



National Human Genome
Research Institute

Pre-Application webinar for **New**
**NHGRI Postdoctoral Training Program
in Genomic Medicine Research**

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Outline

1. Aspects of a Program Unique to Genomic Medicine
2. Elements of a T32 Program
3. Applicant Information
4. Q&A

Genomic Medicine T32

- Trainee level: Post-docs ONLY
 - MD or PhD degrees or equivalent
- Up to 6 trainee slots
- New generation of scientists in genomic medicine
- NHGRI definition of genomic medicine:
 - Emerging medical discipline
 - Using genomic information about an individual as part of their clinical care (e.g. diagnostic or therapeutic decision-making)
 - Translational genomics/medical applications of genomics
- Bridge the gap between genomic science + genomic medicine
- Two tracks:
 - 1) Focus on basic research
 - 2) Focus on clinical research (not clinical care of patients)

Elements of a T32 Program

- Goal: Train individuals to conduct research and prepare for research careers
- Program Director(s)
 - Multiple PI/PD recommended
 - Demonstrated leadership, training, and administrative experience
 - Scientific expertise, active research portfolio, publications
 - Strategy for overseeing and monitoring the program
- Program Faculty
 - Requisite expertise in genomic medicine and genomic sciences
 - Research Support
 - Training Experience
 - Evidence of Collaboration

T32 Training Plan

- Training Plan
 - Effective objectives, design and directions
 - Suite of courses, laboratory rotation, and research appropriate for genomic medicine
 - Appropriate inter-multidisciplinary research training opportunities
- Prepare trainees to become developers of technology in genomic medicine
- Preparation for next step of career:
 - Oral and written presentations
 - Leadership skills
 - Applying for career awards and peer-reviewed grants
- Differs from other training programs funded at the institution
- Individual Development Plans tailored to student needs

Training Elements

- Career development & professional guidance
- Rotations in a lab setting that focuses on Gen Med
- Working and thriving in an interdisciplinary environment—team science
- Reproducibility of experimental results
- Balance of resources—what sets the Gen Med training program apart from the rest
- Institutional Environment
 - Level of support and commitment by the institution to support the program long-term
 - Adequate staff, facilities, and educational resources
 - Trainee opportunities
 - What makes the program unique

Evaluation

- Program Evaluation
 - Rigorous plan to assess the quality and effectiveness of the training
 - Plans to track students long-term
 - Plans to collect data on program to make changes, if necessary
 - Metrics that should be considered:
 - Program activities completed
 - Publications
 - Fellowships/Honors
 - Job opportunities
 - Collect feedback from trainees:
 - Identify weaknesses
 - Areas of improvement
 - Trainee-mentor matching
 - Up-to-date skills training

Receipt Dates

- May 25
 - For applications including revised applications
- Use SF424 Research and Related (R&R) application package

Budgets

- Allowable costs:
 - Tuition/fees/health insurance/stipend
 - Up to \$2,000/year for the Program Director (s) to attend the annual trainee networking meeting in Washington, DC
- T32 Parent Announcement:
 - <http://grants.nih.gov/grants/guide/pa-files/PA-14-015.html>
- Notice of NHGRI Postdoctoral Training Program in Genomic Medicine Research:
 - <http://grants.nih.gov/grants/guide/notice-files/NOT-HG-14-017.html>

Applicant Questions

Contact program to
discuss your proposal!



Any Questions?

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