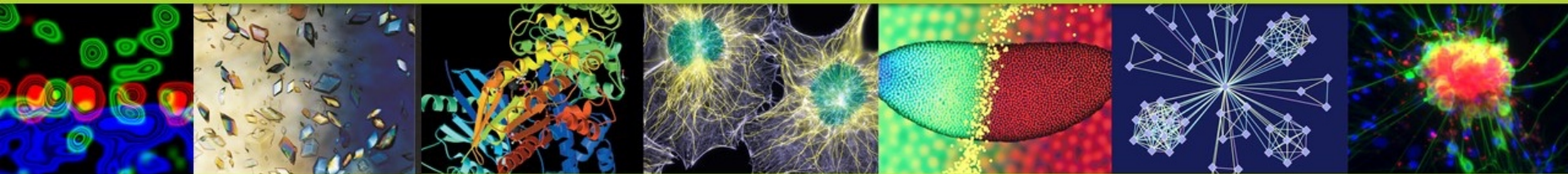


National Advisory General Medical Sciences Council

September 9, 2021

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



Retiring Council Members

- **Celeste Berg, Ph.D.**
Professor
Department of Genome Sciences
Co-Director, Molecular and Cellular Biology
Program
University of Washington
- **Enrique M. De La Cruz, Ph.D.**
Professor and Chair
Department of Molecular Biophysics and
Biochemistry
Yale University
- **John Younger, M.D.**
Managing Partner
ArgoPond, LLC



Ad hoc Council Participants

- **Angela Byars-Winston, Ph.D.**
Professor
Department of Medicine
University of Wisconsin-Madison
- **Russell DeBose-Boyd, Ph.D.**
Beatrice and Miguel Elias Distinguished Chair
in Biomedical Science
Professor
Department of Molecular Genetics
University of Texas Southwestern Medical Center
- **Angela DePace, Ph.D.**
Associate Professor
Department of Systems Biology
Harvard Medical School



Ad hoc Council Participants (cont.)

- **Terri Goss Kinzy, Ph.D.**
President
Illinois State University
Professor of Biological Sciences
- **David H. Mathews, M.D., Ph.D.**
Professor
Department of Biochemistry and Biophysics
University of Rochester Medical Center



Ad hoc Council Participants (cont.)

- **Donald Warne, M.D., M.P.H.**

Director, Indians Into Medicine and Public Health Programs

Associate Dean of Diversity, Equity and Inclusion

Professor of Family and Community Medicine

School of Medicine and Health Sciences

University of North Dakota



- **Wendy Young, Ph.D.**

Executive Partner

MPM Capital



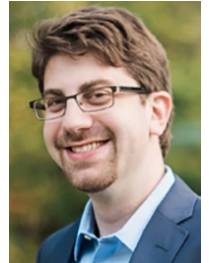
Early Career Investigator *Ad Hoc* Council Participants

- **Breann L. Brown, Ph.D.**
Assistant Professor
Department of Biochemistry
Vanderbilt University School of Medicine
- **César de la Fuente, Ph.D.**
Presidential Assistant Professor
Departments of Bioengineering & Chemical and
Biomolecular Engineering
School of Engineering and Applied Science
Departments of Microbiology and Psychiatry
Perelman School of Medicine
University of Pennsylvania



New Hires and Promotions

- **David Bochner, Ph.D.**, Chief, Data Integration and Dissemination Branch, Division of Data Integration, Modeling, and Analytics
- **Audrey Clarke**, Administrative Technician, Administrative Services Branch, Division of Management (promotion)
- **Rachel Crowley, Ph.D.**, Technical Writer-Editor, Communications and Public Liaison Branch, Division of Management
- **Jon Davage**, Administrative Technician, Administrative Services Branch, Division of Management (promotion)



New Hires and Promotions (cont.)

- **Lisa Dunbar, Ph.D.**, Chief, Centers, Resources, and Research Support Section, Scientific Review Branch, Division of Extramural Activities (promotion)
- **Annette Johnson-Herron**, Administrative Technician, Administrative Services Branch, Division of Management (promotion)
- **Diane Woody**, Administrative Technician, Administrative Services Branch, Division of Management (promotion)



Departures

- **Lisa Newman, Ph.D.**, Scientific Review Branch, Division of Extramural Activities (retirement)
- **Paul Sammak, Ph.D.**, Biomedical Technology Branch, Division of Biophysics, Biomedical Technology, and Computational Biosciences (move to the Department of Energy)



New NIH Officer

Marie A. Bernard, M.D.

