

GSTP

Genomic Sciences Training Program Predoctoral Traineeships

I. General Information

The GSTP predoctoral traineeships are open to trainees who will work with GSTP trainers as mentors (see attached list). The predoctoral traineeships must take place at UW-Madison, and the **predoctoral trainees must be U.S. citizens or hold permanent resident status.**

Applications should be emailed to lpape@wisc.edu by [call due date].

**Genomic Sciences Training Program (GSTP)
Room 3445 Genetics/Biotechnology Center (new addition)
425 Henry Mall
UW-Madison
Madison, WI 53706**

II. Application Checklist

- A primary and secondary mentor should be chosen (primary trainer from Category A, B or C and the secondary trainer from a different category—see GSTP trainer list at www.gstp.wisc.edu/faculty-trainers/). The primary mentor must submit a letter of recommendation.
- 3 Letters of Recommendation, including: one letter from the major professor reviewing the student's research problem and progress (primary mentor), if the major professor has been determined. Otherwise, one letter should preferably be from a faculty member in the student's department, sent directly to the GSTP Office or emailed to lpape@wisc.edu. Letters used for admissions are acceptable.
- Curriculum Vitae* of nominee, including his/her work experience
- Include Undergraduate and, if applicable, Graduate Transcripts (copies); GRE scores (if taken); Graduate School Application (copy)
- One page description of proposed research project—including references.
- One page justification (including references) covering why your research project is innovative and will engender new inventions. Be as explicit and descriptive as possible when describing your invention(s) and what advances they will offer over the current state-of-the-art.

Nomination Form

**Traineeship in
Genomic Sciences Training Program (GSTP)**
Students Currently Enrolled in a UW Graduate Program

Name of Student
First Name Middle Initial Last Name

Sponsoring Professor
and Enrolling Department Professor, or Department Graduate Chair Enrolling Department

Secondary Advisor:

Undergraduate Major(s) B.S. or B.A./Year

Undergraduate School(s) GPA

GRE Scores (if taken)

<u>VERBAL</u>		<u>QUANTITATIVE</u>		<u>ANALYTICAL</u>		<u>ADVANCED</u>		Subject
Score	%	Score	%	Score	%	Score	%	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

E-mail address:

Graduate degrees:

Graduate GPA (if applicable):

Please attach the student's statements on the proposed research project and justification:

- One page description of proposed research project—including references.
- One page justification (including references) covering why your research project is innovative and will engender new inventions. Be as explicit and descriptive as possible when describing your invention(s) and what advances they will offer over the current state-of-the-art.

Please list any fellowships/traineeships or other financial support for this student while at UW-Madison. Include dates, as well as traineeships applied for.

Briefly outline the reasons why this candidate is particularly worthy of support in the Genomic Sciences Training Program (research interest/experience, stated interest in cross-disciplinary research, etc.).

Please list publications and research presentations by student.

GSTP trainees are expected to gain knowledge in the following areas:

- Biological Sciences
- Computational/Statistical Sciences
- Physical Sciences

The required and suggested courses in these three areas are listed below. Required courses are marked with an asterisk; the others represent some of the elective courses that will be useful for many of the trainees. The GSTP Trainee Advisory Committee will review each trainee's course curriculum and expects that approximately three courses will be taken to fulfill the core curriculum of GSTP. Courses taken as an undergraduate can be used, pending approval, to satisfy the GSTP course requirements. Substitutions can be made with the approval of the GSTP Trainee Advisory Committee. Courses taken can count for both the Ph. D. Minor, which typically involves four courses taken outside of one's home department, and for the GSTP requirements.

These courses will be required of all GSTP trainees receiving three-year fellowships, and a subset will be required for trainees awarded fewer years of support. Students will also be required to participate in a weekly GSTP seminar for the duration of their fellowship and in a one semester Scientific Ethics course (such as Biochem 729; Microbiol 901).

Please indicate (by checking the box) which of the GSTP curriculum courses (partial listing), or near equivalents, the applicant has already taken and the grade received. For near equivalents, please provide the course name, the offering institution, and the grade received.

- *Genomic Science (Genetics 626/ Chem 626)**
Grade: _____
- Introduction to Bioinformatics (Biostatistics and Medical Informatics 576)**

Grade: _____

- Advanced Bioinformatics (Biostatistics and Medical Informatics 776)**

Grade: _____

- Statistical Methods for Bioscience I (Statistics 571)**

Grade: _____

- Advanced Genomics & Proteomic Analysis (Genetics 885)**

Grade: _____

- Human Genetics (MD Genetics/Genetics 565)**

Grade: _____

- Modeling Biological Systems (Chemical Engineering 782)**

Grade: _____

Please list other biological science courses the applicant is taking or has taken and the grades received.

Please list other computational/statistical courses the applicant is taking or has taken and the grades received.

Please list other physical science courses the applicant is taking or has taken and the grades received.

Racial/Ethnic Heritage (optional):

- American Indian or Alaska Native
- Asian
- Native Hawaiian or Other Pacific Islander
- Black or African American
- Hispanic or Latino
- White (not of Hispanic origin)
- More Than One Race

Disability (optional): Yes No

For the purposes of the Genomic Sciences Training Program, a person with a disability is defined as any person who has a physical or mental impairment, which substantially limits one or more major life activities, has a record of such an impairment, or is regarded as having such an impairment.

Disadvantaged background (optional): Yes No

For the purposes of the Genomic Sciences Training Program, a person with a disadvantaged background is defined as any person who meets two or more of the criteria listed in <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-031.html> .

Citizenship US citizen *or* Permanent Resident of the US *or*
 Non-citizen national of the US

Funding:

The NHGRI-supported predoctoral stipend level for FY21 is \$25,320. Any supplement is required to come from non-federal sources.

Please also include:

1. Graduate School Application (copy)
2. Undergraduate transcripts (include graduate work also, if applicable), copies
3. GRE scores, if taken (copy)
4. 3 Letters of Recommendation, including: one letter from the major professor reviewing the student's research problem and progress, if the major professor has been determined. Otherwise, one letter should preferably be from a faculty member in the student's department. Letters used for admissions are acceptable.
5. *Curriculum Vitae* of nominee, including his/her work experience.

Note: To be eligible as a trainee, a student must be: a U.S. citizen or non-citizen national of the U.S. or have been lawfully admitted to the United States for permanent residence, and have in their possession a permanent visa at the time of appointment.

(Last updated Nov. 2021)