# CROSS-DISCIPLINARY PROGRAM IN GRADUATE BIOMEDICAL SCIENCES, PHD

***The Cross-Disciplinary Program in Graduate Biomedical Science (XDBio)*** is a graduate program at the Johns Hopkins University School of Medicine aimed at innovating graduate education in the biomedical sciences and facilitating interdisciplinary research training that bridges basic science and medicine. Students train in labs at Johns Hopkins University and the Howard Hughes Medical Institute's Janelia Research Campus.

The Mission of ***XDBio*** is to foster the development of the next generation of scientists who want cross-disciplinary training in biomedicine. The program aims to catalyze and support implementation of the creative ideas of its students, and to accelerate their paths to independent research as they embark on making important discoveries that benefit the human condition.

***XDBio*** students will experience a flexible educational structure with a personalized curriculum guided by each student's individual research interests, prior course work, and future goals. ***XDBio*** students will have access to the rich offering of courses from across the University, and benefit from a mentoring structure that guides independent, interdisciplinary discovery. Students will find themselves embedded in the rigorous, collaborative environment that characterizes Johns Hopkins Medicine and will engage faculty and the broader Hopkins community regularly through research presentations, journal clubs, retreats, and one-on-one and small group interactions.

Johns Hopkins has always been a leader in training the scientists who change the world.  With the increasing need for broad sets of approaches to address important biomedical questions, Johns Hopkins is committed to modernizing graduate training in biomedical research and producing exceptionally well-prepared biomedical scientists.

## Curriculum

The program has no fixed curriculum. Based on each student's background, coursework, experience and research interests, an individualized program of study will be tailored to each student, maximizing the impact of coursework on the student's chosen thesis area. The student, in consultation with the program director, will identify courses offered across the university which will support, complement, and enrich their research.

### Rotations

XDBio students may rotate and choose to train in labs at Johns Hopkins University or the Howard Hughes Medical Institute's Janelia Research Campus. There is no required number of rotations, and students will work with the program director and the anchor mentor to identify their thesis lab.

### Co-mentorship

A core aim of the XDBio program is to facilitate interdisciplinary training as part of each student's thesis work. Co-mentors will be chosen by the student in consultation with the anchor mentor and the program director.