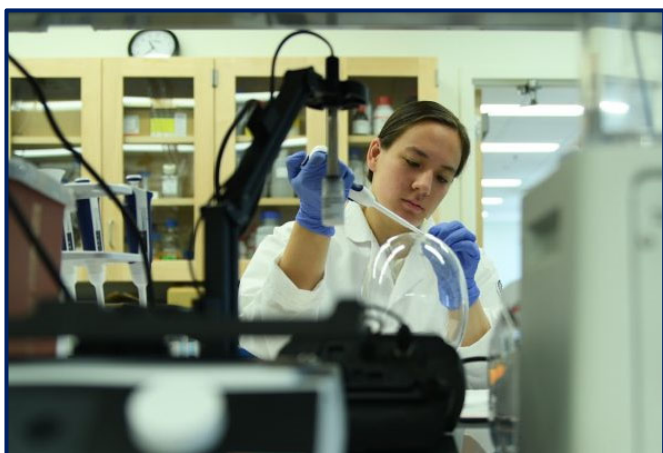


UConn | THE GRADUATE SCHOOL

UConn Health Biomedical Science Program

Our Program

The Biomedical Science PhD program on the UConn Health campus in Farmington, Connecticut, is committed to educating students pursuing a variety of careers in the biomedical science workforce. Our vibrant and interactive scientific community fosters a supportive environment where students can explore, learn, and grow. Under the umbrella of the Biomedical Science PhD program, seven areas of concentration have a strong tradition of collaboration in cross-disciplinary research.



Areas of Concentration

- Cell Biology
- Genetics and Developmental Biology
- Immunology
- Molecular Biology and Biochemistry
- Neuroscience
- Skeletal Biology and Regeneration
- Systems Biology

Financial Support

Students receive financial support throughout their graduate studies, provided they remain a full-time student in good academic standing. This support includes a waiver of tuition, subsidized health insurance, and a 12-month stipend as a Graduate Research Assistant.

Student Life

UConn Health is located in Greater Hartford, a richly diverse area that includes art and historic museums; theatre, dance, and concert venues; and professional sports teams; as well as dining options from around the world. Major area festivals include celebrations of our African American, Puerto Rican, West Indian, and Native American communities. Outstanding local recreation areas offer camping, running, biking, hiking, river tubing, skiing, golf, and fresh and saltwater beaches. We are also home to the nationally ranked UConn basketball, soccer, and field hockey teams.



Area of Concentration Descriptions

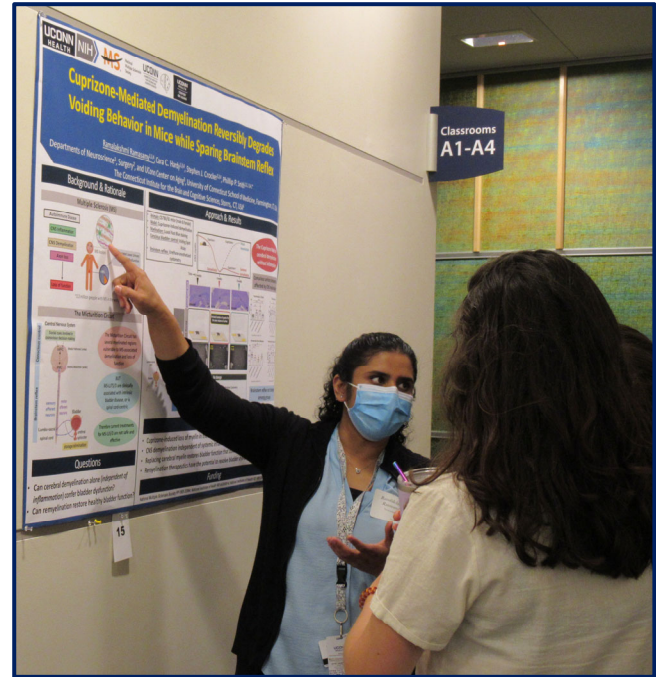
Cell Biology studies the molecular and cellular basis of biology and diseases ranging from cardiovascular biology to cancer.

Genetics and Developmental Biology emphasizes cellular and molecular aspects of genetics and developmental biology through a variety of model organisms, including stem cells.

Immunology studies topics in basic immunology such as autoimmunity and cancer as well as the development of tools for vaccine and immunotherapy advancement.

Molecular Biology and Biochemistry focuses on proteins and pathways in the basic processes underlying human disease through a variety of approaches, including structural biology or computational modeling.

Neuroscience seeks to understand the function of the nervous system in normal and diseased states through molecular, cellular, and systems approaches.



Skeletal Biology and Regeneration focuses on the basic biology of skeletal, craniofacial, and oral tissues in development, disease, and aging as well as the regeneration of connective tissues.

Systems Biology approaches molecular and cell biology using quantitative techniques such as computational biology, optical imaging, and biophysics, and encompasses the Center for Quantitative Medicine (CQM).

The Jackson Laboratory for Genomic Medicine

Located on the UConn Health campus, JAX-GM (www.jax.org) provides the opportunity to collaborate or conduct dissertation research with affiliated JAX-GM faculty focusing on the microbiome, cancer, genetics, immunology, and bioinformatics.



More Information

Visit our Biomedical Science PhD program website:



UConn Health, The Graduate School
Biomedical Science Ph.D. Program
263 Farmington Ave., MC 3906
Farmington, CT 06030-3906

How to Apply

Applicants are evaluated on their academic record, prior research experience, personal statement, and letters of recommendation. Application, fee, and supporting materials must be submitted by **Dec. 1** for admission consideration for the Fall semester of the following year. *Note:* The GRE General Test and Subject Tests are neither required nor considered for admission.

The online application and detailed information describing admissions requirements can be found here:

<https://health.uconn.edu/graduate-school/admissions/apply/>

Questions? Contact us: BiomedSciAdmissions@uchc.edu