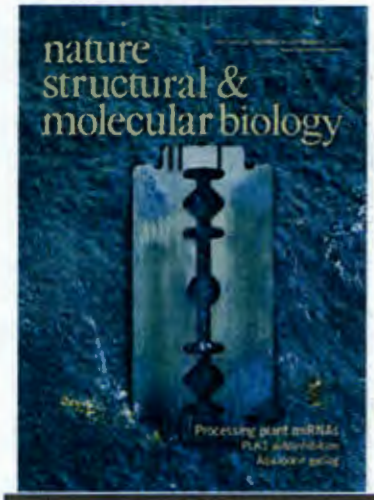
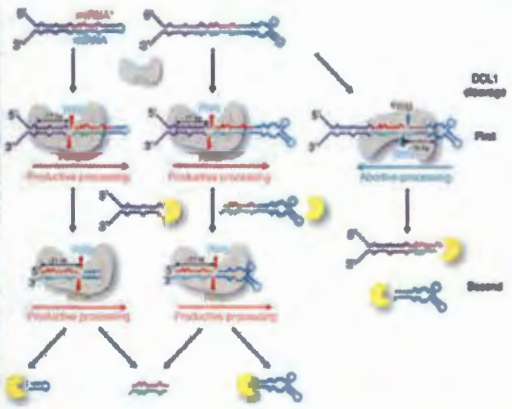
biochemistry.tamu.edu





Degree Information

The Department of Biochemistry and Biophysics is a key component of molecular life sciences research at Texas A&M University, one of the largest research universities in the country. Our programs have grown in concert with the spectacular expansion of biological inquiry into the chemical basis of life.

Admission

Our graduate students come from many different undergraduate majors, including biology, molecular biology, biochemistry, and chemistry. All qualified applicants will be considered for admissions into our program. Completion of coursework in the following subjects is recommended: Calculus, Organic Chemistry, Biochemistry, Molecular Genetics, and Physical Chemistry.

To apply, visit http://biochemistry.tamu.edu.

1. Click on Graduate Programs
2. Go to *Apply Texas* to complete the University application
3. Complete application and send:
   - Official transcripts
   - 3 letters of recommendation
   - Official GRE scores
   - Official TOEFL scores
   - (for international applicants)

Graduate Training

Students in Biochemistry spend their first year in courses designed to provide a solid background in fundamental principles of biochemistry and biophysics. Coursework includes structural biochemistry, thermodynamics, enzyme kinetics, biochemical genetics, and molecular biophysics. In addition, students participate in courses, seminars and other activities to develop strong critical-thinking and communication skills.

AGRICULTURE & LIFE SCIENCES
TEXAS A&M UNIVERSITY

Graduate Studies in

Biochemistry

PhD

Department of Biochemistry and Biophysics

During the first year, students have the opportunity to rotate through three research laboratories in Biochemistry. Students explore the diverse research areas in the department and choose a laboratory for their thesis work during their first year. The second year of training includes a teaching assistantship and development of a thesis research project. Subsequent years are spent in mentored research activities. Formal guidance is provided by a principal advisor as well as a thesis committee of faculty members who evaluate the candidate's progress toward their Ph.D. degree.

Training Environment

The department has a rich training environment with more than 40 faculty, 100 graduate students and numerous postdocs, research staff, and undergraduates. Students have access to laboratory equipment throughout the department and the university, including many shared facilities and instruments to facilitate research endeavors. Computer support is extensive, with departmental and university IT staff as well as extensive access to internet resources and library materials. In addition, Texas A&M University sponsors a wide variety of workshops and programs to enrich the education and lives of graduate students on campus.

Faculty Research Areas

Chemical Biology, Structural Biology, Biophysics, Cell and Developmental Biology, RNA Biology, Gene Structure and Regulation, Enzymology, Plant Molecular Biology, Genomics, Microbiology, Biotechnology, Proteomics, and Bioinformatics.

Financial Support

At Texas A&M University, our graduate students are a vital component of research, teaching, and publication. We offer financial support in the form of a stipend for living expenses, paid tuition and fees, and health benefits. The financial support provided enables students to engage full time in research and scholarly activities.

Graduate Students

The graduate class entering in 2015 (shown above) is a diverse group of young scientists.

Extensive Facilities

The Department maintains modern, state-of-the-art research facilities. The Biochemistry Building, a 166,000 square foot structure with over 90,000 square feet of laboratory and office space, was opened in 1989. The first floor is the location of the new NMR center, as well as departmental offices, lecture halls, a microcomputer center, the Biochemistry stockroom. The second floor houses several research laboratories, as well as modern teaching labs and prep rooms. The third and fourth floors contain 48 research laboratory modules occupied by different research groups, as well as specialty rooms for animal and plant tissue culture, biohazard isolation, the Center for Protein Chemistry, and conference rooms. Large equipment (centrifuges, environmental chambers, autoclaves, imagers and freezers) is clustered in common equipment areas. We are proud of our long-standing tradition that all large equipment in the Department is available for the common use of our entire research community.

Contact Information

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