

MOLECULAR TARGETS AND DRUG DISCOVERY TECHNOLOGIES CONCENTRATION AND FELLOWSHIP

The Johns Hopkins University MS in Biotechnology

The Johns Hopkins University and the Center for Cancer Research, National Cancer Institute (CCR/NCI) have developed an innovative graduate program that prepares the next generation of scientists in drug discovery technologies. This new concentration in Molecular Targets and Drug Discovery Technologies combined with the CCR/NCI fellowship fully integrates the didactic training and hands-on laboratory experience required for graduates to contribute to the advancement of knowledge and research in the field of Drug Discovery.



Fellows earn an MS in Biotechnology with a concentration in Molecular Targets and Drug Discovery Technologies, participate in important cancer research, work in CCR/NCI laboratories, and receive paid tuition for up to two years and an annual stipend. Fellows receive the stipend only if they are accepted into the Master of Science in Biotechnology and the NCI Molecular Target and Drug Discovery Fellowship Program.

DEGREE AND FELLOWSHIP REQUIREMENTS AND PREREQUISITES

FELLOWSHIP

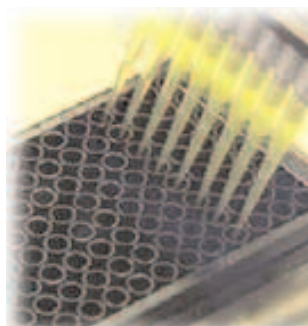
- Immediate Post-Baccalaureates (Starting immediately after completion of undergraduate degree)
- Must be a U.S. citizen or permanent resident
- One course in Probability and Statistics or Biostatistics

DEGREE

- An undergraduate degree in the natural sciences or in engineering with at least a 3.0 on a 4.0 scale in the latter half of undergraduate studies
- Two semesters of Organic Chemistry with Labs

10-GRADUATE COURSE CURRICULUM FOR MS DEGREE IN BIOTECHNOLOGY WITH A CONCENTRATION IN MOLECULAR TARGETS AND DRUG DISCOVERY TECHNOLOGIES

Two-Year Fellowship (stipend and tuition) working in NCI Laboratories



JHU Core Courses:

- Biochemistry
- Molecular Biology
- Advanced Cellular Biology I
- Advanced Cellular Biology II

Concentration Courses:

- Molecular Targets and Cancer
- Bioassay Development
- Chemical Libraries and Diversity
- High Throughput Screening and Automation Laboratory

Electives (Two):

- Molecular Basis of Pharmacology
- Cancer Biology
- Clinical and Molecular Diagnostics
- Regulatory Processes
- Tissue Culture Techniques in Cell Biology Lab
- Theory and Application of Immunoassays
- Recombinant Protein Expression, Production and Analysis Lab

JOHNS HOPKINS
UNIVERSITY

Zanvyl Krieger School of Arts and Sciences
Advanced Academic Programs

www.biotechnology.jhu.edu • 1-800-847-3330
Applications are currently being accepted.

For more information contact:
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