This Master's Program (CBMS-MS) at the University of Maryland, Baltimore emphasizes medically-relevant scientific research and education, utilizing state-of-the-art resources. The program is designed as a 2 year curriculum for full-time students, but may be completed over 5 years for part-time, working students. Students will become fluent in the study and implementation of biomedical research and will be well-prepared as skilled researchers for careers at academic research centers, government, or industry, including pharmaceutical and biotech firms.

This Program combines traditional areas of biomedical study, including molecular and cell biology, neuroscience, pharmacology, physiology, cancer biology and genomics into a unique interdisciplinary graduate training program. Specifically designed to develop scientists for the post-genomic era, CBMS-MS students will gain knowledge, research skills, and familiarity with state-of-the-art biomedical tools and methodologies to solve important and timely questions in biomedical science.

Graduates from the program have gone on to ...

- Enter PhD, MD, MD/PhD, and DO Programs
- Become Research Assistants or Project Managers at the CDC in Atlanta, UMB, ECBC, Perkin-Elmer, Emmes Corp, JHU, NCI, and other biotech companies.
Students may opt for a thesis or non-thesis MS in one of the following tracks:

**Research Track** - provides graduate training for entry to PhD programs, Medical, Dental or other professional degree programs or for positions as laboratory managers or skilled technicians. Students electing the thesis MS will perform MS thesis research under the direct guidance of members of the UMB graduate faculty encompassing a wide range of research areas.

We have recently established a paid mentored research opportunity “Edgewood Chemical Biological Center-UMB Internship Program” (ECBC). Participation in this program accrues graduate credit and may form the basis of an MS thesis under the co-mentorship of a UMB faculty advisor and an ECBC researcher. Current research areas in this program include genetic barcoding, microbial evolution, role of non-coding RNAs, engineering thermo-stable antibodies and development of disposable biosensors.

**Translational Research Track** - designed to train students for Translational Research. Graduates will be prepared to fill the increasing demand for skilled translational researchers. Areas of concentration include: Stem Cell Research, Translational Cancer Research, and Pharmacogenomics. This track is an exceptional opportunity for traditional graduate students as well as current industry employees and professional degree holders (MD, RN, PharmD, DDS) looking to advance their careers in the field of translational research.

For additional information:

"http://lifesciences.umaryland.edu/CMBS/"

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