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Concept Clearances: Research Experiences in Genomic Research for Data Scientists (R25)

Luis Cubano (on behalf of the Training Team)

Presentation to NACHGR

May 18, 2020



National Human Genome
Research Institute

—
The **Forefront**
of **Genomics**[®]
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Program Announcement: Research Experiences in Genomic Research for Data Scientists

- **Why?**

- Data scientists are increasingly working as core members of genomic research teams, but they have limited opportunities to gain the research workforce skills
- Goal is to increase data scientists' involvement in clinical and basic genomics research

- **Eligibility**

- Domestic institutions that will create a research education program
- Individuals to be appointed: Individuals who have completed a master's degree in areas related to data science
- Data scientists without significant prior experience in genomic research
- Data scientists not currently supported by research grants

Program Announcement: Research Experiences in Genomic Research for Data Scientists

- **Mechanism of Support:** R25 Research Education Program
 - Personnel Costs
 - Participant Costs
 - Other program-related expenses: Consultant costs, equipment, supplies, travel.
 - Indirect Costs are reimbursed at 8%
- **Role of Participants in Research Projects**
 - Will support participation in the generation, analysis, and dissemination of research data
- **Examples of research roles**
 - Analyze genomic data using methods optimized for finding phenotypically relevant signals that may be missed during routine statistical analysis
 - Build predictive models and data visualization tools to communicate findings with experimentalists and clinicians

Budget

- **Award Budget:** Limited to \$225,000 total costs per year, which includes 8% in F&A, to support at least two participants
- **Effort:** Participants will be required to devote a minimum of 6 person-months (50% of full-time professional effort)
- **Length of support for participants:** From 6 months up to 24 months
- **Award Project Period:** The institution can request up to 5 years of support for the research education program

Thank you

- Joy Boyer
- Heather Colley
- Tina Gatlin
- Alex Raphael
- Robb Rowley
- Shurjo Sen

Questions and Comments