



National Institute of
General Medical Sciences



Jon R. Lorsch, Ph.D.,
Director

National Institute of
General Medical
Sciences

September 18, 2024

National Advisory General Medical Sciences Council

New Council Members

Christopher W. Seymour, M.D., M.Sc.

Associate Professor, Departments of Critical Care and Emergency Medicine

Director, Translational and Clinical Science Program

University of Pittsburgh School of Medicine



Donald K. Warne, M.D., M.P.H.

Provost Fellow, Indigenous Health Policy

Co-Director, Center for Indigenous Health

Professor, Johns Hopkins Bloomberg School of Public Health



New Council Members (contd.)

Leyte Winfield, Ph.D.

Professor, Department of Chemistry and Biochemistry
Chair, Division of Natural Sciences and Mathematics
Spelman College



Retiring Council Members

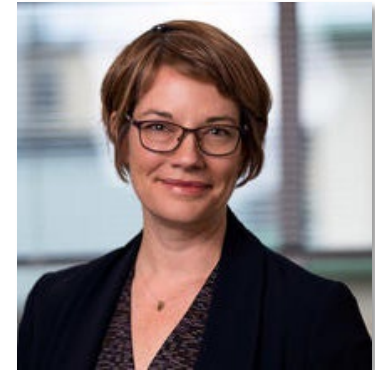
Angela Byars-Winston, Ph.D.

Professor, Department of Medicine
Institute for Diversity Science
University of Wisconsin-Madison



Angela DePace, Ph.D.

Associate Professor, Department of Systems Biology
Harvard Medical School
Scientific Program Officer
Howard Hughes Medical Institute



Retiring Council Members (contd.)

Wendy Young, Ph.D.

President

BioPharma Discovery



Ad hoc Council Participants

Sharon Amacher, Ph.D.

Professor, Department of Molecular Genetics
The Ohio State University



Sarah L. J. Michel, Ph.D.

Dean and Professor of Pharmaceutical Sciences
University of Maryland School of Pharmacy



Early Career Investigator *Ad hoc* Council Participants

Jessica Kramer, Ph.D.

Assistant Professor, Department of Biomedical
Engineering
University of Utah



Kurt Warnhoff, Ph.D.

Associate Scientist
Principal Investigator
Pediatrics and Rare Diseases Group
Sanford Research



NIGMS Personnel Changes

New Hires

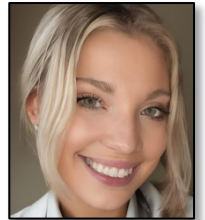
- **Alberta Boah**, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities (previously at NICHD)
- **Anissa Brown, Ph.D.**, Chief, Postdoctoral, Early Career, and Workforce Development Branch, Division of Training and Workforce Development (previously at NIDCR)
- **Elizabeth Eldredge**, Management Analyst, Division of Management, Executive Office (previously at Defense Logistics Agency)



NIGMS Personnel Changes (contd. 1)

New Hires (contd.)

- **Angelena Gaiotti**, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities (previously at Children's National Hospital Research Institute)
- **Avanti Iyer**, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities (previously NIH management intern and at NINDS)
- **Christina Kenosky**, Budget Analyst, Financial Management Branch, Division of Management (previously NIH management intern and at NIH Clinical Center)



NIGMS Personnel Changes (contd. 2)

New Hires (contd.)

- **Linda MacArthur, Ph.D.**, Program Officer, Genetic Mechanisms Branch, Division of Genetics and Molecular, Cellular, and Developmental Biology (previously at CSR)
- **Carine Normil**, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities (previously at NIAID)
- **Michael Truong**, Pathways Student IT, Information Resources Management Branch, Division of Management



NIGMS Personnel Changes (contd. 3)

New Hires (contd.)

