### Student Poster Session (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>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Michael Bustamante</td>
<td>Theoretical Studies of Gallium(III) Complexes Containing Nitrogen and Oxygen Donor Atoms</td>
<td>Dr. Maria Benavides</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>2</td>
<td>Esteban Duran</td>
<td>pyGWML: Gravitational Wave Noise Classification with Machine Learning</td>
<td>Dr. Ting Zhang</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>3</td>
<td>Kaleb Duhon</td>
<td>Investigating the role of LSD2/KDM1B in the oncogenic program of MLL-fusion acute myeloid leukemia</td>
<td>Dr. Margarida Albuquerque Almeida Santos</td>
<td>The University of Texas MD Anderson Cancer Center</td>
</tr>
<tr>
<td>4</td>
<td>Reavelyn Pray</td>
<td>Elucidating Novel Biotin Biosynthetic Pathway in Ancient Bacteria Desulfovibrion vulgaris</td>
<td>Dr. Gareth Butland, Dr. Valentine Trotter</td>
<td>Lawrence Berkeley National Laboratory</td>
</tr>
<tr>
<td>5</td>
<td>Charles Livermore Bobby Flores</td>
<td>Use of Numeric Methods in the Analysis of the Nonlinear Wave Systems</td>
<td>Dr. Katarina Jegdic</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>6</td>
<td>Nia Griffith</td>
<td>A Novel Approach to Patient Education: Cellular Effects of Chemotherapeutic Drugs Visualized by Time-lapse Fluorescent Microscopy</td>
<td>Dr. Richard R. Behringer</td>
<td>The University of Texas MD Anderson Cancer Center</td>
</tr>
<tr>
<td>7</td>
<td>Charles Punnathara</td>
<td>Supercapacitors Based on Transition-metal Cyanoferrates for Renewable Energy Devices</td>
<td>Dr. Mian Jiang</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>8</td>
<td>Mina Hemmati</td>
<td>Mitral valve co-culture model in 3-Dimensional hydrogels</td>
<td>Dr. Jane Grande-Allen</td>
<td>Rice University</td>
</tr>
<tr>
<td>9</td>
<td>Charles Punnathara</td>
<td>Study of Nickel and Cobalt Cyanoferrates Based Supercapacitor Property</td>
<td>Dr. Mian Jiang</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>10</td>
<td>Angelinda Maldonado Ashvanthi Raveendran</td>
<td>The Field of Optometry as Observed Through Shadowing</td>
<td>Dr. Hamida B. Qavi</td>
<td>Eye Excellence</td>
</tr>
<tr>
<td>11</td>
<td>Anna Wheless</td>
<td>Investigation of the Role of ATO Genes in Candida albicans</td>
<td>Dr. Michael Lorenz</td>
<td>UT McGovern Medical School</td>
</tr>
<tr>
<td>12</td>
<td>Takese Mckenzie</td>
<td>Preparation of Cobalt Hydroxide Film Modified Electrode for Battery and Sensor Applications</td>
<td>Dr. Mian Jiang</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>13</td>
<td>Paul Nixon</td>
<td>Using the Smart Glove with Visual Feedback for Stroke Rehabilitation</td>
<td>Dr. Ting Zhang</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>14</td>
<td>Amee Stevenson</td>
<td>Promoting Computer Science to Young Minority Students</td>
<td>Dr. Dvijesh Shastri</td>
<td>University of Houston-Downtown</td>
</tr>
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<tr>
<td>15</td>
<td>Yarmilla Reyes</td>
<td>Sustainable Impact through a Deep Water Culture Aquaponic System from Experiential Learning in the Center of Urban Agriculture and Sustainability (EL CUAS)</td>
<td>Dr. Lisa Morano Dr. Vassilios Tzouanas</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>16</td>
<td>Eva Ruiz</td>
<td>Networks of Co-Expressed Protein Coding Genes and Long Non-Coding RNAs in Multiple Cancers</td>
<td>Dr. Benjamin Soibam</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>17</td>
<td>Shaynah St. Vallier</td>
<td>Analysis of Microbial Biofilms on Plastic Samples from Galveston Bay</td>
<td>Dr. Poonam Gulati Salhotra</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>18</td>
<td>Aaron Torres</td>
<td>Theoretical Studies of Radiofluorinated Gallium Complexes with Potential Use as PET imaging agents</td>
<td>Dr. Maria Benavides</td>
<td>University of Houston-Downtown</td>
</tr>
<tr>
<td>19</td>
<td>Boranai Tychhon</td>
<td>Functional Dissection of Cancer Genetic Mutations via Variomics Profiling</td>
<td>Dr. Nidhi Sahni</td>
<td>University of Texas MD Anderson Cancer center</td>
</tr>
<tr>
<td>20</td>
<td>Denisse Velazquez</td>
<td>Novel Determination of Species Involved in Solar Energy Storage and Maintenance</td>
<td>Dr. Mian Jiang</td>
<td>University of Houston-Downtown</td>
</tr>
</tbody>
</table>
Welcome to the Fall 2017 STEM Graduate School and Internship Fair!

