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

<table>
<thead>
<tr>
<th>Poster No.</th>
<th>Student Researchers</th>
<th>Research Title</th>
<th>Research Mentors</th>
<th>Project Location</th>
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<tr>
<td>1</td>
<td>Idris Akinlusi, Ahmad Chaban, Remsha Iqbal, Mohammad Mohammad Ali</td>
<td>The Field of Optometry as Observed Through Shadowing</td>
<td>Dr. Hamida B. Qavi</td>
<td>Eye Excellence</td>
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<tr>
<td>2</td>
<td>Adaugo Akujuobi</td>
<td>Effect of Conductivity on Escherichia coli and Total Coliform Bacteria After Hurricane Harvey</td>
<td>Dr. Poonam Gulati Salhotra</td>
<td>University of Houston-Downtown</td>
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<tr>
<td>3</td>
<td>Joshua Alegria</td>
<td>Anticancer Efficacy of Components from Turmeric Root and Black Pepper</td>
<td>Dr. Hamida Qavi</td>
<td>University of Houston-Downtown</td>
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<td>4</td>
<td>Mays Al-Maliki, Laura Conde-Puello, Charlie Laza, Eudes Mvoula, Frank Omoregbee, Meheret Tadesse</td>
<td>A new quantification method for calcium content in water by wet chemistry assay and data screening</td>
<td>Dr. Mian Jiang</td>
<td>University of Houston-Downtown</td>
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<td>5</td>
<td>Samuel Bernal</td>
<td>Synthesis and Characterization of Phthalocyanines</td>
<td>Dr. Eszter Trufan</td>
<td>University of Houston-Downtown</td>
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<td>6</td>
<td>Beatrice Cerda</td>
<td>Classification of Phishing Features using Deep Artificial Neural Networks</td>
<td>Dr. Shengli Yuan</td>
<td>University of Houston-Downtown</td>
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<td>7</td>
<td>Vi Ly</td>
<td>Using a Video Classification Model of 3D Convolutional Neural Network and Long Short-Term Memory to Predict Elderly Fall</td>
<td>Dr. Hongyu Miao</td>
<td>UTHealth School of Public Health</td>
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<td>8</td>
<td>Takese McKenzie</td>
<td>Antioxidant Nanoparticle Attenuates ROS Damaging Effects in the Auditory System</td>
<td>Dr. Fred Pereira</td>
<td>Baylor College of Medicine</td>
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<td>9</td>
<td>Ahmed Mohammed Ali</td>
<td>Theoretical Studies of NU8354, an Isoindolinone Inhibitor of the Murine Double Minute (MDM2) – P53 Protein – Protein Interaction</td>
<td>Dr. Maria Benavides</td>
<td>University of Houston-Downtown</td>
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<td>10</td>
<td>Paul Nixon</td>
<td>Numerical Solutions of Multi-Phase Flows in Nuclear Reactor Pipes</td>
<td>Dr. Katarina Jegdic</td>
<td>University of Houston-Downtown</td>
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<td>11</td>
<td>Shawn Olichwier</td>
<td>Deep Learning for Computer Vision-Based Mobile Robot Navigation</td>
<td>Dr. Yuchou Chang</td>
<td>University of Houston-Downtown</td>
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<td>12</td>
<td>Nguyen Phan</td>
<td>Creating and Growing a Community Based Chatbot Web Service</td>
<td>Dr. Shengli Yuan</td>
<td>University of Houston-Downtown</td>
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<td>13</td>
<td>Sarah Ramlal</td>
<td>Synthesis and Characterization of Phthalocyanine Monomers with Aromatic Linkers</td>
<td>Dr. Eszter Trufan</td>
<td>University of Houston-Downtown</td>
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<td>14</td>
<td>Pilar Rodriguez</td>
<td>Shadowing a Physical Therapist</td>
<td>Dr. Hannah Davis</td>
<td>Results Physiotherapy Willowbrook</td>
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<td>15</td>
<td>Emily Steinman</td>
<td>Practical Nutrition Education for Pediatric Patients and Survivors Through The Lens of Healthy Cooking Resource</td>
<td>Dr. Joya Chandra</td>
<td>MD Anderson Cancer Center</td>
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<td>16</td>
<td>Aaron Torres</td>
<td>Computational Studies of Copper (II) Complex with Antiproliferative Properties Against Breast &amp; Colorectal Cancer Cells</td>
<td>Dr. María Benavides</td>
<td>University of Houston-Downtown</td>
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<td>Sean Glen Wood Sergio Diaz</td>
<td>Rebuilding the UHD Sustainability Garden Bigger and Better after Hurricane Harvey</td>
<td>Dr. Vassilios Tzouanas Dr. Lisa Morano</td>
<td>University of Houston-Downtown</td>
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<td>18</td>
<td>Estela Arroyo</td>
<td>LiDAR and ArcGIS to detect poorly exposed geomorphic features of the Ragged Mountain Fault in Katalla, Alaska</td>
<td>Dr. Sarah N. Heinlein</td>
<td>University of Houston-Downtown</td>
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<td>19</td>
<td>Mahendra Basyal</td>
<td>A Semi-Supervised Data Augmentation Approach for Accelerating EEG Data Acquisition</td>
<td>Dr. Yuchou Chang</td>
<td>University of Houston-Downtown</td>
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<td>20</td>
<td>Guillermo Garza</td>
<td>Automated Multi-Media Filtration Station</td>
<td>Dr. Weining Feng</td>
<td>University of Houston-Downtown</td>
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<td>Jose Gonzalez</td>
<td>Fruit Fly Tracking System</td>
<td>Dr. Weining Feng Dr. Yuan Yuan Kang</td>
<td>University of Houston-Downtown</td>
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<td>22</td>
<td>Andrea Guzman</td>
<td>Screening Synthetic Compounds for Their Cytotoxic Effects on Breast Cancer Cell Lines</td>
<td>Dr. Rachna Sadana</td>
<td>University of Houston-Downtown</td>
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<td>23</td>
<td>Cuong Pham</td>
<td>Non-Stationary Signal Analysis of Electroencephalogram Data Using Transfer AdaBoost</td>
<td>Dr. Yuchou Chang</td>
<td>University of Houston-Downtown</td>
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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
UHealth
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. Felix 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