

# PH.D. IN CELL AND MOLECULAR BIOLOGY

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The graduate program in Cell and Molecular Biology is an interdisciplinary degree-granting program that involves over 100 faculty members from 17 departments and 6 colleges who share common interests in cell and molecular biology. The PhD program includes core coursework in molecular genetics and cell biology. Elective courses cover specialized areas, including grant writing, ethical conduct of research and statistics. Two alternating graduate seminar series allow students to present their research and to attend presentations by CSU faculty and nationally prominent scientists. Core courses typically are completed during the first year and most students advance to candidacy by the end of their 5th semester. The PhD degree can generally be completed within five years. There is an option to include a Cancer Biology Specialization (<https://catalog.colostate.edu/general-catalog/university-wide-programs/interdisciplinary-studies/cell-molecular-biology/phd-cell-molecular-cancer-biology-specialization/>).

Most students admitted to the PhD program rotate through three laboratories in their first year to identify a PhD advisor. Current focus areas of research include, but are not limited to, Cancer Biology; Gene Expression; Genome Structure, Evolution & Repair; Infectious Disease; Metabolism & Physiology; Microbiomes; Plant Molecular Biology; Prions & Neurobiology; Stem Cells & Development; Synthetic Biology and STEM Communication. Students are encouraged to complete coursework in computational/quantitative approaches, and an emphasis is placed on effective communication with various audiences. The CMB program supports a student association and aims to create an inclusive and welcoming culture for all.

Students interested in this graduate program should refer to the Cell and Molecular Biology website for further details.