

Opportunity Title: Data Science and Analytics Research Fellowship

Opportunity Reference Code: NIH-NIAID-2020-0002

Organization National Institutes of Health (NIH)

Reference Code NIH-NIAID-2020-0002

How to Apply A complete application consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. All transcripts must be in English or include an official English translation. Click [here](#) for detailed information about acceptable transcripts.
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional recommendations

All documents must be in English or include an official English translation.

If you have questions, send an email to NIHprograms@orau.org. Please include the reference code for this opportunity in your email.

Application Deadline 12/17/2019 3:00:00 PM Eastern Time Zone

Description *Applications will be reviewed on a rolling-basis.

As a Research Participant in the NIAID Data Analytics and Research Branch (DARB), the participant will receive training and hands-on-experience in applying and managing data and portfolio analysis strategies and learning about NIH and bibliometric databases and tool development to manage programs in infectious, immunological, and allergic diseases.

Appointments will be for one year, with a second-year option. The program is within NIAID DARB and the participant will have opportunity to interact and build relationships with NIAID extramural and intramural Divisions and NIAID leadership. NIAID actively encourages fellows to partake in a variety of developmental assignments during their fellowship to broaden their perspectives on NIAID and NIH's missions, strengthen managerial and technical competencies, develop a broad understanding of NIAID's data needs from a variety of views, and further develop leadership abilities. In addition to a stipend, Research Participants will be provided with a travel and training allowance and a health insurance allowance.

NIAID is a \$5.5 billion research organization whose mission is to conduct and support basic and applied research to better understand, treat, and ultimately prevent infectious, immunologic, and allergic diseases. The scope and complexity of NIAID operations have expanded dramatically in recent years to respond to emerging and immediate health challenges, and to meet the urgent mandates of the Executive and Legislative Branches. The planning, development, and evaluation of these independent research areas are done as part of a total integrated process, cutting across all mission areas and budgets to collaboratively identify and weigh program priorities, emerging requirements and opportunities and research constraints to meet NIAID expanding mission objectives.

DARB provides robust data and portfolio analytical capabilities for data-driven decision making; performs short-and long-term portfolio analyses informed by analytical and data science research methodologies; The fellow will have the opportunity to learn about NIH grant and bibliometric data, evaluate robustness tools developed at DARB and learn how to carry out in-depth data analysis that informs NIAID leadership. The fellow will also have the opportunity to learn about developing tools and applications for data mining, curation, manipulation, verification, cleansing, analysis, and



ORISE GO

The ORISE GO mobile app helps you stay engaged, connected and informed during your ORISE experience – from application, to offer, through your appointment and even as an ORISE alum!

Visit ORISE GO 

GET IT ON
 **Google Play**

Download on the
 **App Store**

Opportunity Title: Data Science and Analytics Research Fellowship

Opportunity Reference Code: NIH-NIAID-2020-0002

visualization; provides training on data and portfolio analysis tools and methodologies; consult with program and other staff to produce portfolio analyses; provide interpretations of data and portfolio analysis results; disseminate findings, tools, data, etc. as appropriate. The fellow will have the opportunity to build relationship with NIAID Office of Data Science and Emerging Technologies and interact with counterparts and leadership in the Office of Extramural Research (OER) and the Office of Portfolio Analysis (OPA), and the NIH Institutes.

This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE) was established through an interagency agreement between DOE and the National Institute of Allergy and Infectious Diseases (NIAID). The initial appointment is for one year, but may be renewed upon recommendation of NIAID contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at NIAID in the Rockville, Maryland, area. Participants do not become employees of NIH, NIAID, DOE or the program administrator, and there are no employment-related benefits.

Anticipated Appointment Start Date: November 2019

Appointments are typically made for one year and are renewable for a total of two years. Stipend rates are established and non-negotiable. Stipends are reported to the U.S. Internal Revenue Service as fellowship awards however, no federal income taxes will be withheld. Stipends are paid monthly.

1st year stipend rate: \$67,600, \$74,880, or \$85,020 annually (commensurate with education and experience)

2nd year stipend rate: \$70,304, \$77,785, or \$88,421 annually (commensurate with education and experience)

100% of health insurance premiums are covered for individuals or families, as appropriate.

An annual travel (\$3,500) and training (\$2,500) allowance is established for each participant for a total of \$6,000 annually. Travel and training funds are interchangeable as necessary.

Qualifications The qualified candidate must have received a bachelor's, master's or doctoral degree in one of the relevant fields. Degree must have been received within five years of the appointment start date. Current students who are close to completing their degrees may apply but must have completed their degrees by the start of the fellowship.

Preferred skills:

- Experience in biological research, science management, data science, bioinformatics, or other biocomputational fields
- Experience in R, Python or other data science tools
- Excellent critical thinking and analytical skills, including exceptional attention to detail
- Experience with statistical methods
- Excellent oral and written communication skills
- Strong interpersonal skills and an ability to collaborate with staff at all levels





Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or anticipated to be received by

Opportunity Title: Data Science and Analytics Research Fellowship

Opportunity Reference Code: NIH-NIAID-2020-0002

7/15/2020 11:59:00 PM.

- **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([16](#) )
 - **Engineering** ([6](#) )
 - **Life Health and Medical Sciences** ([2](#) )
 - **Mathematics and Statistics** ([10](#) )

ORAU is an Equal Opportunity Employer (**EOE AA M/F/Vet/Disability**); visit the [ORAU website](#) for required employment notices.