

Data and Technology Advancement (DATA) National Service Scholar Program Ad

Overview

The National Institutes of Health (NIH) [Office of Data Science Strategy](#) (ODSS) Data and Technology Advancement (DATA) National Service Scholar Program seeks experienced data and computer scientists and engineers to tackle challenging biomedical data problems with the potential for substantial public health impact.

NIH envisions a biomedical enterprise in which data and information generated in the field, laboratory, and clinic are processed and analyzed in real time and readily shared. In an increasingly data-rich world, these advances are essential to the NIH mission of enhancing health, lengthening life, and reducing illness and disability.

Achieving this mission requires deep experience in, and knowledge of, data and computer sciences and related fields. To bring talented professionals with such expertise to advance high-impact NIH programs, the ODSS created the DATA National Service Scholar Program. DATA Scholars will substantially optimize and accelerate data science in biomedicine to improve human health and well-being. The program will also encourage transformative approaches that lead to increased efficiency, innovative research, tool development, and analytics.

Program Details

The one- to two-year funded position may be onsite or remote. Applicants should be prepared to relocate to one of the NIH Institutes, Centers, or the Office of the Director, located in Bethesda and Rockville, MD, or Research Triangle Park, NC. DATA Scholars are expected to devote a minimum of 60% full-time equivalent, and will lead and collaborate with NIH staff on one of the NIH Prioritized Projects listed below. During this period, DATA Scholars will:

- Lead exciting, high-profile, transformative NIH projects that leverage large data sets to advance knowledge in areas of high biomedical research impact
- Directly communicate with NIH senior leadership about projects and topics of importance for the biomedical research community
- Collaborate with other DATA Scholars and the NIH data science community across broad disciplinary boundaries in training, discovery, and development of data science skills, methods, tools, and technologies
- Engage with policymakers, top researchers at NIH and other institutions, and industry partners at the cutting edge of data science
- Gain an understanding of NIH operations

NIH Prioritized Projects for DATA Scholars

- A Computational Framework to Identify Shared Molecular Etiology Among Rare Diseases Towards Drug Discovery
- A Cost-Benefit Analysis of Persistent Identifiers Across the NIH-Funded Biomedical Research Sector
- Analyzing the Nation's Over-the-Counter Testing Data
- Application of Data Science to EHR Data from the All of Us Research Program

- Distributed Genomic Analysis Workflows and Services on NIH Cloud-Based Data Resources
- Enhancement of the FITBIR Data Science Platform Analysis Tools to Advance Traumatic Brain Injury (TBI) Research
- Integrating Multi-Dimensional Data to Promote Data-Driven Research in Oral Health and Oral Health Disparities
- Integrative Biological and Behavioral Health Disparities Data Scholar
- LitCoin Natural Language Processing Coalescence
- Longitudinal Harmonization and Analysis of Alzheimer's Disease and Related Dementias (AD/ADRD)
- Modernizing the NIDDK Biomedical Data Ecosystem to Enhance Translation of Big Data Science to Clinical Studies and Health Outcomes
- Multi-modal NHLBI Data Integration Solutions: Linking Health and Environmental Data to Improve Patient and Community Health
- Using Large Language Models to Understand Immune Cell Communications

Application Information

To learn more and apply, please visit <https://datascience.nih.gov/data-scholars>. You must complete the application form and provide a resume or CV, cover letter, and names and contact information for **three references**. Within the cover letter, provide a **vision statement** describing how you will use your experience to address data challenges and advance the mission of NIH. Applications will be reviewed on a rolling basis and are due no later than 11:59 p.m. EDT on [TBD, application deadline].

Eligibility

Applicants should possess technical skills in one or more of the following data science areas, as relevant to their proposed project area(s). Applicants should have an M.D., Ph.D. or equivalent doctoral degree and have advanced experience in data science or related fields. Applicants must be citizens or non-citizen nationals of the United States, or individuals who have been lawfully admitted for permanent residence (i.e., in possession of a currently valid Permanent Resident Card USCIS Form I-551, or other legal verification of such status).

DHHS and NIH are Equal Opportunity Employers. Applications are strongly encouraged from individuals who are from groups identified in NIH's Notice of Interest in Diversity ([NOT-OD-20-031](#)) as underrepresented in the biomedical, clinical, behavioral and social sciences, including but not limited to individuals from underrepresented racial and ethnic groups, individuals with disabilities, individuals from disadvantaged backgrounds, as well as women.

Compensation and Benefits

Salary level will be commensurate with qualifications and experience. Relocation expenses may be paid. The NIH offers competitive benefits, telework options, and flexible alternative work schedules. For full details, see <https://hr.nih.gov/benefits>.

Program Contact

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