THE AD HOC GROUP FOR MEDICAL RESEARCH

The Ad Hoc Group Fiscal Year 2023 Recommendation

The 369 undersigned members of the Ad Hoc Group for Medical Research, which includes organizations representing patients, scientists, health professionals, research and academic institutions, educators, and industry, are grateful to Congress for making meaningful annual funding growth for the National Institutes of Health (NIH) a key, bipartisan national priority. NIH-funded biomedical, behavioral, social, and population-based research improves our understanding of fundamental life and health sciences, equips the nation to combat both known and unprecedented health threats, and converts the hope of improved health into a reality for patients and their families. The federal investment in this lifesaving work in labs across the country also has a multiplier effect in local and regional economies, catalyzes new industries, enhances the U.S.'s global competitiveness, establishes viable career paths for aspiring scientists of diverse backgrounds, and generates other high quality jobs in communities nationwide.[1]

To promote the sustained, robust growth necessary to make consequential progress against pressing health challenges, **in fiscal year (FY) 2023, the Ad Hoc Group recommends a program level of at least $49.048 billion for the NIH base budget**, which would represent an increase of $4.1 billion over the comparable FY 2022 funding level (an increase of $3.5 billion or 7.9% in the NIH appropriation plus funding from the 21st Century Cures Act for specific initiatives). **Importantly, the Ad Hoc Group strongly urges lawmakers to ensure that any funding for the new Advanced Research Projects Agency for Health (ARPA-H) supplement our $49 billion recommendation for NIH's base budget, rather than supplant the essential foundational investment in the NIH.** In addition, the coalition supports the president's proposal to supplement NIH's budget with additional mandatory funding to speed the pace of pandemic response and readiness.

Several members of Congress[2,3] and the president[4] have recommended restoring federal research and development (R&D) investments to 2% of U.S. gross domestic product. Over the years, distinguished leaders and experts in medical research have similarly recommended

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[1] United for Medical Research. NIH's Role In Sustaining The U.S. Economy. https://unitedformedicalresearch.org/wp-content/uploads/2022/03/UMR_NIHs-Role-in-Sustaining-the-U.S.-Economy-FY21.pdf. Accessed March 31, 2022.

[2] Schumer, C, Young, T, Khanna, R, Gallagher, M. US needs bipartisan push for scientific research after coronavirus: Congressional leaders. *USA Today*. May 14, 2020. https://www.usatoday.com/story/opinion/2020/05/14/coronavirus-exposes-danger-of-underinvesting-in-scientific-research-column/3115013001/

[3] Connolly, G. A competitive America must invest in R&D. *The Hill*. September 30, 2021. https://thehill.com/blogs/congress-blog/technology/574791-a-competitive-america-must-invest-in-rd?rl=1

[4] President Joe Biden. State of the Union Address. March 2, 2022. https://www.whitehouse.gov/briefing-room/speeches-remarks/2022/03/02/remarks-by-president-biden-in-state-of-the-union-address/

sustained real growth through increases that exceed inflation by 4-6%.[5,6,7,8] The Science & Technology Action Committee also recently estimated that the U.S. should double its R&D investment by 2026 in order to remain a global competitor in science, technology, engineering, and math.[9] As the world's premier public funder of medical research, the NIH is a critical contributor to that international leadership, and robust annual growth in support for NIH will be key to achieving these objectives.

The countermeasures developed to respond to the global COVID-19 pandemic over the last two years are only the latest example of the value of the nation's longstanding commitment to the NIH. Decades of medical research supported by the NIH are the underpinning of virtually every preventive intervention, diagnostic, and treatment available today, and building on this foundation with the scientific studies of tomorrow will be key to ending cancer — and every other disease — as we know it. To fully harness novel research tools and partnerships against existing and looming threats, we must continue the forward momentum of meaningful investments in the NIH. Federal funding for research should be as aspirational as the improvements in patient health that we seek.

We urge lawmakers to continue to support discovery, to ensure a funding allocation for the Labor-HHS Subcommittee that allows for the necessary investment in NIH and other agencies that promote the health of our nation, and to work expeditiously to complete FY 2023 appropriations in a timely manner. Our nation's health depends on it.

