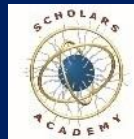




**19th Annual
STEM Graduate School and Internship Fair
October 19, 2018 8:00 am – 1:00 pm
Welcome Center, Milam-Travis, & Room A300**



8:00 - 8:50 am	Registration/Check-in/Breakfast Mixer (Welcome Center Foyer); Exhibitor Setup (Room A300)
8:50 - 9:00 am	GSIF Welcome – Dr. Mary Jo Parker (Milam-Travis; Overflow in Tour Room)
9:00 - 9:30 am	Introduction of GSIF Exhibitors (Milam-Travis; Overflow in Tour Room)
9:30 - 10:05 am	Student Poster Session (Welcome Center Foyer)
10:05 - 11:35 am	Graduate School and Internship (Room A300)
11:35 - Noon	GSIF 2018 Ends/Exhibitor Takedown (Room A300)
12:00 - 1:00 pm	Luncheon for All Exhibitors, Student Poster Presenters, & Faculty Research Advisors (Welcome Center Foyer)

Student Poster Session (Welcome Center Foyer 9:30 - 10:05 am)

Poster No.	Student Researchers	Research Title	Research Mentors	Project Location
1	Idris Akinlusi Ahmad Chaban Remsha Iqbal Mohammad Mohammad Ali	The Field of Optometry as Observed Through Shadowing	Dr. Hamida B. Qavi	Eye Excellence
2	Adaugo Akujuobi	Effect of Conductivity on Escherichia coli and Total Coliform Bacteria After Hurricane Harvey	Dr. Poonam Gulati Salhotra	University of Houston-Downtown
3	Joshua Alegria	Anticancer Efficacy of Components from Turmeric Root and Black Pepper	Dr. Hamida Qavi	University of Houston-Downtown
4	Mays Al-Maliki Laura Conde-Puello Charlie Lazo Eudes Mvoula Frank Omoregbee Meheret Tadesse	A new quantification method for calcium content in water by wet chemistry assay and data screening	Dr. Mian Jiang	University of Houston-Downtown
5	Samuel Bernal	Synthesis and Characterization of Phthalocyanines	Dr. Eszter Trufan	University of Houston-Downtown
6	Beatrice Cerda	Classification of Phishing Features using Deep Artificial Neural Networks	Dr. Shengli Yuan	University of Houston-Downtown
7	Vi Ly	Using a Video Classification Model of 3D Convolutional Neural Network and Long Short-Term Memory to Predict Elderly Fall	Dr. Hongyu Miao	UTHealth School of Public Health
8	Takese McKenzie	Antioxidant Nanoparticle Attenuates ROS Damaging Effects in the Auditory System	Dr. Fred Pereira	Baylor College of Medicine
9	Ahmed Mohammed Ali	Theoretical Studies of NU8354, an Isoindolinone Inhibitor of the Murine Double Minute (MDM2) – P53 Protein – Protein Interaction	Dr. Maria Benavides	University of Houston-Downtown
10	Paul Nixon	Numerical Solutions of Multi-Phase Flows in Nuclear Reactor Pipes	Dr. Katarina Jegdic	University of Houston-Downtown
11	Shawn Olichwier	Deep Learning for Computer Vision-Based Mobile Robot Navigation	Dr. Yuchou Chang	University of Houston-Downtown
12	Nguyen Phan	Creating and Growing a Community Based Chatbot Web Service	Dr. Shengli Yuan	University of Houston-Downtown
13	Sarah Ramlal	Synthesis and Characterization of Phthalocyanine Monomers with Aromatic Linkers	Dr. Eszter Trufan	University of Houston-Downtown
14	Pilar Rodriguez	Shadowing a Physical Therapist	Dr. Hannah Davis	Results Physiotherapy Willowbrook

