Program Description

The program builds on a strong foundation of core basic science knowledge and develC m bwn on Te proge

Neurosciences Doctoral Program   , Physiology Graduate Program   , Biomedical Engineering   Program or Biophysics Graduate Program in Imaging   .

Admission Requirements

21285 Independent Study. 0.5- 1 credit.
Self-directed study course for students enrolled in the Basic & Translational Science (BTS) PhD Concentration. Involves completion of advisor   -guided project. Advisors must be identified by student and app   roved by the Basic & Translational Science director. Course may be completed for .5   -1 credits each semester. Course serves to complement and expand the current curriculum offered through the BTS PhD graduate concentration.

21301 Basic and Translational Science Seminar. 0.5 credits per seminar,   4 credits total . The Basic and Translational Science Seminar is designed to help students develop skills to communicate translational scientific research across disciplines. It provides opportunities for students to network with experienced investigators and a forum to share and discuss research ideas. While attending this course, students will present their own research and provide feedback on the presentations of their peers. Clinicians and researchers from broad disciplines are encouraged to attend and provide feedback as well. Students present a small subset of their research that they are an expert in, such as the unique design of a study, an experimental approach, a solution to a barrier in research, or a novel finding. Presentations are designed to be interactive, with minimal slides and engagement from the audience. All students are required to present at least one seminar related to their own research.

Notes

Program Components
- Apply after completion of first y   ear PhD graduate   courses
- Once accepted into the program, students are part of the PhD program in their selected Basic Science Department and part of the concentration in Basic and Translational Science   Program.
- Complete Individual Development Plan based on Translational Research Competencies that you would like to   develop
- Based on Individual Development Plan, identify a clinical/translational research mentor
- Work alongside BTS leadership, mentors, and fellow classmates to identify 12 credits of relevant work to develop Translational Research Competencies. These can include:

  - o Relevant Coursework
  - o Clinical Shadowing   Experiences
  - o Participation in National or Local Committees
  - o Advocacy for Scientific   Policy
  - o Projects that Complement and Enhance the Translational Relevance of Dissertation Work
- Include one translationally relevant research aim in your dissertation   proposal
- Develop mentor/mentee relationships with both basic and clinical healthcare professionals