

Molecular Biophysics Training Program at Northwestern University

Participating Graduate Programs

IBiS, IGP, NUIN, MSTP, Chemistry, Physics, Chemical & Biological Engg, Materials Science & Engg

Eligibility

Pre-doctoral students from participating graduate programs in their 2nd & 3rd years of graduate training at the time of appointment conducting biomedically-relevant biophysics research are eligible. Appointment will provide stipend, tuition, and some funds for yearly travel to a scientific meeting.

Curricular Requirements

In addition to completing the requirements of their parent graduate program, trainees must take **three** required core courses in Biophysics, an ethics course, and an appropriate elective course.

Core Courses:

1. Choose one of: IBiS Molecular Biophysics (IBiS 401), DGP Structural Basis of Signal Transduction (DGP 466), DGP Macromolecular Structure and Function (DGP 465)
2. Biophysical Methods (IBiS 409, Fall 2013)
3. Quantitative Biology (IBiS 410)

Ethics Course:

Ethics in Biological Research (IBiS 423) or Colloquium on Integrity in Biomedical Research (DGP 494)

Elective Courses:

Visit the website <http://www.biophysics.northwestern.edu/> for the list of approved elective courses.

Program Activities

Molecular Biophysics Club – Monthly, Third Wednesdays, Noon, Cook 3118

Presentations by a graduate student or post-doc from participating preceptor labs

Evanston Molecular Biophysics Journal Club – Monthly, Fourth Tuesdays, Noon, Cook 3118A;

Chicago Incomplete Factorial Structure Function Journal Club – Monthly meetings

Student-run journal clubs with presentations by participating preceptor lab members

Molecular Biophysics Seminar Series – Monthly, First Thursdays, 12:30 PM, Pancoe Auditorium

Distinguished non-NU speakers hosted by preceptors followed by lunchtime meetings with speaker

Biophysics Trainee Meetings – Monthly, Second Mondays, Noon, Pancoe 4103/Ward 8-182

Trainee meetings with the Steering Committee and Mentors describing their research progress

Annual Biophysics Symposium – Third Wednesday in June, 9 AM-5 PM, Pancoe Auditorium

Trainee Nomination & Selection

Students are nominated by preceptors over the summer each year. Nominations are evaluated by an *ad hoc* committee comprising program preceptors. Presently, **8** trainees are appointed each year.

Specific Expectations of Supported Trainees; Trainees must -

- Complete curricular requirements and remain in good academic standing
- Participate in the training program-sponsored activities listed above, present poster at Biophysics Symposium every year and give a talk at least once at the Biophysics Club or the Biophysics Symposium during their tenure at Northwestern
- Present oral research updates (twice a year) at Biophysics Trainee Meetings
- Provide yearly written research reports documenting progress

Please visit the [Molecular Biophysics Training Program website](http://www.biophysics.northwestern.edu/) for more information.