

NIH WALS Schedule 2022–2023

All lectures in Lipsett Auditorium from 2:00 to 3:00 p.m., unless otherwise noted

September 7

Annual Rolla E. Dyer Lecture

"Obligate Symbionts and Other Intriguing Members of Human Microbiomes"

Jill Banfield, Ph.D.

Professor, Department of Environmental Science, Policy and Management, UC Berkeley

<https://ourenvironment.berkeley.edu/people/jill-banfield>

September 14

"Harnessing African Genomic Variation to Improve Health Globally"

Ambroise Wonkam, M.D., Ph.D.

Director, McKusick-Nathans Institute, and Department of Genetic Medicine; Professor of Genetic Medicine

<https://www.hopkinsmedicine.org/profiles/details/ambroise-wonkam>

September 21

"Molecular Origami: The Delicate Art of Protein Folding and Misfolding and Its Relevance to Health and Disease"

Judith Frydman, Ph.D.

Professor, Stanford University

<https://web.stanford.edu/group/frydman/web/>

September 28

NIH Director's Lecture

"The Secret Life of Introns"

Tracy Johnson, Ph.D.

Dean, Life Sciences; Keith & Cecilia Terasaki Presidential Endowed Chair in the Life Sciences; HHMI Professor; UCLA

<https://johnsonlab.mcdb.ucla.edu>

October 5

Yom Kippur; no WALs

October 12

Annual Margaret Pittman Lecture

"Mutant p53 Activities in Mouse Tumor Models"

Gigi Lozano, Ph.D.

Hubert L. Olive Stringer Distinguished Chair in Oncology in Honor of Sue Gribble Stringer, University of Texas MD

Anderson Cancer Center

https://faculty.mdanderson.org/profiles/guillermina_gigi_lozano.html

October 19

Annual William E. Paul Lecture

"Gaining New Insights into 'Fundamental Immunology' Using Imaging and Computation"

Ron Germain, M.D., Ph.D.

NIH Distinguished Investigator

<https://irp.nih.gov/pi/ronald-germain>

October 26

NIH Director's Lecture

"Bitten: Why Are Some People More Attractive to Mosquitoes Than Others?"

Leslie B. Vosshall, Ph.D.

HHMI Vice President and Chief Scientific Officer

<https://www.hhmi.org/scientists/leslie-b-vosshall>

November 2***Annual Astute Clinician Lecture***

"Anticytokine Autoantibodies: Causes, Concomitants and Complications of Infectious Diseases"

Steven Holland, M.D.

NIH Distinguished Investigator; NIAID Scientific Director

<https://irp.nih.gov/pi/steven-holland>

November 9

no WALs talk scheduled yet

November 16

"Hematology from the Ground-Up: Lessons from Bloodless Worms"

Iqbal Hamza, Ph.D.

Professor, Dept. of Animal & Avian Sciences, University of Maryland

<https://hamza.umd.edu>

November 23

Thanksgiving, no WALs

November 30***Annual DeWitt Stetten Jr. Lecture***

"Biomedical Research in Rural America: Much Accomplished, Much To Do"

Sally L. Hodder, M.D.

Professor and Associate Vice President for Clinical and Translational Research; and Director, West Virginia Clinical & Translational Science Institute, West Virginia University

<https://directory.hsc.wvu.edu/Profile/41751>

December 7

no WALs talk scheduled yet

December 14

"Protein Design Using Deep Learning" (remote lecture)

David Baker, Ph.D.

Director of the Institute for Protein Design; the Henrietta and Aubrey Davis Endowed Professor in Biochemistry; and HHMI Investigator; University of Washington, Seattle

<https://www.ipd.uw.edu/people/ipd-faculty-staff/david-baker>

December 21

no WALs talk scheduled yet

December 28

New Year's, no WALs

January 4

no WALs talk scheduled yet

January 11

"The Power of Assistive Technology to Transform Lives"

Rory Cooper, Ph.D.

Professor of Bioengineering, Mechanical Engineering, Physical Medicine and Rehab, and Orthopaedic Surgery at the University of Pittsburgh; founding director at the Human Engineering Research Laboratories, a VA Rehabilitation Research and Development Center of Excellence in partnership with Pitt

<https://www.upmc.com/media/experts/rory-a-cooper>

January 18

Title TBA

Gerard Karsenty M.D., Ph.D.

Paul A. Marks M.D., Professor and Chair of the Department of Genetics and Development at Columbia University Medical Center

<https://www.genetics.cuimc.columbia.edu/profile/gerard-karsenty-md>

January 25

"The Immune System of Bacteria: Beyond CRISPR"

Rotem Sorek, Ph.D.

Incumbent of the Rowland and Sylvia Schaefer Career Development Chair, Department of Molecular Genetics, Weizmann Institute of Science

<https://www.weizmann.ac.il/molgen/Sorek>

February 1

"Regenerating and Rejuvenating Aged Tissues by Targeting a Gerozyme" (remote lecture)

Helen Blau, Ph.D.

Donald E. and Delia B. Baxter Foundation Professor; Director, Baxter Laboratory for Stem Cell Biology; Stanford University

<https://profiles.stanford.edu/helen-blau>

February 8

"Community-engaged Approaches for Preventing and Controlling Obesity Among U.S. Latinos/Hispanics"

Guadalupe Ayala, Ph.D.

Professor, Division of Health Promotion and Behavioral Science, SDSU College of Health and Human Services

<https://publichealth.sdsu.edu/people/guadalupe-ayala/>

February 15

no WALs talk scheduled yet

February 22

"36 Views of Ligand-Receptor Interactions at the Cell Surface" (remote lecture)

Christopher Garcia, Ph.D.

