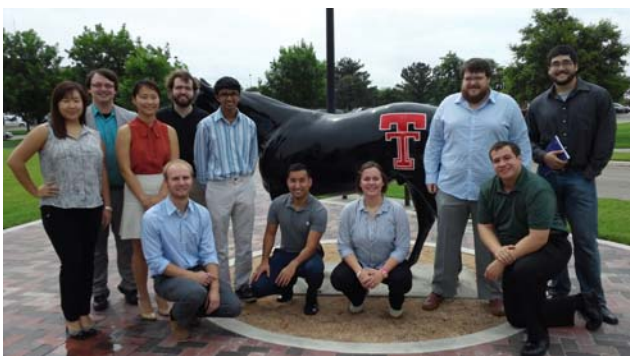


ABRI Mission

The mission of the ABRI program is to foster interest in the Graduate Program in Pharmaceutical Sciences at the Texas Tech University Health Sciences Center School of Pharmacy and to attract gifted students to graduate studies in biomedical and pharmaceutical sciences.

graduateprogram/default.aspx



Previous ABRI Participants

Some Areas of Research

- ◆ Cancer Biology
- ◆ Cell Signaling
- ◆ Drug Formulation
- ◆ Microbiology
- ◆ Pharmacokinetics
- ◆ Hypertension
- ◆ Cardiovascular Biology
- ◆ Drug Delivery
- ◆ Immunology
- ◆ Neurobiology
- ◆ Pharmacology

To learn about the research interests at the School of Pharmacy, please visit our website at:

<http://www.ttuhscc.edu/sop/pharmsci/Faculty.aspx>
<http://www.ttuhscc.edu/sop/biomedicalsciences/faculty.aspx>

Please Note: A few investigators may not participate in the ABRI program.

Application Deadline

A hard copy of the completed application and required materials should be mailed to the address listed in the application form.

All materials are due by:

March 15th

Students interested in the program can visit the web page

<http://www.ttuhscc.edu/sop/research/abri.aspx>

Or visit the School of Pharmacy at
1300 S Coulter, Suite 217.

Contact Information

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E-mail: Teresa.Carlisle@ttuhscc.edu