- **Sangita Sinha, Ph.D.**, Program Officer, Biomedical Technology Branch, Division of Biophysics, Biomedical Technology, and Computational Biosciences (previously at North Dakota State)
- **Fenglian Xu, Ph.D.**, Program Officer, Genetic Mechanisms Branch, Division of Genetics and Molecular, Cellular, and Developmental Biology (previously at St. Louis University)



Promotions

- **Sammy Katta, Ph.D.**, Senior Health Science Policy Analyst, Data Integration and Dissemination Branch, Division of Data Integration, Modeling, and Analytics



NIGMS Personnel Changes (contd. 4)

Departures

- **Andrea Culhane**, Grants Management Specialist, Grants Administration Branch, Division of Extramural Activities (Moved to the National Library of Medicine)
- **Chrissy Shaw**, Program Analyst, Postdoctoral, Early Career, and Workforce Development Branch, Division of Training, Workforce Development, and Diversity (Moved to the National Cancer Institute)
- **Michael Bender, Ph.D.**, Program Officer, Genetic Mechanisms Branch, Division of Genetics and Molecular, Cellular, and Developmental Biology (Retired from federal service)



Upcoming NIGMS Lectures

Judith H. Greenberg Early Career Investigator Lecture

- Saad Bhamla, Ph.D., Georgia Institute of Technology
- Lecture Title: “Fast and Frugal: Cells That Move Without ATP and Life-Saving Tools That Cost Pennies”
- October 7, 1:00-2:00 p.m. ET
- go.nih.gov/Greenberg2024



DeWitt Stetten Jr. Lecture

- Sudha Chakrapani, Ph.D., Case Western Reserve University
- Lecture Title: “Molecular Mechanisms Underlying Glycinergic Neurotransmission”
- November 20, 2:00-3:00 p.m. ET
- go.nih.gov/Stetten2024



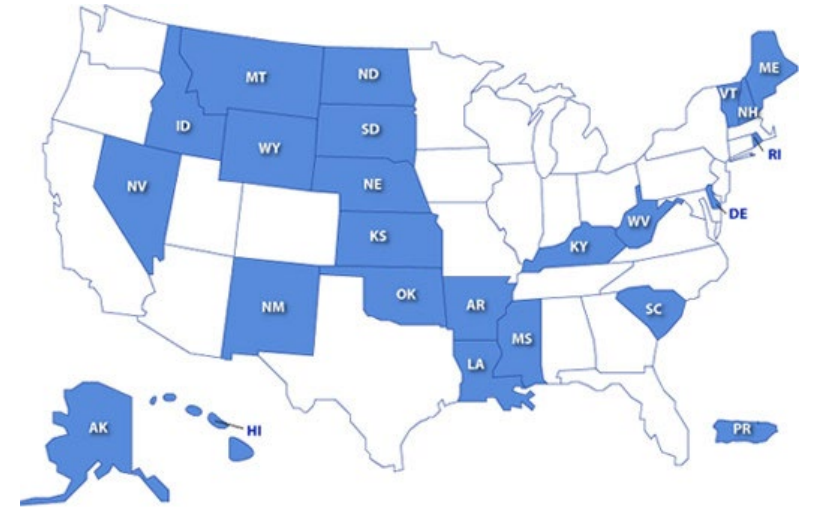
Recent Publications

- **Point of View: Applied Research Won't Flourish without Basic Science**, Jon Lorsch, Lawrence Tabak, Monica Bertagnolli, *eLife* (9/10/2024)
 - <https://doi.org/10.7554/eLife.102368>
- **IDeA States Need Basic Science Too!**, Jon Lorsch, *NIGMS Feedback Loop Blog* (9/12/2024)
 - <https://loop.nigms.nih.gov/2024/09/idea-states-need-basic-science-too/>

Congressional Interaction

NIGMS Discusses Institutional Development Award (IDeA) With Congressional Staff

- On July 12, Division of Data Integration, Modeling, and Analytics staff presented at an NIH-moderated lunch-and-learn session for congressional staff titled “IDeA States – Building Research Capacity and Expanding the Reach of NIH Funding.”
- The presentation was well received and generated follow-up interest.



