focusing on bolstering diversity and equity in Fogarty programs, working with NIH leadership to expand engagement in global health, and reinforcing existing partnerships abroad
John I. Gallin, M.D.

- Serves as the NIH associate director for clinical research and chief scientific officer of the NIH Clinical Center; will retire from federal service in March
- During his career of over 50 years at NIH, played an instrumental role in developing the NIH Clinical Center’s research portfolio and training the next generation of clinical researchers
NIGMS 2022 Fall Lecture Recordings

Judith H. Greenberg Early Career Investigator Lecture
• César de la Fuente, Ph.D.
• University of Pennsylvania
• “Artificial Intelligence Approaches for Antibiotic Discovery”
• Recorded lecture: videocast.nih.gov/watch=45918

DeWitt Stetten Jr. Lecture
• Sally L. Hodder, M.D.
• West Virginia University
• “Biomedical Research in Rural America: Much Accomplished, Much To Do”
• Recorded lecture: videocast.nih.gov/watch=46035
MOSAIC changes the landscape

This training program unites postdocs and professors with goals of diversity, equity and inclusion in academia

By Laurel Oldsach
Feb. 5, 2023

https://www.asbmb.org/asbmb-today/careers/020223/mosaic-changes-the-landscape
• Will support dual-degree clinician-scientist training (e.g., M.D.-Ph.D., D.O.-Ph.D., etc.), with a goal of broadening the institutional and geographic distribution of NIGMS Medical Scientist Training Programs

• Eligibility limited to Historically-Black Colleges and Universities, Tribal Colleges and Universities, and IDeA-State Institutions

• First due date is February 10, 2023; yearly in January thereafter

• Please help us spread the word to eligible institutions!
Support for Research Excellence (SuRE)

Revised Program Objectives

- “Supporting research excellence” instead of “developing R01 grantees” in grantee institutions
- Emphasizing student participation in funded research
- Catalyzing and developing research culture at applicant institutions
- Broadening participation by eligible institutions nationwide

(In 2019 the SCORE portfolio had 194 awards to 48 institutions, 65% of them in CA, NY, and TX)

New SuRE Grants

- Support for Research Excellence (SuRE) Award (R16) - $100k DC/yr, 4 years, renewable
- Support for Research Excellence (SuRE-First) Award (R16)
  – for investigators with no prior research funding. $125k DC/yr, 4 years, not renewable
- SuRE Resource Center (U24)--to broaden participation by building infrastructure & training
Broadening Participation by Eligible Institutions Nationwide

Programmatic efforts to broaden participation

• Established easy-to-follow institutional eligibility using publicly available data

• Extensive outreach activities, including
  o Pre-application webinars prior to every application due date
  o Staff presentations at more than 20 conferences
  o Encouraging faculty at INBRE affiliate institutions to apply

Outcomes

• In the first two years (FY22-23) since launching the SuRE program, 60 applications were submitted from 37 institutions that had never participated in the SCORE program

• From the 30 applications submitted in FY22, 15 received SuRE awards. The 30 submitted in FY23 are currently under review
U24 SuRE Resource Center: Broadening Participation Nationwide

- Establish/strengthen Office of Sponsored Programs through a Seed Grants Program
- Provide training and mentoring to faculty investigators on grant applications
- Nationwide outreach by the PIs and Regional Coordinators and a Steering Committee of stakeholders

PIs (Univ. of Kentucky)
- Brett Spear, PhD
- Paul Murphy, PhD

Regional Coordinators
- Brittany Smalls, PhD
  U of Kentucky
  North/East
- Ruby Broadway, PhD
  Dillard University
  South/Midwest
- Arica Lubin, PhD
  UC-Santa Barbara
  West

Steering Committee
- James Ntambi, PhD
  U of Wisconsin
  ASBMB Council
- Carolyn Bohach, PhD
  U of Idaho
  Sr. Institutional Official
- Michelle Martinez, PhD
  U. Central del Caribe
  SuRE PI
- Zhu Zhou, PhD
  CUNY- York College
  SuRE-First PI
- Fed Bernal, PhD
  NIGMS
  Project Coordinator

OSP Professional
TBN
Broadening Support for IDeA States via Partnerships

- **Office of Research on Women’s Health (ORWH)**
  - A partnership of 16 NIH ICOs to supplement IDeA awards for women’s health research
    - FY20: 27 apps/19 awards; FY21: 26 apps/15 awards; FY23: 42 apps received, awards pending
  - ORWH plans to fund a COBRE in women’s health research

- **Office of Data Science Strategy (ODSS) and NIH STRIDES**
  - Providing free cloud computing training (60 6-hour interactive sessions, each for 15 students)
  - Co-developing cloud-based self-learning tools (NIGMS Sandbox) for biomedical research
  - ODSS plans to fund a COBRE in data science for biomedical research
Excellence in DEIA Mentorship Supplements

• Part of a new NIH program supported by the Chief Officer for Scientific Workforce Diversity (COSWD) that recognizes outstanding mentoring and contributions to enhancing diversity, equity, inclusion, and accessibility (DEIA) in the biomedical sciences

• In 2022, 17 NIGMS grants received more than $3.7 million in administrative supplements to recognize excellence in mentorship and contributions to DEIA

• Applications for 2023 supplements are due February 17; visit bit.ly/3BhhdgG to review COSWD’s DEIA mentorship supplements webpage and learn more
ACD Working Group on Re-envisioning NIH-Supported Postdoctoral Training

Charge

• Evaluate whether there is evidence to support the perceived decline and shortage in PhDs seeking U.S. postdoctoral training positions, and document trends in PhDs choosing nonacademic postgraduate employment

• Assess and consider the factors influencing the scope and persistence of the issue, including COVID-19, the economy and inflation, trends in academic job markets, time to publish, immigration policy, and the growing biotechnology and biopharmaceutical industries

• Review and compare the mechanisms, effects, and relevance of other approaches to postdoctoral training (e.g., in other countries, other systems)

• Consider ways to increase support and retention of postdoctoral trainees on key issues related to quality-of-life and work-life balance concerns

• Engage key parties, both internal and external to the NIH, to understand and strengthen the U.S. postdoctoral training system

https://www.acd.od.nih.gov/working-groups/postdocs.html
How to Improve Communication with the Research Community?

• Getting the word out about programs, policies, outcomes, data, etc. seems to be increasingly difficult

• Social media is rife with misinformation, even about NIGMS programs and policies

• What are the most effective ways for NIGMS to communicate with:
  o Researchers
  o Trainees
  o Administrators & Institutional Leaders