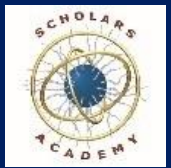
Poster No.	Student Researchers	Research Title	Research Mentors	Project Location
15	Emily Steinman	Practical Nutrition Education for Pediatric Patients and Survivors Through The Lens of Healthy Cooking Resource	Dr. Joya Chandra	MD Anderson Cancer Center
16	Aaron Torres	Computational Studies of Copper (II) Complex with Antiproliferative Properties Against Breast & Colorectal Cancer Cells	Dr. Maria Benavides	University of Houston-Downtown
17	Sean Glen Wood Sergio Diaz	Rebuilding the UHD Sustainability Garden Bigger and Better after Hurricane Harvey	Dr. Vassilios Tzouanas Dr. Lisa Morano	University of Houston-Downtown
18	Estela Arroyo	LiDAR and ArcGIS to detect poorly exposed geomorphic features of the Ragged Mountain Fault in Katalla, Alaska	Dr. Sarah N. Heinlein	University of Houston-Downtown
19	Mahendra Basyal	A Semi-Supervised Data Augmentation Approach for Accelerating EEG Data Acquisition	Dr. Yuchou Chang	University of Houston-Downtown
20	Guillermo Garza	Automated Multi-Media Filtration Station	Dr. Weining Feng	University of Houston-Downtown
21	Jose Gonzalez	Fruit Fly Tracking System	Dr. Weining Feng Dr. Yuan Yuan Kang	University of Houston-Downtown
22	Andrea Guzman	Screening Synthetic Compounds for Their Cytotoxic Effects on Breast Cancer Cell Lines	Dr. Rachna Sadana	University of Houston-Downtown
23	Cuong Pham	Non-Stationary Signal Analysis of Electroencephalogram Data Using Transfer AdaBoost	Dr. Yuchou Chang	University of Houston-Downtown

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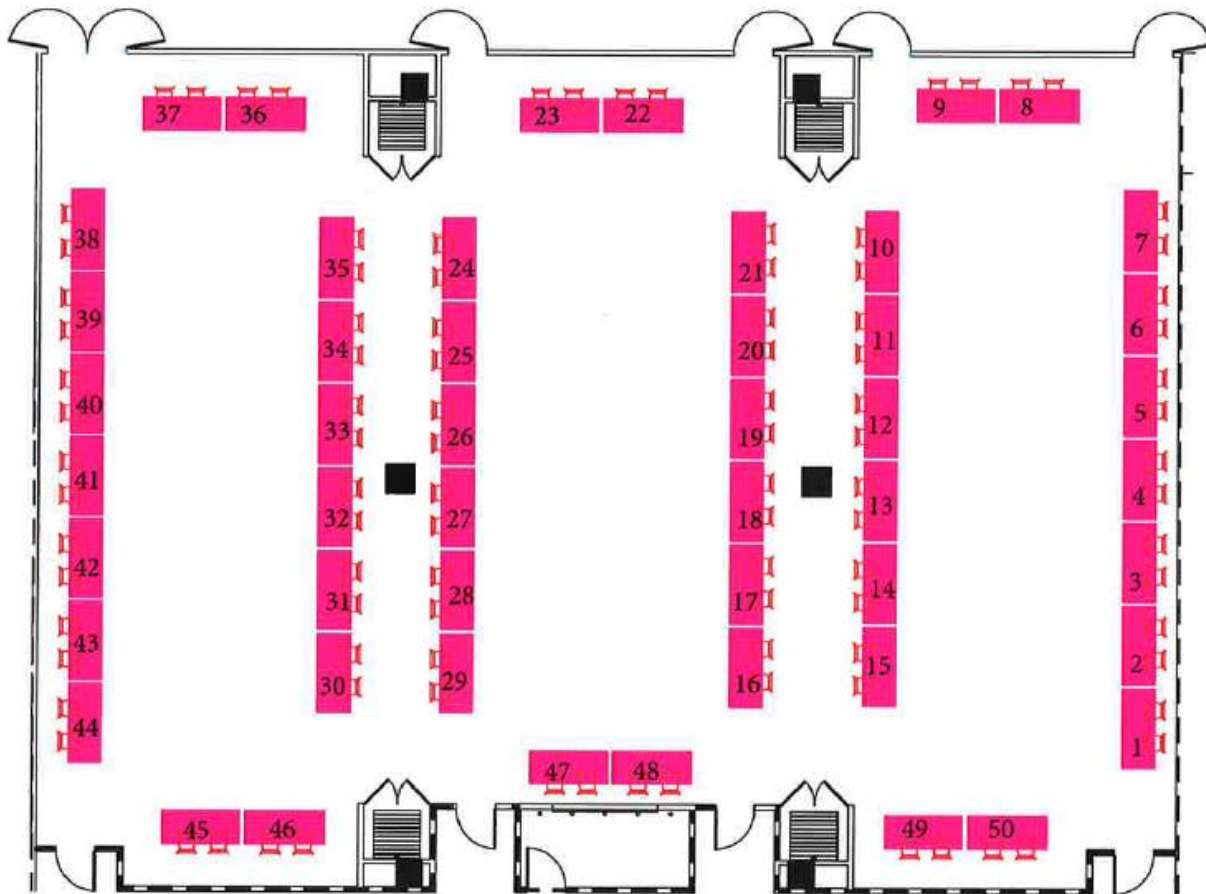
**19th Annual
STEM Graduate School and Internship Fair
October 19, 2018 8:00 am – 1:00 pm
Welcome Center, Milam-Travis, & Room A300**