369 Signatories as of May 10, 2022

Academic Consortium for Integrative Medicine and Health
Academic Pediatric Association
Academy for Radiology & Biomedical Imaging Research
Accessia Health
ACT for NIH
Action to Cure Kidney Cancer
Albert Einstein College of Medicine
Alliance for Academic Internal Medicine (AAIM)
Alliance for Aging Research
Alliance of Dedicated Cancer Centers
Alpha-1 Foundation
ALS Association
Alzheimer's Association/Alzheimer's Impact Movement

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[5] Loscalzo, J. The NIH Budget and the Future of Biomedical Research. *N Engl J Med*. 2006;354(16), 1665-1667. doi.org/10.1056/NEJMp068050

[6] Heinig, S. J., Krakower, J. Y., Dickler, H. B., & Korn, D. Sustaining the Engine of U.S. Biomedical Discovery. *New England Journal of Medicine.* 2007,357(10), 1042-1047. doi:10.1056/nejmsb071774

[7] Senate Committee on Appropriations. (2016 April). *Hearing on FY2017 National Institutes of Health Budget Request* [Video]. https://www.appropriations.senate.gov/hearings/hearing-on-fy2017-national-institutes-of-health-budget-request

[8] Augustine, N., & Lane, N., et al. (2020). (rep.). *The Perils of Complacency America at a Tipping Point in Science & Engineering* (pp. 1–55). Cambridge, MA: American Academy of Arts and Sciences. https://www.amacad.org/publication/perils-of-complacency

[9] Science & Technology Action Committee. (2022 January). *Briefing Paper: A Roadmap for Investment in Science and Technology.* https://sciencetechaction.org/news-item/white-paper-a-roadmap-for-investment-in-science-and-technology/

Alzheimer's Foundation of America
American Academy of Allergy, Asthma & Immunology
American Academy of Hospice and Palliative Medicine
American Academy of Neurology
American Academy of Pediatrics
American Association for Cancer Research
American Association for Dental, Oral, and Craniofacial Research
American Association for the Advancement of Science
American Association for the Study of Liver Diseases
American Association for Women in Radiology (AAWR)
American Association of Colleges of Nursing
American Association of Colleges of Osteopathic Medicine
American Association of Colleges of Pharmacy
American Association of Directors of Psychiatric Residency Training
American Association of Immunologists
American Association of Neurological Surgeons
American Association of Neuromuscular & Electrodiagnostic Medicine
American Association of Physicists in Medicine
American Association of Veterinary Medical Colleges
American Brain Coalition
American Cancer Society Cancer Action Network
American College of Academic Addiction Medicine (ACAAM)
American College of Cardiology
American College of Clinical Pharmacology
American College of Neuropsychopharmacology
American College of Nuclear Medicine (ACNM)
American College of Obstetricians and Gynecologists
American College of Physicians
American College of Radiology
American College of Rheumatology
American College of Surgeons
American Council on Education
American Gastroenterological Association
American Geriatrics Society
American Heart Association (AHA)
American Institute for Cancer Research
American Institute for Medical and Biological Engineering
American Institute of Ultrasound in Medicine
American Liver Foundation
American Lung Association
American Massage Therapy Association
American Neurological Association
American Pediatric Society
American Physiological Society
American Psychological Association
American Roentgen Ray Society (ARRS)
American Society for Biochemistry and Molecular Biology
American Society for Cell Biology
American Society for Gastrointestinal Endoscopy
American Society for Investigative Pathology

American Society for Microbiology
American Society for Nutrition
American Society for Pharmacology and Experimental Therapeutics
American Society for Radiation Oncology
American Society for Reproductive Medicine
American Society for Transplantation and Cellular Therapies
American Society of Anesthesiologists
American Society of Biochemistry and Molecular Biology
American Society of Hematology
American Society of Human Genetics
American Society of Nephrology
American Society of Neuroradiology
American Society of Pediatric Nephrology
American Society of Transplantation (AST)
American Surgical Association
American Thoracic Society
American Urogynecologic Society
American Urological Association
Anxiety and Depression Association of America
Associated Medical Schools of New York
Association for Clinical and Translational Science
Association for Clinical Oncology
Association for Prevention Teaching and Research
Association for Psychological Science
Association for Research in Otolaryngology
Association for Research in Vision and Ophthalmology (ARVO)
Association of Academic Chairs of Emergency Medicine
Association of Academic Health Sciences Libraries
Association of Academic Physiatrists
Association of American Cancer Institutes
Association of American Medical Colleges
Association of American Universities
Association of Anatomy Cell Biology and Neurobiology Chairs
Association of Bioethics Program Directors
Association of Black Cardiologists
Association of Chairs of Departments of Physiology
Association of Independent Research Institutes
Association of Medical and Graduate Departments of Biochemistry (AMGDB)
Association of Medical School Pediatric Department Chairs
Association of Minority Health Professions Schools
Association of Pathology Chairs
Association of Population Centers
Association of Psychologists in Academic Health Centers
Association of Public and Land-Grant Universities
Association of Schools & Programs of Public Health
Association of Schools and Colleges of Optometry (ASCO)
Association of University Professors of Neurology
Association of University Professors of Ophthalmology
Association of University Radiologists
Atrium Health