- Selected Chief Officer for Scientific Workforce Diversity (COSWD)
- Will lead NIH efforts to promote diversity, inclusiveness, and equity throughout the biomedical research enterprise
- Has served as acting COSWD since October 2020
- Previously deputy director of the National Institute on Aging



NIH Departure

Michael M. Gottesman, M.D.

- Stepping down as NIH Deputy Director for Intramural Research after 28 years of service
- Will remain in the position until a replacement is named
- Once a selection is made, Dr. Gottesman will turn his focus to his research on mechanisms of chemotherapy resistance in cancer at the Center for Cancer Research, National Cancer Institute, where he is chief of the Laboratory of Cell Biology



Upcoming Event: Judith H. Greenberg Early Career Investigator Lecture

Elizabeth Johnson, Ph.D.

Assistant Professor
Division of Nutritional Sciences
Cornell University



- “Looking for Lipids in All the Right Places: Host-Microbiome Interactions”
- September 29, 2021
1:00-2:00 p.m. ET
- Participate remotely via Zoom or watch on NIH VideoCast

<https://www.nigms.nih.gov/news/meetings/ECI>

Upcoming Event: NIGMS Stetten Lecture

Trevor Bedford, Ph.D.

Associate Professor

Vaccine and Infectious Disease Division
Herbold Computational Biology Program,
Public Health Sciences Division

Human Biology Division

Fred Hutchinson Cancer Center

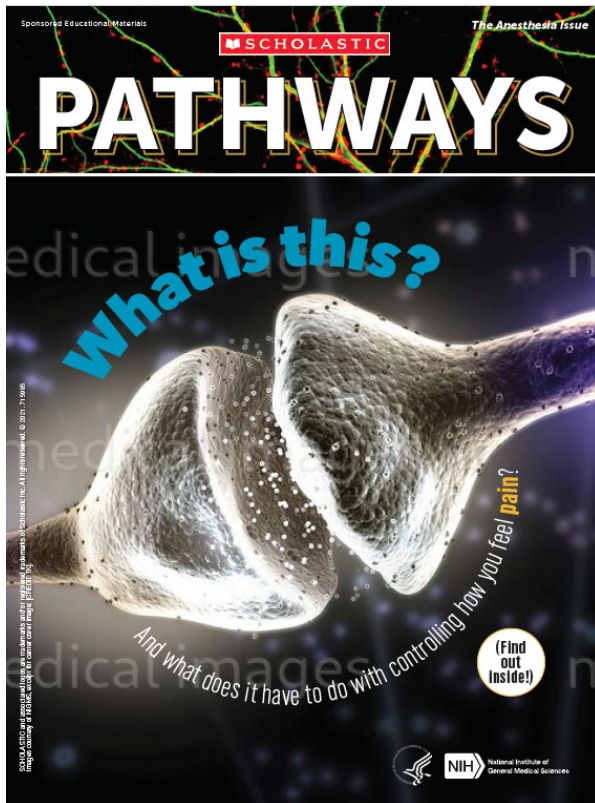


- “Evolutionary Dynamics of SARS-CoV-2”
- October 20, 2021
3:00-4:00 p.m. ET
- Participate remotely via NIH VideoCast

<https://www.nigms.nih.gov/news/meetings/stetten>

Pathways: NIGMS & Scholastic, Inc.

New issue on anesthesia coming soon!



