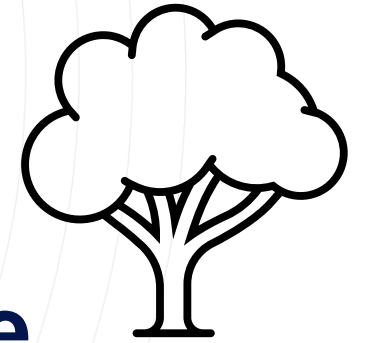


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Entry-Level Training Modules (ELM) for the genomics research workforce



An initiative to increase genomic knowledge in our
entry-level genomics research workforce and
enhance diversity within the field of genomics

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National Advisory Council for Human Genomics Research
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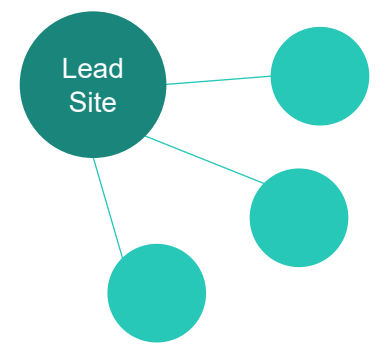
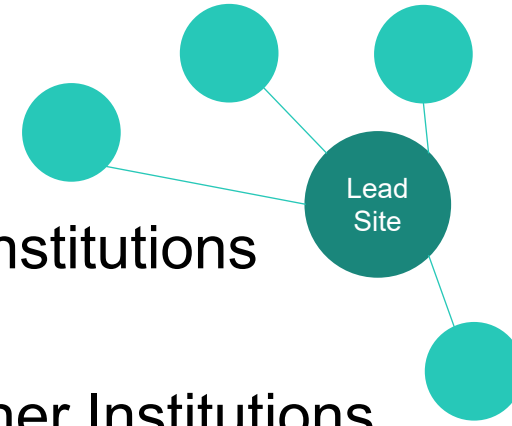


Purpose 1: Increase genomic knowledge in our entry-level genomics research workforce

- Entry-level workforce:
 - Positions that do not require a bachelor's degree
 - Often require dedicated training and specific skills in community, technical, or tribal colleges
 - Examples: medical, nursing, research, and laboratory assistants
- Modules
 - Stand-alone units of curriculum that supplement existing training
 - Possible components: online coursework, lesson plans for an in-person classes, suggested readings, and/or activities to reinforce the lesson
 - Will be made freely available
 - Example topic areas: basic genomic concepts; genomic testing strategies or methodologies; and legal, ethical, and social aspects of genomic research

Purpose 1: Increase genomic knowledge in our entry-level genomics research workforce

- Lead Sites (3-5)
 - Content expertise in genetics/genomics
 - Demonstrated capacity for relationships with identified Partner Institutions
 - Develop educational modules
 - Provide training modules to and support implementation at Partner Institutions
- Partner Institutions (3-5 for each Lead Site)
 - Have programs that train entry-level research workers
 - Staff at Partner Institutions will be trained by Lead Site
 - Provide genomics education to students



Purpose 2: Enhance diversity within the field of genomics

- Entry-level workforce more diverse when compared to graduate, post-doctoral, or senior research positions
- Enhance diversity at entry-level
 - Provide \$100K for each Lead Site
 - Support tuition and education
 - Reduce barriers to entry and increase enrollment
- Enhance diversity throughout the workforce
 - Some entry-level workers obtain further education and switch careers
 - By providing exposure and training in genomics, NHGRI can attract a more diverse workforce to genomic careers



Funding

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- Funding per award:

	FY24	FY25	FY26	Total
Direct	\$210,000	\$210,000	\$130,000	\$550,000
Indirect (8%)	\$16,800	\$16,800	\$10,400	\$44,000
Total Cost	\$226,800	\$226,800	\$140,400	\$594,000

Three awards =
\$1.8M total costs for 3 years

- R25 mechanism = 8% indirect costs
- Year 1 & 2: creation and implementation of modules; higher funding
- Year 3: evaluate and refine modules
- Funds will be provided to Lead Sites
 - May use subcontracts to support implementation at the Partner Institutions
- NSF interested in collaborating, will ask for IC co-sponsors

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Discussion



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