

NATIONAL INSTITUTES OF HEALTH
DIVISION OF PROGRAM COORDINATION, PLANNING, AND STRATEGIC INITIATIVES
(DPCPSI)



National Institutes of Health
Turning Discovery Into Health

COUNCIL OF COUNCILS

DPCPSI Director's Report

Nicole C. Kleinstreuer, Ph.D.
NIH Deputy Director for Program Coordination, Planning, and
Strategic Initiatives,
Director, DPCPSI
Chair, NIH Council of Councils

DPCPSI Leadership Changes



Stephanie J. Murphy, VMD, PhD

Director

Office of Research Infrastructure Programs, DPCPSI

New DPCPSI Director's Office Leadership



Bradley Bower, Ph.D.

NIH Chief AI Officer



Kristen Honey, Ph.D.

Chief Partnerships Officer, DPCPSI

New Office In DPCPSI



Warren Casey, Ph.D.
Director, ORIVA



Office of Research Innovation, Validation, and
Application (ORIVA)

ECHO Program Recent Accomplishments and Future Activities



Recruiting for Phentermine's Impact on Treatment in Teens (PHiTT) Trial

Will evaluate the safety and efficacy of daily phentermine in adolescents with obesity; aims to generate evidence for a lower-cost treatment option in primary care, especially rural settings, and expand medication options for youth who do not achieve sufficient weight loss through lifestyle intervention alone.



Funding Opportunities Supporting ECHO Longitudinal Research

Will support dissertation students (R36) and postdoctoral fellows (F32) conducting research using ECHO's longitudinal data through a controlled-access repository, helping expand the use and impact of ECHO data.



ECHO Data Migration to *All of Us* Platform Now Underway

Will create a more streamlined process for data access and life-course research. Phase 1 of migration includes phenotype data, later phases will support harmonized datasets, enhanced research tools, and improved integration of participant data.



3rd Translating Science to Action Symposium to Focus on Media Use

Will focus on Media Use and Child Health, examining strategies to support healthy child and adolescent development in an increasingly digital world. The event will bring together researchers and partners to discuss the latest evidence and practical approaches.

Coming May 2027

All of Us Research Program Updates

New Dataset Released

All of Us became world's **largest integrated genomics and health database** with its June 30, 2026 [release](#) of Curated Data Repository version 9 (CDRv9). Data from **more than 747,000 participants** includes over 535,600 whole genome sequences linked to over 480,000 EHRs, **new multiomics and wearable data**, and, for the first time, **clinical notes**, expanding **24,700+ registered researchers'** ability to explore scientific questions.



X01 for Biospecimen Access

Published on grants.gov, external investigators can now apply for de-identified samples to conduct analyses for biomarker discovery, biomarker validation, novel disease stratification, and multiomics for disease risk, diagnosis, and prognosis. July 1 receipt of applications complete.

Next round is due October 30.



Genotype to Phenotype Study Launch

All of Us has partnered with **NHGRI** and the **NIH Clinical Center** to identify participants with potentially undiagnosed genetic disorders or variants of uncertain significance. **Eligible participants who consent are offered detailed phenotyping and diagnostic evaluation, with 40+ consented to date.** Findings will be added to the Researcher Workbench while offering potential health insights to participants.

Participant Reassessment

All of Us is conducting large-scale longitudinal, virtual reassessment. **To date, over 116,000 have been invited, 48,000 have completed** all reassessment surveys, and 14,000+ have started at least 1 of the 5 surveys. A major milestone to deliver on our longitudinal promise on top of EHR, participants answer repeated questions and new scientific questions contributed by NIH Institutes.

New Funding Opportunities!