NIGMS-Funded Programs and Small Business Development in Kentucky

- From June 9-11, NIGMS Director Jon Lorsch and staff visited U. Kentucky, U. of Louisville, and Kentucky State U. (a historically Black university). They also met with Lt. Governor Jacqueline Coleman and Cabinet for Economic Development Secretary Jeffrey Noel at the Kentucky State Capitol.
- They observed NIGMS-funded programs in Kentucky firsthand and learned more about the state's small business development.



Grant Application and Review Changes

For due dates on or after January 25, 2025:

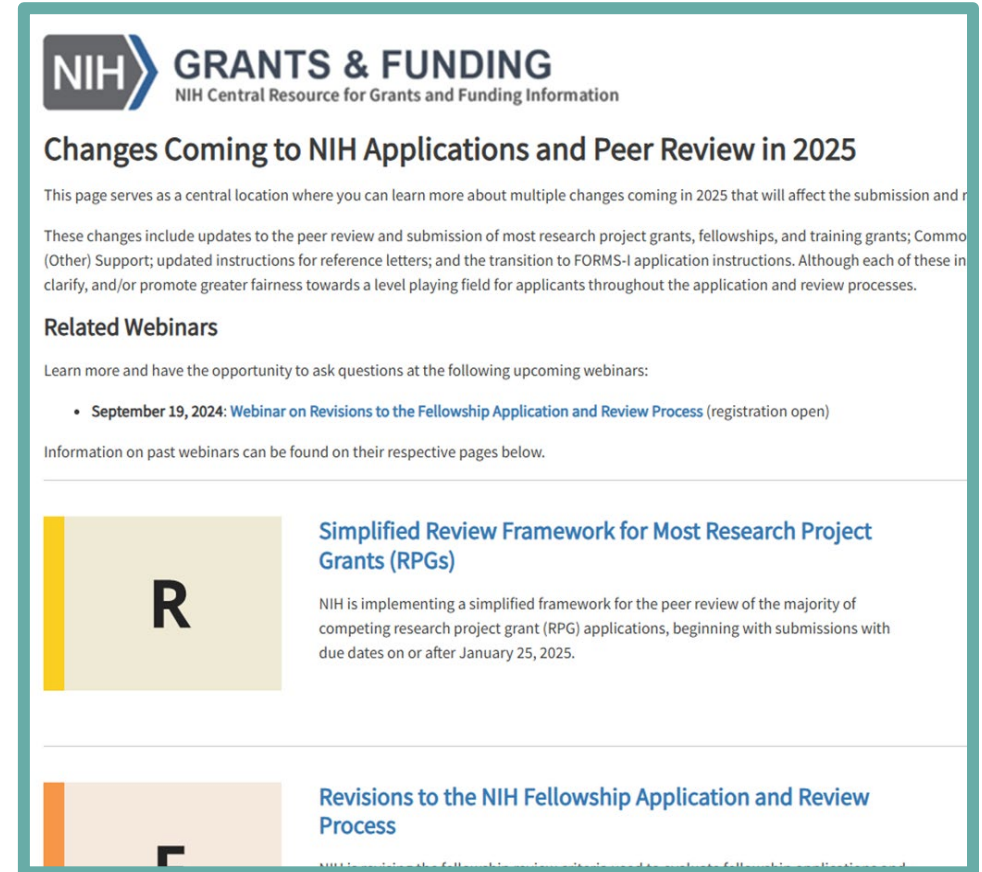
- Simplified Review Framework for Most Research Project Grants
- Revisions to the NIH Individual Fellowship Application and Review Process
- Updates to NIH Institutional Training Grant Applications
- Updates to Reference Letter Guidance
- Updated Application Forms (FORMS-I)

For due dates on or after May 25, 2025:

- Common Forms for Biographical Sketch and Current and Pending (Other) Support

For More Information on Upcoming NIH Application and Peer Review Changes

- Centralized webpage
- [Grants.nih.gov/policy/changes-coming-jan-2025](https://grants.nih.gov/policy/changes-coming-jan-2025)
- Will be continually updated with notices and resources



