

# COLLEGE OF LIFE SCIENCES (JCLS)

Dean: Gerald B. Grunwald, PhD | 215-503-4400  
College Website (<http://Jefferson.edu/JCLS/>)

## About Us

The mission of the Jefferson College of Life Sciences (JCLS) is to “Train Tomorrow’s Scientific Leaders Today” by providing the highest quality undergraduate, graduate and postdoctoral education and research training in the life sciences, in order to prepare our students and fellows to make significant contributions to the progress of life science through careers including academia, industry, and government. To achieve this goal, our academic programs span both the Jefferson-East Falls Campus, home of our Department of Biological and Chemical Sciences, and the Jefferson-Center City Campus, home of our Jefferson Graduate School of Biomedical Sciences. JCLS and its faculty offering courses and programs across a wide field of basic and translational sciences, leading to the BS degree, PhD degree, the MS degree and graduate certificate programs. In addition, JCLS offers a Post baccalaureate Pre-Professional Program for candidates interested in completing their prerequisite course work for medical and professional schools. The College also coordinates postdoctoral training programs across the campus. Additionally, JCLS, in conjunction with the Sidney Kimmel Medical College, offers a combined MD/PhD program.

Our education and training programs provide a solid foundation for our graduates, who have gone forward to continue with additional graduate and professional education and training programs or directly on to successful careers including positions at colleges and universities, pharmaceutical and biotechnology companies, healthcare settings, government agencies, and many other professional venues.

## Research

Biomedical research and training at Jefferson is anchored by a large and diverse portfolio of active research programs with extensive outside grant support. That foundation, combined with Jefferson’s clinical research and patient-care programs, provides opportunities for basic and translational research in a challenging, exciting and satisfying graduate training environment. Research Areas include:

- Biochemistry, Structural, & Molecular Biology
- Cell & Developmental Biology
- Genetics, Genomics & Cancer Biology
- Immunology & Microbial Pathogenesis
- Integrative Physiology
- Neuroscience

## Office of Postdoctoral Affairs

The Office of Postdoctoral Affairs works with the academic departments to determine human resource needs and training opportunities for postdoctoral fellows. Jefferson postdocs create a thriving community, where postdoctoral training encompasses not only research, but also many aspects of professional development and personal growth. These include, but are not limited to:

- Working with the human resources department to implement salary and benefits guidelines

- Creating a database of postdoctoral fellows
- Coordinating career and professional development workshops
- Being a central resource for postdoctoral fellows as well as departmental administrators and PIs

## Academic Programs

### Undergraduate

- Biochemistry (BS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/biochemistry-bs/>)
- Biology (BS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/biology-bs/>)
- Chemistry (BS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/chemistry-bs/>)
- Pre-Medical Studies (BS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/pre-medical-studies-bs/>)

### Graduate

- Biochemistry, Structural, & Molecular Biology (PhD) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/biochemistry-structural--molecular-biology-phd/>)
- Biomedical Sciences (MS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/biomedical-sciences-ms/>)
- Cell & Developmental Biology (MS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/cell-developmental-biology-ms/>)
- Cell Biology & Regenerative Medicine (PhD) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/cell-biology-regenerative-medicine-phd/>)
- Clinical Research (MS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/clinical-research-ms/>)
- Forensic Biology (MS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/forensic-biology-ms/>)
- Forensic Toxicology (MS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/forensic-toxicology-ms/>)
- Genetics, Genomics & Cancer Biology (PhD) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/genetics-genomics--cancer-biology-phd/>)
- Human Genetics & Genetic Counseling (MS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/human-genetics-genetic-counseling-ms/>)
- Immunology & Microbial Pathogenesis (PhD) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/immunology-microbial-pathogenesis-phd/>)
- Integrative Physiology (PhD) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/integrative-physiology-phd/>)
- Microbiology & Immunology (MS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/microbiology-immunology-ms/>)
- Neuroscience (PhD) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/neuroscience-phd/>)
- Pharmacology (MS) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/pharmacology-ms/>)

### Certificate

- Clinical Research & Trials: Implications (Graduate Certificate) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/clinical-research-trials-implications-graduate-certificate/>)

sciences-jcls/clinical-research-trials-implementations-graduate-certificate/)

- Clinical Research: Operations (Graduate Certificate) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/clinical-research-operations-graduate-certificate/>)
- Human Clinical Investigation: Theory (Graduate Certificate) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/human-clinical-investigation-theory-graduate-certificate/>)
- Infectious Disease Control (Graduate Certificate) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/infectious-disease-control-graduate-certificate/>)
- Patient-Centered Research (Graduate Certificate) (<https://catalog.jefferson.edu/colleges-schools/college-life-sciences-jcls/patient-centered-research-graduate-certificate/>)

**University Accreditations**  
**(<https://www.jefferson.edu/about/consumer-information-disclosures.html>)**