

Career Opportunities for MCB Students

School of Molecular and Cellular Biology

mcb.illinois.edu/undergrad/

University of Illinois, Urbana-Champaign



(217) 333-6774 | advising@mcb.illinois.edu | mcb.illinois.edu/undergrad/advising

Revised 2013

MCB provides students with a multitude of career options related to molecular genetics, cell biology, developmental biology, physiology, and biochemistry. Our curriculum is proven to successfully prepare students for biomedical careers, health professions, biotechnology careers, as well as academic research. MCB students have excellent opportunities to build competencies in critical thinking, communication, and leadership through course work, research, and study abroad. These skills allow students to continue in diverse directions and pursue successful careers in many sectors of society. A sampling of careers students trained in MCB may consider include:

HEALTH RELATED CAREERS

- **MEDICINE, DENTISTRY, OPTOMETRY AND PHARMACY** and related health careers
 - Physician Assistant
 - Pathologist
 - Physician Research Scientist (M.D./Ph.D.)
 - Health Administration and Management
 - Clinical Ethicist
- **ALLIED HEALTH FIELDS**
 - Genetic Counseling
 - Physical Therapy
 - Cytotechnologist
 - Pathologist Assistant
 - Anesthesiologist Assistant
 - Public Health: Behavioral Science/Health Education, Biostatistics, Environmental Health, Epidemiology

VETERINARY MEDICINE: Private practice, Ph.D. vet bioscience, vet medicine specialties (e.g. dentistry, oncology, behavior, etc.)

INDUSTRY: BIOTECHNOLOGY, PHARMACEUTICAL, AGRICULTURAL, ENVIRONMENTAL: Product design and development, diagnostics, management consulting, quality control, sales, public relations, customer support, regulatory compliance

GOVERNMENT AGENCIES AND DEPARTMENTS

- National Institutes of Health (NIH)
- Environmental Protection Agency (EPA)
- U.S. Department of Agriculture (USDA)
- Federal Bureau of Investigation (FBI)
- National Security Agency (NSA) and Department of Homeland Security (DHS)
- Centers for Disease Control (CDC)
- Department of Energy (DOE)
- National Aeronautics and Space Administration (NASA)
- Department of Defense (DOD)

NONPROFIT ORGANIZATIONS: Global health care reform, medical centers and research institutes, health education councils, community health networks, global biotechnology development organizations

FORENSIC SCIENCE: Local, state and federal agencies (e.g. pathology, odontontology, toxicology)

ACADEMICS/EDUCATION: K-12 education, lecturer, professor, university administration, research faculty

BIOINFORMATICS: Analysis, management and use of information in the biological sciences, predictive modeling

SCIENCE AND RESEARCH POLICY: Regulatory analysis, policy advising, international relations

LAW: Patent law, intellectual property, ethics

SCIENCE WRITING, EDITING AND PUBLISHING: Magazines, journals, professional societies, nonprofit organizations, university and corporate communications

ARTS AND HUMANITIES IN HEALTH: Art therapy, medical history, medical illustration

(217) 333-6774 | advising@mcb.illinois.edu

mcb.illinois.edu/undergrad/