High-Risk, High-Reward (OSC)

- **Early Independence** ([RFA-RM-27-004](#)):
"Skip the postdoc"
- **Pioneer Award** ([RFA-RM-27-001](#)):
Established investigators
- **New Innovator Award** ([RFA-RM-27-002](#)):
ESI investigators
- **Transformative Research** ([RFA-RM-27-003](#)):
Individuals or teams

S10 Program (ORIP)

- **Seed Instrumentation Support Program**
([PAR-27-021](#))
- **Shared Instrumentation Grant Program**
([PAR-27-022](#))

PRIMED-AI (OSC)

- **Validation Center** ([RFA-RM-27-014](#))
- **Logistics Center** ([RFA-RM-27-015](#))
- **Development and Testing of a Multi-use Frameworks Playbook** ([RFA-RM-27-011](#))
- **Data-to-Model** ([RFA-RM-27-012](#))
- **Model-to-Clinic** ([RFA-RM-27-013](#))

INCLUDE Project (DO)

- **Exploratory/Developmental Research Awards**
([RFA-OD-27-003](#))
- **Transformative Research Awards**
([RFA-OD-27-004](#))
- **Clinical Trials Phased Awards** ([RFA-OD-27-005](#))

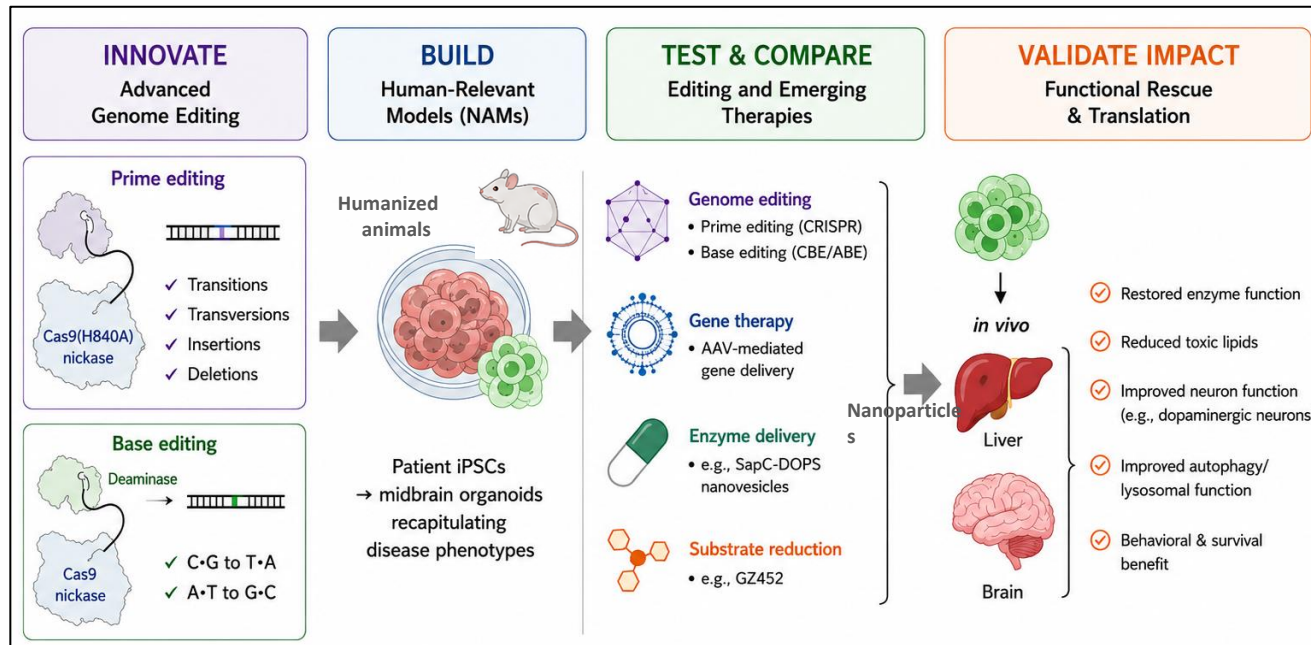
NIH DataForce Symposium

- The **NIH DataForce Service Program** recruits top data science talent to work at NIH on high-priority biomedical and health research.
- Built on the DATA Scholars and DataPath programs, DataForce combines expert and early-career talent in a **team-based model** for mission-critical data science.
- The inaugural **DataForce Symposium** showcased accomplishments, fostered collaborations among Scholars, Fellows, alumni, mentors, supervisors, and NIH leadership to strengthen the NIH data science community.
- Presentations, posters, and panel discussions highlighted how these Scholars and Fellows are advancing AI, informatics, cloud computing, and other data-driven approaches across NIH.