- Reaches 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* October issue
- Lesson plans for teachers that map to curricular standards
- Online videos and activities featuring NIGMS scientists and research

<http://www.scholastic.com/pathways>

Input Needed: Consent Language for Future Use of Data and Biospecimens

- NIH establishing a new resource to provide starting language the community can use to design consent forms for studies that incorporate data and biospecimen sharing
- NIH issued a request for information to gain broader input on:
 - Sample consent language
 - “Points to consider”
 - Gaps or additional components that should be included
 - Hurdles or barriers to the voluntary use of the sample language and “points to consider” by the community
- Responses due by September 29

<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-131.html>

Cloud Computing RFI and Workshop

- RFI - Seek input on current and future needs and utilization of cloud computing from institutions within **IDeA-eligible states**, **RCMIs**, and **MSIs**.
 - Released: July 8, 2021
 - Response period: July 8-September 30, 2021
- NIH Workshop on Broadening Cloud Computing Usage in Biomedical Research (Sept 13 – 14, 2021)
 - Register: <https://web.cvent.com/event/1810b41e-ffaa-4466-b607-3ddea288d545/summary>
 - Participants in breakout sessions will be selected from attendees
 - Email Lakshmi Matukumalli with questions - lakshmi.matukumalli@nih.gov

IDeA and NARCH COVID-19 Supplements

- **NOT-GM-21-031: Urgent Competitive Revisions to IDeA and NARCH Programs for SARS-CoV-2 Surveillance Studies**
 - **21 awards, \$15 million**

- **NOT-GM-21-021: Urgent Competitive Revisions to IDeA and NARCH Programs to Address SARS-CoV-2 Vaccine Hesitancy**
 - **7 awards, \$2 million**

2021 MOSAIC Scholars



Upcoming Event: MOSAIC Scholars Meeting

First annual meeting of the Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Program

- October 14-15, 2021
1:00-5:00 p.m. ET
- Scientific presentations by MOSAIC scholars and panels about NIH-supported opportunities for early career scientists in academia and at NIH
- Participate remotely via NIH VideoCast



<https://videocast.nih.gov>

Support for Research Excellence (SuRE) Program

Purpose: to develop and sustain research excellence of faculty at under-resourced institutions that serve underrepresented and socioeconomically disadvantaged students

- **PAR-21-169: Support for Research Excellence (SuRE) Award (R16)**
 - For investigators with no other NIH research funding. \$100k DC/yr, 4 years, renewable
- **PAR-21-173: Support for Research Excellence – First Independent Research (SuRE-First) Award (R16)**
 - For investigators with no prior research funding. \$125k DC/yr, 4 years, mentored, not renewable
- **PAR-21-227: Resource Center for the Support for Research Excellence (SuRE) Program (U24)**
 - To build administrative infrastructure, thus broadening participation. \$750k DC/yr, 5 years

New Features of the SuRE Program

R16s replace SCORE (SC) awards: focus is on supporting research excellence in eligible institutions

- Require participation of students in funded research
- Require applicant institutions to have a strategic plan for developing research capacity and culture
- Uses publicly available data to determine institutional eligibility
 - Receive < \$6 M/year TC from NIH Research Project Grants
 - Enroll \geq 25% undergrads supported by Pell grants or are medical/health professional schools founded to educate students from nationally underrepresented backgrounds

A new U24 resource center to serve SuRE-eligible institutions and applicants

- Build/strengthen Offices of Sponsored Programs (OSPs) through a seed grant program
- Provide administrative training by Center staff and regional outreach coordinators
- Track institutions' progress in research capacity building and its own service efficacy

Coming Soon: Joint NHLBI-NIGMS ARDS, Pneumonia and Sepsis (APS) Phenotyping Consortium

The APS Consortium will seek to **understand the heterogeneity and underlying mechanisms of critical illness syndromes and recovery**, specifically in adults with ARDS, pneumonia, and sepsis, as well as the relationship and biological overlap between these syndromes. This will be accomplished through a **prospective, longitudinal observational study with common data and biospecimen collection** of 5,000 hospitalized adults with ARDS, pneumonia, or sepsis from hospitalization to 1 year...Throughout the program's funding period, **data and biospecimens collected will be made available as a resource to the broader research community** as rapidly and simply as feasible.

- **Coordinating Center (U01)**
 - Overall consortium coordination
 - Data and biospecimen management and storage
 - Coordination of data and biospecimen distribution to community
- **Clinical Centers (U01s)**
 - Enroll patients in consortium-wide longitudinal cohort study
 - Collect data and biospecimens
 - Make data and biospecimens available to community
 - Conduct research studies

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- Find NIGMS on Social Media



- NIGMS Blogs
 - *Feedback Loop*
 - *Biomedical Beat*

<http://www.nigms.nih.gov>