

National Advisory Council for Human Genome Research
May 2020
Concept Clearance for PAR

Research Experiences in Genomic Research for Data Scientists

Purpose: The National Human Genome Research Institute (NHGRI) announces the availability of funds to attract master's level data scientists into the genomics workforce. NHGRI intends to support domestic institutions to enhance genomics research experiences of master's level data scientists. Examples include both individuals who have completed MS degrees in data science and those with MS degrees in areas connected to data science (e.g., mathematics/statistics/computer science/computational biology).

Data scientists are increasingly working as core members of genomic research teams. There is a need for people trained in data science to supplement the research education they received in their master's programs. In this way, they may become more effective members of a genomics research team and gain additional subject matter expertise and skills in genomics aspects of data science and bioinformatics.

The research education of the participants to be supported will incorporate didactic, research, and career development elements to prepare individuals for careers that will have a significant impact on the health-related research needs of the Nation.

Participants funded under this award will be expected to attend and present their research at the [NHGRI Research Training and Career Development Annual Meeting](#).

New or renewal/modified initiative: New initiative

Mechanism of Support: R25

Application Due Date(s): [Standard dates](#) apply

Award Budget: Application budgets are limited to \$225,000 total costs per year to support as many trainees as possible based on institutional salary guidelines but no less than two.

Award Project Period: The total project period may not exceed 5 years.

Eligible Individuals (Program Director/Principal Investigator):

NHGRI encourages multiple PD(s)/PI(s), particularly when each brings a unique perspective and skill set that will enhance the research education program. The PD(s)/PI(s) must be able to provide both administrative and scientific leadership to the development and implementation of the proposed program. At least one of the PD(s)/PI(s) should be an established investigator in areas relevant to NHGRI. Additional PD(s)/PI(s), including individuals with experience in with experience in the science of education, relevant disciplines, program evaluation, mentoring, and university administration may be included to achieve the program goals.

Eligible Individuals (Participants):

In order to receive salary support, the participant must be a citizen or a noncitizen national of the United States or have been lawfully admitted for permanent residence at the time of appointment.

Participants should be appointed for no less than 6 months and not exceeding 24 months.