ORIP Supported Research Infrastructure Accelerates Translation of Next-Generation Therapeutics

ORIP's investments in specialized research centers and grants build shared resources that advance disease modeling, test new therapies, and help turn scientific discoveries into treatments that benefit people.



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Neuroscience, Stem Cells and Regenerative Medicine

Patient-Specific Midbrain Organoids with CRISPR Correction Recapitulate Neuronopathic Gaucher Disease Phenotypes and Enable Evaluation of Novel Therapies

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NEWS | 15 May 2025

World's first personalized CRISPR therapy given to baby with genetic disease

Treatment seems to have been effective, but it is not clear whether such bespoke therapies can be widely applied.

Cell

Article

In vivo prime editing rescues alternating hemiplegia of childhood in mice

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Article | Open access | Published: 14 April 2026

In vivo base editing rescues liver pathophysiology and peroxisome dysfunction in a mouse model of Zellweger spectrum disorder



Advancing Women's Health Innovation Through the SBIR/STTR Program

809

NIH Women's Health
Awards from FY20 - FY25

\$420M
Invested

22+

ICOs participated in the
webinars

2,000+

Webinar registrants

ORWH Leadership

- Women's health incorporated into HHS-wide NIH, FDA, and CDC SBIR/STTR Omnibus
- Organized 3-part national webinar series: *Small Business Opportunities for Innovative Women's Health Research*
- Expanded reach to women's health ecosystem and IC collaborations

Innovation Success Stories

- 🦴 Osteoboost™ (**NIA**): First prescription non-drug therapy for postmenopausal bone loss.
- 🧑‍🔬 AI-enabled cfDNA (**NHLBI**): Early prediction of preeclampsia.
- 🌸 ORILISSA® (**NINDS/NICHD**): Faster-acting endometriosis treatment.
- 🧠 CenterMom (**NIMH**): App-based support for perinatal depression.

Key Takeaway: The SBIR/STTR investments support U.S. small businesses in developing and commercializing innovative technologies that improve women's health across the life course.



New Challenges and Prize Competitions



Competency in Menopause & Integrated Therapy (COMMIT) Challenge

TOPx HHS
Tech Sprint for AI and Invisible Illness

TOPx HHS Tech Sprint for AI and Invisible Illness



NOURISH: Autoimmunity Digital Health Challenge



Integration of Nutrition Training into Health Care Education Challenge



It's About Time: Temporal Reasoning in Biomedical Knowledge Graphs Challenge



Targeting RNA in Disease with Novel Technologies (TRDNT) Challenge



Targeting RNA in Disease with Novel Technologies (TRDNT) Challenge – Phase II: Stage I

ARISE-HIV
Advancing Research in Implementation Science to End HIV

ARISE-HIV LAUNCH Challenge



Advancing the Inclusion of People with Disabilities in Clinical Research



Prize for Excellence in Disability Health Research

New Prize Winners

NIH Replication Prize

Track 1 Winners—Successfully identified high-impact areas in critical need of replication studies

Track 2 Winners—Creatively and successfully integrated replication into their standard research practice



Complement-AIRE NAMs Reduction to Practice Challenge

Phase 1 Winners and Phase 2 Launch Webinar



2024 DataWorks! Prize

Grand Prize Winner: Divergent Equilibria—Investigates sex differences in Acute Kidney Injury and its progression to Chronic Kidney Disease

