

NON-DEGREE TRAINING

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The postdoctoral fellowship program provides concentrated training with individual faculty from the Department of Biochemistry and Molecular Biology. BMB offers Postdoctoral opportunities in research areas including cellular and molecular biology, biochemistry, molecular genetics, structural biology, enzymology, molecular biophysics, molecular endocrinology, chemical biology, epigenetics, post-translational modifications, and inflammation and stress response biology.

Furthermore, BMB hosts a Postdoctoral Training Program in Cancer Research in collaboration with members of the Sidney Kimmel Comprehensive Cancer Center. This program provides training in basic biochemical, biophysical, and molecular biological approaches that can be applied to critical problems in cancer biology. In addition to carrying out a traditional laboratory-based project, trainees will receive training and participate in activities that provide an introduction to current topics in the clinical aspects of the cancer problem and their relationships to public health. This is a two-year training program intended for individuals in the first two years of their post-graduate careers. Qualified applicants will select a laboratory in which to carry out their research project from among the preceptors of the training program. Trainees in this program will have the opportunity to audit courses specifically related to current trends in cancer research including “Fundamentals of Cancer-Cause to Cure,” a course offered by the Sidney Kimmel Comprehensive Cancer Center.

In addition to their laboratory research and didactic training opportunities, trainees can also participate in the following learning activities:

Cancer Biology Seminar Series: seminars covering topics in cancer research will be presented by invited researchers throughout the academic year as part of the weekly BMB seminar series.

BMB Journal Club: this journal club meets weekly throughout the academic year to discuss basic research papers relevant to topics in cancer research.

Oncology Grand Rounds: trainees have the opportunity to attend four Oncology Grand Rounds each year in the Sidney Kimmel Comprehensive Cancer Center. These consist of case presentations followed by discussion of relevant research or clinical issues.

Cancer Center Fellow Research Day: trainees can attend this one-day meeting, which is sponsored by the Sidney Kimmel Comprehensive Cancer Center. This event provides an opportunity for trainees to present a poster about their research project.