



UFHSC
PHYSIOLOGY

Molecular and Translational Physiology Graduate Program

17 FACULTY

23 NIH R01 GRANTS AWARDED IN FY 2020

4 NIH R21 GRANTS AWARDED IN FY 2020

4 FACULTY IN THE TOP 9% OF FUNDED INVESTIGATORS IN THE US

51 ARTICLES PUBLISHED IN HIGH IMPACT JOURNALS

18 CURRENT GRADUATE STUDENTS (UP FROM 3 IN 2018)

#1 FOR RESEARCH DOLLARS PER FACULTY AMONG 186 NORTH AMERICAN DEPARTMENTS OF PHYSIOLOGY

#4 FOR RESEARCH GRANT DOLLARS

#8 FOR TOTAL DOLLARS

\$13.7 MILLION IN SPONSORED PROJECT ACTIVITY

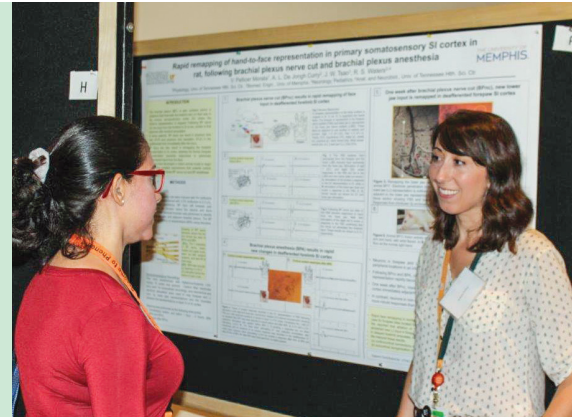
The Department of Physiology traces its origins back to UTHSC's founding in 1911. Throughout our history, faculty members have produced **scientific breakthroughs** in mechanosensitive ion channels, phospholipid growth factors, neonatal cerebrovascular injury, and many other fields.

Our faculty, postdocs, graduate students, and support staff are committed to **research, education, and service**. We are currently ranked #8 out of 186 North American departments of physiology, and #1 for NIH funding among UTHSC College of Medicine departments. In 2019, our faculty received **nearly \$14 million in total awards** from 18 NIH R01 and 3 NIH R21 grants.

Molecular and Translational Physiology students are integral to research. Students can choose a lab for their doctoral thesis work after completing three or more six-week rotations. Physiology faculty avidly support graduate students to present at national and international conferences and to publish in top-ranked peer-reviewed journals. Physiology students also hone their presentation skills at departmental seminars and in a student-organized Journal Club.

Students' **academic achievements** are recognized via the J. Paul Quigley Memorial Scholarship, the Dorothy K. and Daniel L. Gerwin Graduate Scholarship, and a Graduate Student of the Year Award, which come with cash prizes and stipend supplements.

We invite you to learn more about our department and join us as we write the next exciting chapter in our history.



OUR MISSION:

Leveraging wide-ranging expertise to develop new collaborative research programs and promote outstanding team-based service.

OUR MOTTO:

The Department of Physiology: Our History Begins Today.





PHYSIOLOGY JOB OUTLOOK

Median Pay	\$93,270 per year = \$45.32 per hour
Typical Entry-Level Education	Doctoral or professional degree
Number of Jobs	34,600
Job Outlook	4% (as fast as average)
Employment Change	1,400
Largest Employers	Pharmaceutical and medicine manufacturing (10%) Colleges, universities, and professional schools (8%)
Important Qualities	Analytical, communication, critical thinking, interpersonal, math, perseverance, problem-solving, and time-management skills

Source: bls.gov/ooh/life-physical-and-social-science/print/biochemists-and-biophysicists.htm

For more information:

DEPARTMENT OF PHYSIOLOGY

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