Professor of Molecular and Cellular Physiology and of Structural Biology at Stanford University School of Medicine; HHMI Investigator

<https://med.stanford.edu/garcialab.html>

March 1

no WALs talk scheduled yet

March 8

NIH Director's Lecture

Title TBA

Kevan Shokat, Ph.D.

Professor, Department of Cellular and Molecular Pharmacology, UCSF; Professor, Department of Chemistry, UC Berkeley; HHMI Investigator

<https://cancer.ucsf.edu/people/shokat.kevan>

March 13

Annual Marshall W. Nirenberg Lecture

"How Do You Feel? The Molecules That Sense Touch"

Ardem Patapoutian, Ph.D.

Professor, Department of Neuroscience, Scripps Research

<https://www.scripps.edu/faculty/patapoutian>

March 15

"Inflammasomes at the Crossroads of Basic Science and Therapeutic Intervention"

Hao Wu, Ph.D.

Asa and Patricia Springer Professor of Structural Biology; Professor of Biological Chemistry and Molecular Pharmacology; Harvard Medical School

<https://bcmp.hms.harvard.edu/faculty-staff/hao-wu>

March 22

"BMP Morphogen Gradient Formation, Interpretation, and Signaling Mechanism"

Mary Mullins, Ph.D.

Professor of Cell & Developmental Biology, Perlman School of Medicine, University of Pennsylvania

<https://www.med.upenn.edu/mullinslab>

March 29

Annual George Khoury Lecture

"Controlling the Message: Viral Manipulation of the Gene Expression Landscape"

Britt Glaunsinger, Ph.D.

Professor, Department of Molecular & Cell Biology and Department of Plant and Microbial Biology, UC Berkeley

<https://vcresearch.berkeley.edu/faculty/britt-glaunsinger>

April 5

no WALS talk scheduled yet

April 12

Annual Florence Mahoney Lecture on Aging

"Wisdom on Aging from the RNA World: Old Molecules in Young Roles"

Myriam Gorospe, Ph.D.

Senior Investigator, NIA Laboratory of Genetics and Genomics

<https://irp.nih.gov/pi/myriam-gorospe>

April 19

"Differentiation of Neuronal and Non-Neuronal Components of the *Drosophila* Visual System"

Jessica Treisman, Ph.D.

Professor, Department of Cell Biology, NYU Grossman School of Medicine

<https://med.nyu.edu/faculty/jessica-e-treisman>

April 26

"Wiring Specificity of Neural Circuits"

Liqun Luo, Ph.D.

Ann and Bill Swindell Professor in the School of Humanities and Sciences at Stanford University; Professor of Neurobiology at Stanford University School of Medicine; HHMI Investigator

May 3

Annual Margaret Pittman Lecture

"Function of Junk: Satellite DNA in Cell Biology and Evolution"

Yukiko Yamashita, Ph.D.

Professor of Biology; Core Member, Whitehead Institute; Co-Chair, Biology Diversity, Equity, and Inclusion Committee, MIT; HHMI Investigator

<https://biology.mit.edu/profile/yukiko-yamashita/>

May 10

"Enemy Within: How DNA Triggers an Immune Response"

Zhijian "James" Chen, Ph.D.

George L. MacGregor Distinguished Chair in Biomedical Science; Director of the Inflammation Research Center; professor of molecular biology at the University of Texas Southwestern Medical Center; HHMI Investigator

<https://www.utsouthwestern.edu/labs/chen-james>

May 17

Robert S. Gordon Jr. Lecture

Title TBA

Speaker TBA

May 24

"Label-Free Monitoring of Metabolic Function with Micron-Scale Resolution: From Mitochondria to Humans"

Irene Georgakoudi, Ph.D.

Professor, Biomedical Engineering Graduate Biomedical Sciences; Member, Cell, Molecular and Developmental Biology Program; Tufts University

<https://engineering.tufts.edu/bme/people/faculty/irene-georgakoudi>

May 31

"Delays in Cancer Diagnosis: What Do We Know and What are the Important, Unanswered Questions?"

Valerie Stone, M.D.

Vice Chair for Diversity, Equity, and Inclusion, Department of Medicine Professor of Medicine, Harvard Medical School

https://physiciandirectory.brighamandwomens.org/details/13851/valerie-stone-internal_medicine-boston

June 7

Annual G. Burroughs Mider Lecture

Title TBA

Dan Kastner, M.D., Ph.D.

NIH Distinguished Investigator

<https://irp.nih.gov/pi/dan-kastner>

June 14

"How Cells Make Membrane Proteins"

Manu Hegde, PhD.

Group Leader, MRC Laboratory of Molecular Biology

<https://www2.mrc-lmb.cam.ac.uk/group-leaders/h-to-m/ramanujan-hegde/>

June 21

"Rules of Engagement: Molecular Arms-Races Between Primate and Viral Genomes"

Harmit Malik, Ph.D.

Professor and Associate Director, Basic Sciences Division, Fred Hutch

<https://www.fredhutch.org/en/faculty-lab-directory/malik-harmit.html>

June 28

"The Phase of Fat: Mechanisms and Physiology of Lipid Storage"

Tobias Walther, Ph.D.

Professor of Molecular Metabolism, Executive Director of the Harvard Chan School of Public Health Analytics Center (ChAMP)

<https://www.hhmi.org/scientists/tobias-c-walther>