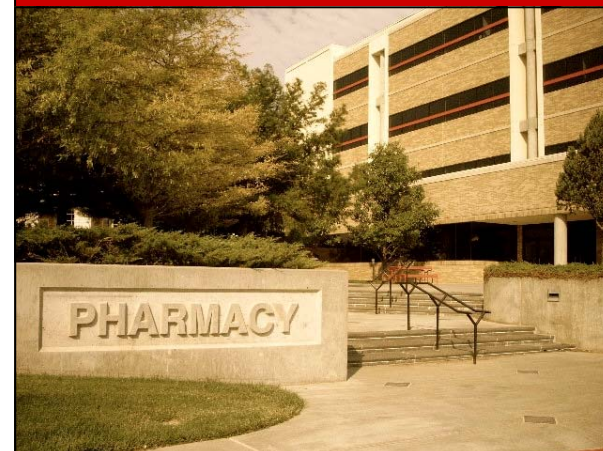
<http://www.ttuhscc.edu/sop/>



**TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER.**
School of Pharmacy

ABRI

Amarillo Biomedical Research Internships

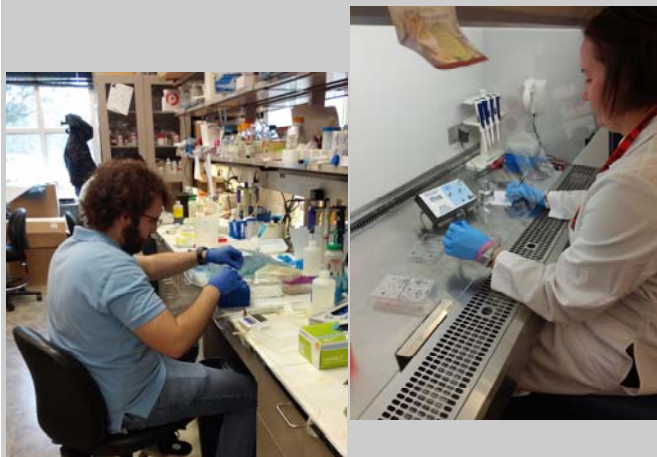


**TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER.**
School of Pharmacy

Graduate Program in
Pharmaceutical Sciences

Program Specifics

- ◆ 10-week summer internship beginning the end of May and running through the beginning of August.
- ◆ Student interns will be placed under the direction of a graduate faculty mentor in a research laboratory setting for one-on-one, hands-on experience in investigator initiated research.
- ◆ Interns will conduct serious research and develop applied research skills, which will better equip them to successfully pursue graduate studies in biomedical fields.
- ◆ Each selected intern will be awarded a stipend of \$3,800 (made in two payments). The stipend is not based on hourly work but the completion of the entire 10-week internship.
- ◆ While housed in the School of Pharmacy, the focus of the internship is not on preparing pharmacists. Rather, this program centers on biomedical research and prepares students for future work in areas like novel drug development, identification of better medical treatments or development of more effective methods of medication delivery.
- ◆ Placements are primarily in Amarillo; however, openings may be available at the Abilene, Lubbock or Dallas campuses—this varies from year to year.



TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER. School of Pharmacy

Intern Requirements

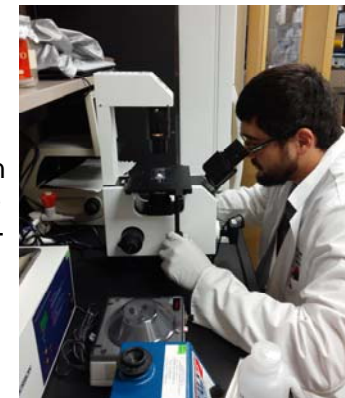
- ◆ Complete 10-week program of laboratory research.
- ◆ Complete all safety training, as required by the TTUHSC Safety Office.
- ◆ Develop and conduct an investigator-initiated research project, in consultation with the faculty mentor.
- ◆ Participate in other research activities at the School (i.e., attend research seminars, group meetings, Research Days, etc.).
- ◆ Complete a research project within the timeframe of the internship.
- ◆ Present work/findings at the end of internship.

Eligibility Criteria

- ◆ Completion and submission of an ABRI application by deadline.
- ◆ Completion of first year toward a bachelor's degree OR completion of first year toward a professional degree (*Preference will be given to third or fourth-year students*).
- ◆ Interest in obtaining hands-on, intensive research experience in a laboratory setting.
- ◆ Interest in a research career.
- ◆ *Preference will be given to those who have completed at least some coursework in chemistry and/or biology.*

Selected Research Projects

- ◆ Novel MDM2 Inhibitor in Liver Cancer
- ◆ Design Synthesis and Evaluation of Flupirtine Derivatives for the Treatment of Batten Disease
- ◆ Triacsin C and iNOS Upregulation in Hypoxic Astrocytes
- ◆ Novel Raman Spectral Analysis to Determine Accuracy of Extemporaneously Compounded Pharmaceutical Formulations
- ◆ Pimozide Suppresses the Growth of Metalloblastoma and Glioblastoma
- ◆ Developing of detection methodology for monitoring of DETA-NONOate dissociation rate in *in vitro* assays
- ◆ Interactions between Polymeric Particles in Respiratory Fluids
- ◆ Validation of an In Vitro Model of the Blood-Brain Barrier Using Patient-derived Stem Cells



Quotes from Former Interns

"The exposure to a research environment and all the up's and down's associated with it."

"Actually getting your hands dirty. Applying what you learn through books to real life was very meaningful."

"It was a great opportunity to be exposed to researching and how to write a scientific paper. Also, I experienced scientific presentation by myself so I learned about preparing it and getting through it. Also, I met different research faculty members that expanded my network."