Autism Speaks
AVAC
Baruch S. Blumberg Institute
Baylor College of Medicine
Biophysical Society
BJC HealthCare
Boston Medical Center
Boston University
Brain Injury Association of America
Brown University
California Institute of Technology
Case Western Reserve University School of Medicine
Cedars-Sinai
CFC International
Child Neurology Foundation
Children's Healthcare of Atlanta
Children's Hospital Association
Children's Hospital Los Angeles
Children's Hospital of Philadelphia
Children's Mercy Kansas City
ChristianaCare
Christopher & Dana Reeve Foundation
Cincinnati Children's Hospital Medical Center
Clinical Research Forum
Coalition for Clinical and Translational Science
Coalition for the Life Sciences
Cold Spring Harbor Laboratory
College on Problems of Drug Dependence
Columbia University
Conference of Boston Teaching Hospitals
Congress of Neurological Surgeons
Consortium of Social Science Associations
Cooley's Anemia Foundation
Coriell Institute for Medical Research
Cornell University
Council on Social Work Education
Creighton University School of Medicine
Crohn's & Colitis Foundation
Cure Alzheimer's Fund
CURE Epilepsy
Cure HHT
Cystic Fibrosis Foundation
Dana-Farber Cancer Institute
Dartmouth-Hitchcock Health
Deadliest Cancers Coalition
Debbie's Dream Foundation: Curing Stomach Cancer
Digestive Disease National Coalition
Dravet Syndrome Foundation
Drexel University
Duke Health

Duke University
Dup15q Alliance
Dystonia Medical Research Foundation
East Carolina University
ECAN Esophageal Cancer Action Network, Inc.
Emory University
Empowering Epilepsy
Endocrine Society
Entomological Society of America
Epilepsy Foundation
Epilepsy Leadership Council
Federation of American Societies for Experimental Biology
Federation of Associations in Behavioral and Brain Sciences
Fight Colorectal Cancer
Foundation For Sarcoidosis Research
Fred Hutchinson Cancer Center
Friends of NICHD
Friends of NIDA
GBS|CIDP Foundation International
Global Down Syndrome Foundation
Global Health Technologies Coalition
Global Liver Institute
GlucosePATH, LLC
GO2 Foundation for Lung Cancer
Harvard University
HCMA: Hypertrophic Cardiomyopathy Association
Henry Ford Health
Hepatitis B Foundation
Hereditary Angioedema Association
ICAN, International Cancer Advocacy Network
Indiana University
Infectious Diseases Society of America
Integrative Health Policy Consortium
International Essential Tremor Foundation
International Foundation for CDKL5 Research
International Pain Foundation
International SCN8A Alliance
International Society for Magnetic Resonance in Medicine
International Society for Stem Cell Research
Interstitial Cystitis Association
JDRF
Jeffrey Modell Foundation
John & Amy Mewhiney Cancer Foundation
Johns Hopkins University & Medicine
KidneyCAN
KRAS Kickers
Lennox-Gastaut Syndrome (LGS) Foundation
Louisiana Cancer Research Center
Lupus and Allied Diseases Association, Inc.
Lupus Foundation of America

