

Program Details

Interdisciplinary Training in Genome Engineering Program

The Northwest Genome Engineering Consortium (NGEC) is pleased to announce the availability of positions in the Interdisciplinary Training in Genome Engineering program. This program supports post-doctoral fellows within their first three or four years of training who undertake interdisciplinary projects in genome engineering-related fields.

Selected individuals will carry out projects spanning two or more disciplines with co-mentoring by two principal investigators with complementary expertise. Projects are not required to utilize homing endonucleases or further NGEC research goals. Fellows will be chosen on the basis of the interdisciplinary nature of their project, its relationship to genome engineering, the degree of scientific innovation, potential impact, and likelihood of a productive outcome of the project and the quality and appropriateness of the training experience for career development of the trainee. The period of training will be up to two years, and training will involve active research and associated laboratory meetings, NGEC group meetings, presentation of their data at the annual Workshop for Genome Engineering, and travel to an outside meeting each year. Options are also provided for additional interdisciplinary experiences including didactic coursework, a biotechnology externship, participation in the many interdisciplinary symposia and workshops which take place among NGEC institutions, and graduate level teaching. The program includes both NRSA grants for US citizens, nationals and permanent residents and non-NRSA grants for foreign citizens. Several positions are available each year.

We are currently accepting applications from PhD and MD post-doctoral fellows; senior graduate students and recent Ph.D. recipients who have positions lined up that have not yet started are welcome and encouraged to apply as well. The application deadline for funding is **April 30th, 2010**. Application packet instructions and additional program details can be found on the NGEC website (<http://www.seattlechildrens.org/research/immunity-and-immunotherapies/ngec/>, click on “Educational Opportunities”). Funding will begin in July 2010. Questions should be directed to Andre Durudas, NGEC Project Coordinator, at andre.durudas@seattlechildrens.org.

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Application Requirements: (download application instructions file for complete details)

- Cover Page (including abstract)
- Current CV of applicant
- Graduate and undergraduate transcripts (official or unofficial)
- Proposal
 - Research proposal in general NIH format: Specific Aims, Background and Significance, Preliminary Studies (optional), Research Design and Methods, Literature Cited. (Maximum 3 pages not including bibliography, single-spaced, 12 pt type)
 - “Relevance to Training Grant Mission” statement detailing how the proposal is interdisciplinary and related to the field of genomic engineering. Include a description of the role of each mentor in the project and if it is a new or existing collaboration. (Maximum 1 page, single-spaced, 12 pt type)
 - “Plans for Career Development” statement (Maximum ½ page, single-spaced, 12 pt type)
- Letters from both mentors agreeing to the proposal. Information about research support available for the project should be included in each letter.
- Letters of recommendation from two references other than the mentors.

Selection Criteria:

- The relationship of the project to genome engineering
- The interdisciplinary nature of the project
- The degree of scientific innovation, potential impact, and likelihood of a productive outcome of the project
- The training qualifications, appropriateness of background and resources, and degree of involvement of the two co-mentors
- The academic track record of the trainee to date
- The quality and appropriateness of the training experience for career development of the trainee

Benefits of Appointment:

- Funding for up to two years
- Funding to travel and present at an outside meeting
- Opportunity to attend regular NGEC meetings
- Opportunity to attend and present at local seminar series including the Interdisciplinary Research Colloquia
- Opportunity for graduate level teaching in the Molecular Medicine and Pathophysiology conjoint classes
- Option to do a biotechnology externship for 2-3 months following post-doctoral tenure

Requirements of Appointment:

- Attend and present at the annual NGEC Workshop on Genome Engineering and one additional NGEC meeting per year
- Participate in the University of Washington's Biomedical Research Integrity course (or complete a similar program at home institution if not based in Seattle)
- Submit a yearly written update on research undertaken, progress and publications
- Apply for external funding support during first year of fellowship
- NRSA recipients must comply with NIH payback service obligations. If appointed for two years, the first year will incur the payback requirement and the second year will discharge it, leaving no remaining service requirement after the period of support. See [NIH policy](#) for complete regulations.