Welcome to the Fall 2018 STEM Graduate School and Internship Fair!

The UHD Scholars Academy STEM Graduate School and Internship Fair (GSIF) is an excellent opportunity for students within the College of Sciences and Technology to connect with prospective graduate schools and research/internship programs. Students are strongly encouraged to speak with as many different programs as possible to explore all available opportunities. Good luck and have fun!

Graduate School & Internship Fair Exhibitors



Baylor College of Medicine

- 1. Medical Genetics and Genomics/Molecular and Human Genetics
- 2. Genetic Counseling Program
- 3. Graduate School of Biomedical Sciences

Florida International University

- 29. Chemistry & Biochemistry

Lamar University

- 42. Graduate Programs

Midwestern State University

- 24. Dr. Billie Doris McAda Graduate School

Rice University

- 14. Engineering Professional Master's Programs
- 15. Professional Science Master's

Sam Houston State University

- 43. Office of Graduate Admissions

Southern Methodist University

- 10. Guildhall (Graduate Video Game Education Program)
- 11. Lyle School of Engineering

Stephen F. Austin State University

- 20. Mathematics and Statistics

Texas A&M University

- 4. College of Veterinary Medicine & Biomedical Sciences
- 5. Department of Visualization
- 6. Nuclear Engineering

Texas Chiropractic College

- 21. Admissions

Sponsored by: The Brown Foundation, Inc.; U.S. Nuclear Regulatory Commission (NRC-HQ-12-G-38-0006), Texas Workforce Commission Wagner-Peyser (2818WPB001), Scholars Academy, and UHD

UHD Scholars Academy, One Main Street, 725-North; Houston, TX 77002-1001
Phone: 713-222-5344; scholars@uhd.edu; www.uhd.edu/scholars

The University of Texas at Austin

7. Graduate Programs

The University of Texas MD Anderson Cancer Center

12. School of Health Professions

**The University of Texas MD Anderson Cancer Center
UTHealth**

13. Graduate School of Biomedical Sciences

The University of Texas Medical Branch

16. Graduate School of Biomedical Sciences

17. School of Medicine

18. School of Nursing

**The University of Texas Medical Branch at Galveston
(UTMB)**

19. School of Health Professions

The University of Texas School of Dentistry at Houston

30. Dentistry and Summer Health Professions Enrichment
Program (SHPEP)

University of Houston

33. College of Pharmacy

34. College of Technology

35. Department of Biology and Biochemistry

University of Houston Clear Lake

31. Office of Admissions

University of Houston-Downtown

38. CHSS - Graduate Programs

39. Graduate Admissions

40. MS in Data Analytics

41. MS - Professional Certificate for Dual-Credit Secondary
Mathematics Teaching (Noyce Esprit Program)

University of Houston Victoria - Katy

32. Enrollment Management

University of North Texas

46. Colleges of Engineering and Science

University of Texas Health Science Center at Houston

26. Cizik School of Nursing

27. School of Biomedical Informatics

28. School of Public Health - Admissions

University of Texas Health Science Center at San Antonio

25. Graduate School of Biomedical Sciences

University of the Incarnate Word

45. Feik School of Pharmacy

Covestro, LLC

50. PCT

Detection Technologies

49. Engineering Services

Rockwell Automation

48. Automation Systems Engineering

S&B Engineers and Constructors, LTD

47. Instrument and Electrical Department / Control and Safety
System Group