The screenshot shows the NIH Grants & Funding website. The header includes the NIH logo and the text 'GRANTS & FUNDING NIH Central Resource for Grants and Funding Information'. The main heading is 'Changes Coming to NIH Applications and Peer Review in 2025'. Below this, a paragraph states: 'This page serves as a central location where you can learn more about multiple changes coming in 2025 that will affect the submission and review of NIH applications.' Another paragraph lists the changes: 'These changes include updates to the peer review and submission of most research project grants, fellowships, and training grants; Common (Other) Support; updated instructions for reference letters; and the transition to FORMS-I application instructions. Although each of these changes will clarify, and/or promote greater fairness towards a level playing field for applicants throughout the application and review processes.' A section titled 'Related Webinars' follows, with the text 'Learn more and have the opportunity to ask questions at the following upcoming webinars:'. A bullet point lists 'September 19, 2024: Webinar on Revisions to the Fellowship Application and Review Process (registration open)'. Below this, it says 'Information on past webinars can be found on their respective pages below.' There are two featured cards. The first card has a yellow background with a large 'R' and is titled 'Simplified Review Framework for Most Research Project Grants (RPGs)'. The text on this card says: 'NIH is implementing a simplified framework for the peer review of the majority of competing research project grant (RPG) applications, beginning with submissions with due dates on or after January 25, 2025.' The second card has an orange background with a large 'F' and is titled 'Revisions to the NIH Fellowship Application and Review Process'. The text on this card is partially visible and says: 'NIH is revising the fellowship application and review process to make the fellowship application and review process more efficient and transparent.'

NIH GRANTS & FUNDING
NIH Central Resource for Grants and Funding Information

Changes Coming to NIH Applications and Peer Review in 2025

This page serves as a central location where you can learn more about multiple changes coming in 2025 that will affect the submission and review of NIH applications.


These changes include updates to the peer review and submission of most research project grants, fellowships, and training grants; Common (Other) Support; updated instructions for reference letters; and the transition to FORMS-I application instructions. Although each of these changes will clarify, and/or promote greater fairness towards a level playing field for applicants throughout the application and review processes.

Related Webinars

Learn more and have the opportunity to ask questions at the following upcoming webinars:

- September 19, 2024: [Webinar on Revisions to the Fellowship Application and Review Process](#) (registration open)

Information on past webinars can be found on their respective pages below.



Simplified Review Framework for Most Research Project Grants (RPGs)

NIH is implementing a simplified framework for the peer review of the majority of competing research project grant (RPG) applications, beginning with submissions with due dates on or after January 25, 2025.



Revisions to the NIH Fellowship Application and Review Process

NIH is revising the fellowship application and review process to make the fellowship application and review process more efficient and transparent.

Funding Opportunities

B-INSPIRE (Research on **B**ehavioral **I**ntervention**S** That **P**romote Careers **I**n the Biomedical **R**esearch **E**nterprise)

- Previously called Research on Interventions That Promote the Careers of Individuals in the Biomedical Research Enterprise.
- Supports the testing of behavioral interventions that enhance interest, motivation, persistence, and preparedness for careers in the biomedical research workforce.
- First application due date is October 17; more details in this *Feedback Loop* post: go.nih.gov/mQbf5vJ.

Funding Opportunities (contd.)

Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC)

- K99/R00: facilitates timely transition of individuals from diverse backgrounds from mentored postdoctoral research positions to research-intensive faculty positions. Due date for non-AIDS related new applications: October 12.
- UE5: supports educational activities at independent organizations to equip MOSAIC scholars with professional skills, mentoring, and professional networks to help them transition to and succeed in faculty careers. Next application due date: September 26.
- More details in this *Feedback Loop* post: go.nih.gov/npzfs0X.



Mentored Research Career Development Award Decision Tree

- Interactive tool that helps early career investigators determine which mentored research career development award program, or K grant, is right for them.
- More details in this *Feedback Loop* post: go.nih.gov/xXr7MzP.

