

Release date: November 9, 2021

Call for applications: Molecular Mechanisms of Disease Predoctoral Training Program

Scope and Purpose

- Stipend and fringe for one year
- Travel funds for one conference
- Training in leadership, teaching, and entrepreneurship

The goal of this NIH-funded program is to develop outstanding new scientists who work in collaborative multi-disciplinary teams to research disease mechanisms using quantitative approaches that ultimately yield tangible strategies for prevention and therapy. Successful applicants will be highly qualified, motivated students with a strong interest in studying underlying molecular causes of human disease. The program will provide a framework for students to assemble a broad knowledge base, actively seek research collaborations, produce an outstanding record of original published research, and develop presentation, proposal writing, and leadership skills. Successful completion of the program will position trainees for future excellence as independent researchers focused on mechanisms of disease progression.

Eligibility

- PhD student in their 2nd or 3rd year of study in Fall 2021 within a participating laboratory (for a list of preceptors visit <https://mmod.unl.edu/>)
- Citizen, non-citizen national, or permanent resident (in accordance with NIH guidelines)

Criteria for selection

- Excellent academic record
- Research record and evidence of first year progress
- Collaborative (co-mentored) proposal in an area of molecular disease research

Application materials

(Submit as a single pdf document to MMoDprogram@unl.edu by midnight, **December 1, 2021**)

- Statement of applicant's career objectives and training goals, and name at least one conference at which the applicant will likely present their research (one page limit).
- Proposal (11 pt Arial, three pages single spaced, not including references). Must include the following sections: Significance, Relevance to Molecular Mechanisms of Disease, Hypothesis, Approach, and Impact.
- Applicant biographical sketch including undergraduate and graduate academic record, courses taken, abstracts and presentations, manuscripts published or accepted (NIH-style, 5 page limit, see example).
- Mentoring plan. A training plan, developed in consultation with the primary advisor, needs to be provided which addresses progress toward degree, timelines and future courses, graduate transcript, teaching, writing/submitting manuscripts and external grant applications, presentation opportunities, research meetings with advisors (primary and co-advisor), and any other career development opportunities (one page limit).
- Letters of support from the primary mentor and co-mentor describing their role in the project and commitment to the student's career development and mentoring plan.
- Biographical sketch for each mentor (NIH-style, 5 page limit)