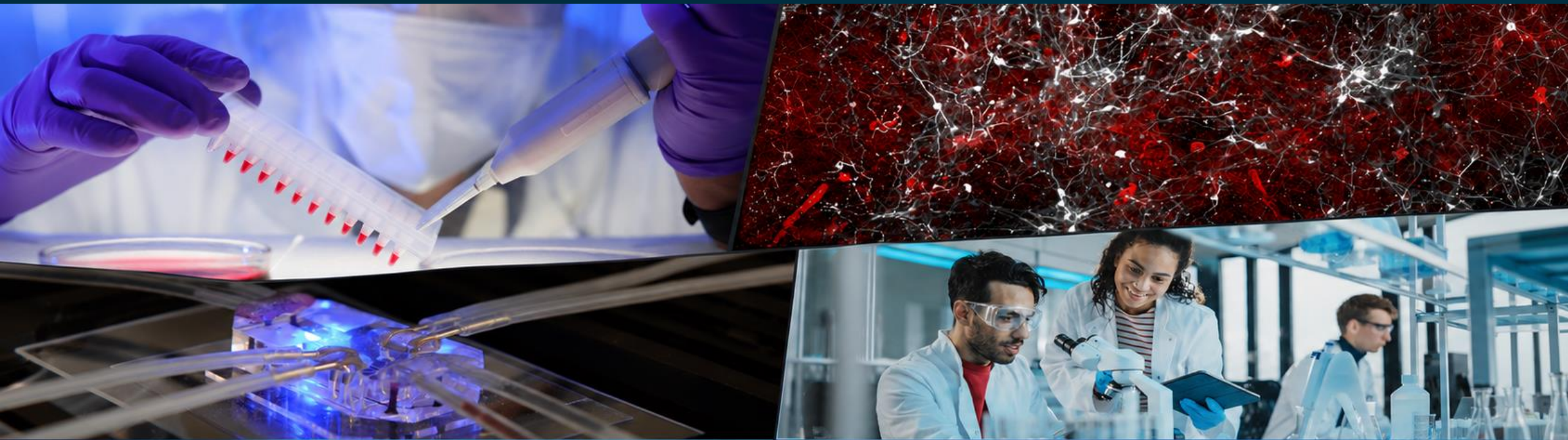
Distinguished Achievement Awards:

EarlyByrd Medical —A device startup that seeks to design and evaluate a meta-learning model trained on medical imaging data to validate the deployment on diagnostic tools.

Andreia Vaconcellos Faria's team—Develop models to predict functional domains that can be used in assessing the clinical impact of acute ischemic strokes.



Updates from the NIH Office of AIDS Research



Minisymposium Series on New Approach Methodologies (NAMs) for HIV

A Trans-NIH collaboration - OAR, NIAID, ORIP, NIDA, NIMH, NICHD



Mini-Symposium #1

- 🕒 Date/Time: August 31, noon–4:00 p.m.
- 📄 Title: Igniting the Pipeline: Preclinical Advances in NAMs for HIV



Mini-Symposium #2

- 🕒 Date/Time: September 10, 11:00 a.m.–4:00 p.m.
- 📄 Title: Preclinical Models and NAMs in HIV Research



Mini-Symposium #3

- 🕒 Date/Time: September 18, noon–4:00 p.m.
- 📄 Title: Priority Use Models, Platform Readiness, and Validation Pathways



**Register
Today!**



5th Annual

WORKSHOP FOR EARLY CAREER INVESTIGATORS IN HIV

Monday, September 28, 2026

11:00 a.m. – 3:00 p.m. ET

Virtual Zoom Event



National Institutes of Health
Office of AIDS Research

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Upcoming ORIP (R13) Supported Conference

[About](#) [Registration & Abstracts](#) [Model Organisms](#) [Program](#) [Themes](#) [Keynotes](#) [Venue](#) [Sponsors](#) [Contact](#)

AQUATIC MODELS OF HUMAN DISEASE

MARINE BIOLOGICAL LABORATORY · WOODS HOLE, MASSACHUSETTS

Diving Deeper into Disease Biology:
Emerging Models in Human Health

OCTOBER 17-21, 2026



Bridge2AI Fall 2026 All Hands Meeting & Open House

Oct 20-21, 2026 / Rockville, MD

- Network with consortium members
- Explore AI-ready datasets, tools, and standards
- Participate in hands-on demos and technology fair
- Learn about cross-cutting best practices in biomedical AI



Register by October 6, 2026

Learn more: <https://bit.ly/4weGt1H>