The screenshot shows a web-based decision tree interface. At the top, a question asks, "Will you be a U.S. citizen or permanent resident at the time of award?" with "Yes" and "No" buttons. Below this, a "Question: 1" label is present. Navigation buttons include "< Back", "Tell me more", and "Start Over". The main content area consists of five dropdown menus, each with a selection and a downward arrow: "K08", "K23", "K25", "NIH K99/R00", and "MOSAIC K99/R00".

New Programs for Tribes and Tribal Organizations

- Tribal Institutional Review Board Establishment and Enhancement (TIRBEE) Grants (R24)
 - Support the creation of new or enhancement of existing Tribal IRBs
 - PAR-24-260

New Programs for Tribes and Tribal Organizations (contd.)

- Tribal Undergraduate to Graduate Research Training and Leadership Experiences (TURTLE) Program (UE5/T34 and UE5/T32)
 - Phased awards to allow Tribes and Tribal Organizations to develop and then implement institutional training grants for undergraduate and graduate students
 - PAR-24-235 (UE5/T32) and PAR-24-236 (UE5/T34)
 - Webinar on October 21, 3:30 EDT: NOT-GM-24-058
- These programs were started in response to the NARCH evaluation and Tribal consultation

Temporary NIGMS Leadership Opportunity

- Seeking an individual with experience in Tribal health research, capacity building, and working closely with Tribes and Tribal Organizations for a 2-year detail as the NIGMS Tribal Health Research Strategy Coordinator
- Would work to enhance NIGMS' interactions with Tribes and Tribal Organizations and ensure alignment of our programs and strategies with community needs
- NIGMS would reimburse institutional salary and benefits through the Intergovernmental Personnel Act (IPA)
- Please help us publicize this opportunity!
- Anyone interested should contact Dorit Zuk (dorit.zuk@nih.gov)

MIRA Updates

- Issued a Notice increasing the budget cap for early-stage investigators from \$250k to \$275k (direct costs per year) for applications submitted in October, 2024 and beyond
 - Help offset inflationary cost increases
 - NOT-GM-24-042
- Issued a Notice decreasing percent research effort requirements for established investigators from 51% to 45%, effective immediately
 - Enable them to apply for other non-NIGMS grants such as the Pioneer awards that require at least 50% research effort
 - NOT-GM-24-054

Scientific Area of Interest: Microbes in the Built Environment

- Issued a Notice expressing interest in receiving proposals to study microbial interactions with the built environment
 - Particularly interested in studies to elucidate fundamental principles governing microbial interactions, release and viability on/in solids, liquids and gases associated with the built environment
 - Also, technology and methods development to enable these studies
 - Applies to all NIGMS research programs, including MIRA, Team Science and Technology Development
 - NOT-GM-24-044

Recent Requests for Information

- Expanding the Technology Focus of the National and Regional Resources and Biomedical Technology Optimization and Dissemination Programs
 - What technologies should be added to these programs?
 - Builds on discussion at last Council
 - NOT-GM-24-045
 - Open until September 30
- NIGMS Mature Synchrotron Resource Evaluation
 - Seeking input on utility, optimization and future needs of synchrotron resources as part of the evaluation process
 - NOT-24-019
 - Closed June 17

Trainee Feedback Form

- Designed for trainees to anonymously share feedback and suggestions related to NIGMS research education, training, and career development programs: go.nih.gov/vKMLZwl.
- More details in this *Feedback Loop* post: go.nih.gov/hPqhhUG.

Connect, Follow, and Subscribe!

- NIGMS Blogs
 - *Feedback Loop*:
 - loop.nigms.nih.gov (blog)
 - bit.ly/nigmstrainee (trainee list)
 - *Biomedical Beat*: biobeat.nigms.nih.gov
- NIGMS Media Coverage: go.nih.gov/mediacoverage
- Find NIGMS on Social Media



Discussion Questions

- How can we promote productive interactions between the private sector and NIGMS training programs?
 - Internship opportunities
 - Input on curricula
 - Outside mentors for trainees
- Are there opportunities for sharing core facilities and equipment between academic institutions and small businesses?
 - What are the barriers?
 - What might be the benefits?