Lymphatic Education & Research Network
March of Dimes
Mass General Brigham
Mayo Clinic
Medical College of Wisconsin
Medical Image Perception Society
Medical Library Association
Memorial Sloan Kettering
MemorialCare Health System
Mesothelioma Applied Research Foundation
METAvivor
Michelson Center for Public Policy
Michelson Medical Research Foundation
Michigan State University, College of Human Medicine
MLD Foundation
Moffitt Cancer Center
Mount Sinai Health System
National Alliance for Eye and Vision Research
National Alopecia Areata Foundation
National Association for Biomedical Research
National Ataxia Foundation
National Eczema Association
National Fragile X Foundation
National Health Council
National Kidney Foundation
National Multiple Sclerosis Society
National Pancreas Foundation
National Scleroderma Foundation
Necrotizing Enterocolitis (NEC) Society
NephCure Kidney International
New York Genome Center, Inc.
New York Medical College
New York University
North American Society for Pediatric Gastroenterology, Hepatology and Nutrition
North American Vascular Biology Organization
Northeastern University
Nutrition and Medical Foods Coalition
NYU Langone Health
Oakland University William Beaumont School of Medicine
Oklahoma Medical Research Foundation
Pancreatic Cancer Action Network
Pediatric Policy Council
Penn State University
Personalized Medicine Coalition
Population Association of America
Prevent Cancer Foundation
Project Sleep
Prostate Cancer Foundation
Pulmonary Fibrosis Foundation
Pulmonary Hypertension Association

Radiological Society of North America (RSNA)
Rare Epilepsy Network (REN)
Recurrent Pregnancy Loss Association
Research!America
RESOLVE: The National Infertility Association
Restless Legs Syndrome Foundation
Rosalind Franklin University of Medicine and Science
Rutgers, The State University of New Jersey
Say YES to Hope
Sidney Kimmel Medical College at Thomas Jefferson University
Sjogren's Foundation
Sleep Research Society
Society for Academic Emergency Medicine (SAEM)
Society for Advanced Body Imaging
Society for Birth Defects Research and Prevention
Society for Cardiovascular Magnetic Resonance
Society for Imaging Informatics in Medicine
Society for Maternal-Fetal Medicine
Society for Neuroscience
Society for Pediatric Radiology
Society for Pediatric Research
Society for Reproductive Endocrinology and Infertility
Society for Reproductive Investigation
Society for Women's Health Research
Society of Academic Associations of Anesthesiology and Perioperative Medicine (SAAAPM)
Society of Breast Imaging
Society of Chairs of Academic Radiology Departments
Society of General Internal Medicine
Society of Gynecologic Oncology
Society of Interventional Radiology
Society of Nuclear Medicine and Molecular Imaging (SNMMI)
Society of Radiologists in Ultrasound
Society of Skeletal Radiology
Society of Toxicology (SOT)
Society of University Surgeons
Southern Illinois University School of Medicine
Stanford University
State University System of Florida
Stony Brook University
STXBP1 Foundation
SynGAP Research Fund, 501(c)(3)
SYNGAP1 Foundation
Temple University
Texas A&M Health
The Cleveland Clinic
The FamilieSCN2A Foundation
The George Washington University
The Gerontological Society of America
The Michael J. Fox Foundation for Parkinson's Research
The Ohio State University Wexner Medical Center

The Oxalosis and Hyperoxaluria Foundation
The State University of New York
The University of North Carolina at Chapel Hill
The University of Texas MD Anderson Cancer Center
The University of Utah
Triage Cancer
TSC Alliance
Tufts Medicine
Tufts University
Tulane University
UC Berkeley
UC San Diego
UCLA
UMass Chan Medical School
United for Charitable Assistance
United for Medical Research
United Ostomy Associations of America, Inc.
University of California Riverside
University of California San Francisco
University of California System
University of California, Irvine
University of Chicago Medical Center
University of Cincinnati
University of Colorado System
University of Florida
University of Hawai'i System
University of Illinois System
University of Iowa
University of Maryland, Baltimore
University of Miami Leonard M. Miller School of Medicine
University of Michigan
University of Nebraska Medical Center (UNMC)
University of Nevada, Reno School of Medicine
University of New Mexico
University of Pennsylvania
University of Pittsburgh
University of Rochester
University of South Carolina
University of Texas Southwestern Medical Center
University of Virginia
University of Wisconsin-Madison School of Medicine and Public Health
US Hereditary Angioedema Association
USF Health Morsani College of Medicine
Usher Syndrome Coalition
UTHealth Houston | The University of Texas Health Science Center at Houston
UVA Health
Vanderbilt University
Vanderbilt University Medical Center
VHL Alliance
Virginia Commonwealth University

Virginia Tech
Washington State University
Washington University in St. Louis
West Virginia University
World Molecular Imaging Society
Yale University