

MASTER OF SCIENCE IN BIOMEDICAL SCIENCES

Kansas City University / COLLEGE OF BIOSCIENCES



- Led by a faculty of actively publishing research scientists.
- Opportunities to conduct research at both KCU and partner institutions.
- Rooted in the nation's 6th largest medical school, providing interprofessional education and interaction with students from 37 states, 188 colleges and universities and 12 countries.
- Committed to a *mission of improving the well-being of the communities we serve.*



WHAT SETS KCU APART

Two unique tracks tailored to your needs:

THE 1-YEAR CLASSROOM-INTENSIVE TRACK

Designed for individuals interested in directly pursuing doctoral programs in health care fields, such as medicine, dentistry, pharmacy or other allied health-training programs, the 1-year track includes intensive coursework in anatomy, biochemistry, cell biology, epidemiology, genetics, immunology, molecular biology, physiology, and research design and methodology.

THE 2-YEAR RESEARCH TRACK

Designed for individuals interested in careers in research, enrolling in PhD programs in the biomedical sciences or pursuing admission in health care professional programs—such as doctoral programs in medicine—the research track includes additional emphasis on advanced courses allowing students the opportunity to work side-by-side with faculty researchers.

STUDENT SERVICES

- Academic and professional support through faculty advisors, learning specialists and career counselors.
- A focus on overall student wellness provides access to an on-campus student gym, full-time campus psychologists and 24/7 counseling resources.

ADMISSIONS AT-A-GLANCE

- Complete undergraduate degree
- Submit an application to the Biomedical Sciences Program
- Submit all official college transcripts
- Submit graduate admissions test results (*optional*)
- Submit two letters of recommendation

CLASS OF 2022 APPLICANT STATS

- Number of Applications / 1,100
- Average Cumulative GPA / 3.2

Visit kansascity.edu/admissions for full requirements



90%

OF KCU BIOMEDICAL SCIENCES GRADS
STAY IN THE HEALTH SCIENCES

2 TRACKS

TO PREPARE YOU FOR YOUR FUTURE CAREER
IN SCIENTIFIC RESEARCH OR HEALTH CARE

85%

OF KCU BIOMEDICAL SCIENCES GRADS
ENROLL IN MEDICAL SCHOOL



FACULTY RESEARCH ADVANCES

Collaborative research is an area of growth for KCU and one from which our biomedical sciences students actively benefit. Five of KCU's leading research scientists and their colleagues in the Kansas City Consortium on Musculoskeletal Diseases (KCMD) have made significant strides with their recent work, such as advances in:

BIOMARKER DETECTION / Abdulbaki Agbas, PhD, associate professor of Basic Sciences, researches the development of biomarkers for the detection of ALS and other neurodegenerative diseases, such as Alzheimer's disease and Parkinson's disease. His collaborative research on Parkinson's with KCMD partner KUMC (The University of Kansas Medical Center) has brought forth compelling data that will be part of a proposed clinical trial grant.

GENE THERAPY / Robert White, PhD, dean of the KCU College of Biosciences and professor of Biochemistry, identified a "cousin" protein to the type found missing in Duchenne Muscular Dystrophy (DMD) patients. Working with KCMD institutions University of Missouri – Kansas City (UMKC) and The University of Kansas Medical Center (KUMC), Dr. White developed and performed mouse model gene therapy with positive results that may lead to preventing not only skeletal muscle disease, but also cardiac muscle disease.

NEURODEGENERATION / Asma Zaidi, PhD, professor of Biochemistry, focuses on neurodegeneration in Alzheimer's disease and in aging populations. Her research efforts are also complemented by KCMD collaborative partner KUMC.

BIOLOGICAL PATHWAYS / Eugene Konorev, MD, PhD, associate professor of Pharmacology and Microbiology, is studying the role of biological pathways in the development of microvascular defects in heart disease. To further his research, KCU and Dr. Konorev have been awarded a grant totaling more than \$460,000 from the National Institutes of Health (NIH).

ABOUT KCU

Kansas City University was founded in 1916 as one of the nation's five original osteopathic medical schools. Today, KCU is a fully accredited, private, not-for-profit health sciences university strategically located on two campus locations – Kansas City and Joplin, Missouri – to address the growing health needs of both urban and rural populations.

KCU's Colleges of Osteopathic Medicine, Biosciences and Dental Medicine offer graduate degree programs in osteopathic medicine, clinical psychology, biomedical sciences, dental medicine as well as multiple dual-degree opportunities.

To learn more about KCU, our colleges and academic programs, visit kansascity.edu.



ESTIMATED COSTS

- Tuition (2022-2023): \$35,420
- Books and Instruments: \$1,342
- Student Activity Fee: \$70
- Technology Fee: \$150

STUDENT RESEARCH OPPORTUNITIES

KCU partners with leading research organizations in Kansas City, increasing your chances of conducting original research that interests you. Our partnerships with Children's Mercy Hospital, MRIGlobal and Frontiers: University of Kansas Clinical and Translational Science Institute open the door to cutting edge research opportunities.

Currently, KCU student-assisted projects include:

- Infectious Disease
- Cancer
- Zika Virus
- Bio-terrorism
- Type 1 Diabetes at MRIGlobal
- Behavior and Diabetes clinical research at Children's Mercy Hospital

KCU always strives to add more partnerships to expand student research opportunities.

KANSAS CITY CAMPUS

Schedule your campus visit at kansascity.edu/visit.

1750 Independence Avenue
Kansas City, Missouri 64106
1-877-425-0247

For virtual tours, go to kansascity.edu/VTKC.



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