

National Advisory Council for Human Genome Research

**September 18, 2023
Concept Clearance for PAR**

Genomic Research Experiences for Data Scientists (R25)

Purpose:

The National Human Genome Research Institute (NHGRI) seeks to reissue [PAR-21-075](#) to attract graduate students in data science into the genomics research workforce. The focus of this initiative is to complement the educational activities offered by Master's programs in data science fields (e.g., mathematics, statistics, computer science, physics, computational biology, engineering) to include genomics research experiences. The training opportunities offered under this initiative will include didactic exposure to genomic concepts as well as experimental and computational research experiences in genomics. Such training will enable data scientists to become more integrated and contribute more effectively when working within a genomics research team.

New or renewal/modified initiative: This is the renewal of PAR-21-075 which expired in May 2023. The expired NOFO has received three application rounds, and the active awards are listed in Appendix 1. No significant changes are proposed for this PAR renewal.

Mechanism of Support: R25. Application budgets are limited to \$250,000 direct costs per year. The total project period may not exceed 5 years.

Appendix 1: FY22-23 Awards under the PAR-21-075

Grant	PI/Institution	Title	FY22	FY23
HG012325	Liu, Yunlong Indiana University	Indiana Genomics Research Training Program for Data Scientists (INGEN4DS)	\$256,983	\$251,520
HG012330	Kanthaswamy, Sreetharan Arizona State University	Training in Genomics Research (TiGeR)	\$235,658	\$255,577
HG012337	Noble William University of Washington	University of Washington Genomics Research Training for Data Scientists	\$252,145	\$252,145
HG012919	Hendricks, Audrey University of Colorado	Research experience pathways in genomic data science (PATH-GDS) for underrepresented groups	N/A	\$264,010
HG012324	Larracuente, Amanda University of Rochester	Genomic Intensive Data Science Research, Education and Mentorship	N/A	\$261,946