



Ithaca is GORGES

The Community

No matter the season, explore the beauty of the outdoors in Ithaca. Spend a sunny day touring one of the many waterfalls and gorges or relax on the Finger Lakes' largest lake, Cayuga Lake. You'll find over 28,000 acres of public New York State forest ripe for skiing, hiking, mountain biking, and exploring.

ITHACA RANKED 25TH BEST CITY
FOR NEW GRADUATES

KITCHEN THEATRE

THE COMMONS

WINE TASTINGS

KAYAKING ON THE LAKE

One of the most picturesque communities in upstate New York, Ithaca is home to Cornell University and Ithaca College and ranked as one of Livability.com's 50 Best Cities for Entrepreneurs.



Graduate Testimonials

Ezen Choo, PhD 2017



I was impressed with the flexibility of the program and the freedom they gave me to explore research opportunities and collaborations across the Ithaca Campus including the medical school in NYC.

Jocelyn Wang, PhD 2018



The BBS program really welcomed me with open arms and provided enormous support throughout my graduate school years.

Wisler Charles, PhD 2017



I knew I had made the right decision in coming to Cornell to pursue my PhD. Returning back to school as a U.S. Military veteran, I can understand how it feels to be underrepresented and in some occasions out of place...That being said, my experience here at Cornell has been exceptional.



Cornell University
College of Veterinary Medicine

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Cornell University

Biomedical & Biological Sciences

PhD Program



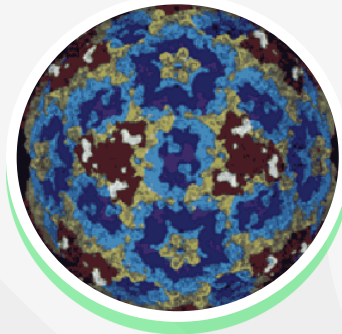
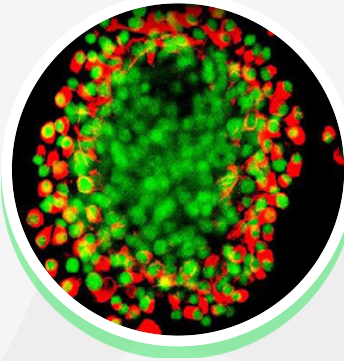
Core Facilities

- Bioinformatics Facility, Computational Biology Service Unit (CBSU)
- Bio-IT Facility
- Core Laboratory Center – Biotechnology Resource Center (BRC)
- Cornell Center for Materials Research (CCMR)
- Cornell High Energy Synchrotron Source (CHESS)
- Cornell Stem Cell and Transgenic Core Laboratory
- Cornell Nanoscale Science and Technology Facility (CNF)
- Evolutionary Genetics Core Facility
- Fluorescence Activated Cell Sorting (FACS) Core Facility
- Genomic Diversity Facility
- Genomics Facility
- Immunopathology/Immunohistochemistry
- Imaging Facility - microscopy and computed tomography (CT) imaging
- Irradiator
- Linear Accelerator
- Magnetic Resonance Imaging (MRI)
- Metabolomics Core Facility
- Nuclear Magnetic Resonance (NMR)
- Proteomics and Mass Spectroscopy
- Sanger sequencing and Genotyping services
- Statistical Consulting Unit

RESEARCH SPECIALTIES

Biochemistry & Cell Biology

This research ranges from molecular interactions, protein folding and membrane biophysics to development of organ systems and whole animals.



Infection & Immunity

A detailed understanding of how infectious agents invade and propagate within host organisms and how in turn hosts defend themselves against

such infection is crucial for development of new vaccines and treatments for infectious disease.



Reproductive Biology

Research on reproductive biology encompasses a host of different species (from mice and humans to cattle and horses), examining both male and female

reproductive function and fertility at the systems, endocrine, gonadal, genetic, and molecular levels.



Cancer Biology

Research involves all aspects of cancer biology and numerous scientific approaches, including nanotechnology, stem cell research and genomics.

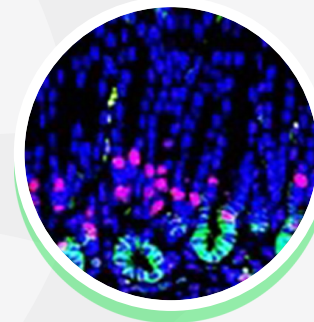
Medical Genetics & Genomics

Researchers use genetic discoveries for early disease intervention, stem cell treatment, selective breeding, application to human disease, and to understand fundamental biological mechanisms.



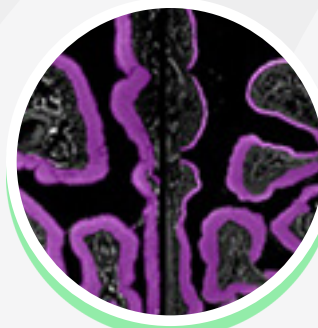
Stem Cell Biology

Stem cell research has a promise of developing new treatments of injuries and diseases, including neurodegenerative and cardiovascular diseases and cancer.



Epidemiology

Epidemiology is the study of health and disease in a population and the underlying factors that lead to these conditions, with a goal of preventing the future occurrence and spread of disease.



Neuroscience

Scientists use molecular, cellular, and organismal approaches to study the formation, degeneration, and regeneration of the nervous system using a variety of model organisms.



Wildlife Conservation

The survival of threatened and endangered species requires innovative and integrative ideas and approaches to wildlife conservation.

Apply

The Cornell University Biomedical and Biological Sciences (BBS) Graduate Program is an interdisciplinary umbrella program administered within the College of Veterinary Medicine offering high-level basic and biomedical research training, a flexible curriculum, and clinical or translational research opportunities.

The BBS Program offers a PhD in Biomedical Sciences.

Applicants will be able to choose and rank up to 3 of the following concentrations:

- Immunology and Infectious Disease
- Molecular and Cellular Medicine
- Population Medicine and Epidemiology
- Translational Medicine
- Zoology and Wildlife Conservation

The BBS Program accepts applications for PhD study only. Admissions decisions are made on an annual basis; the application deadline is December 1 for admission in the following Fall semester. www.vet.cornell.edu/bbs