The UHD Scholars Academy STEM Graduate School and Internship/Career 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!

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 8:50 am</td>
<td>Registration/Check-in (Mural Area outside A300); Exhibitor Setup (Room A300)</td>
</tr>
<tr>
<td>8:00 - 8:50 am</td>
<td>Breakfast Mixer (UHD Coffee House for Students; A300 for Exhibitors)</td>
</tr>
<tr>
<td>8:50 - 9:00 am</td>
<td>GSIF Welcome – Drs. Parker and Uzman (Cullen Auditorium)</td>
</tr>
<tr>
<td>9:00 - 9:30 am</td>
<td>Introduction of GSIF Exhibitors (Cullen Auditorium)</td>
</tr>
<tr>
<td>9:30 - 10:05 am</td>
<td>Student Poster Session (Mural Area outside A300)</td>
</tr>
<tr>
<td>10:05 - 11:35 am</td>
<td>Graduate School and Internship/Career Fair (Room A300)</td>
</tr>
<tr>
<td>11:35 - Noon</td>
<td>GSIF 2017 Ends/Exhibitor Teardown (Room A300)</td>
</tr>
<tr>
<td>12:00 - 1:00 pm</td>
<td>Luncheon for All Exhibitors, Student Poster Presenters, &amp; Faculty Research Mentors (Milam &amp; Travis) – If not attending lunch, GSIF exhibitors are dismissed at this time.</td>
</tr>
<tr>
<td>1:00 - 2:30 pm</td>
<td>Career Connections Job Fair (A300)</td>
</tr>
</tbody>
</table>

### Graduate School & Internship Fair Exhibitors

**Baylor College of Medicine**
- 28. Master of Science in Genetic Counseling Program
- 29. Human Genome Sequencing Center (HGSC)-Diversity Initiative
- 30. SMART Program and Graduate School of Biomedical Sciences

**iEducate**
- 21. Work-Study

**Lamar University**
- 20. Graduate Programs

**Midwestern State University**
- 8. McAda Graduate School

**Rice University**
- 1. Electrical and Computer Engineering Ph.D. Program
- 2. Professional Master's in Engineering and Science
- 3. Professional Science Master's Program

**Sam Houston State University**
- 13. SHSU Online Graduate Programs
- 14. Graduate Admissions

**Southern Methodist University**
- 51. Guildhall (Graduate Video Game Education Program)
- 52. Lyle School of Engineering

**St. Mary's University of San Antonio**
- 9. Office of Graduate Admission and School of Science, Engineering & Technology

**Stephen F. Austin State University**
- 47. Mathematics and Statistics
- 48. Graduate School

**Texas A&M International University**
- 7. Graduate School

**Texas A&M University**
- 4. Materials Science & Engineering, DSEM
- 5. College of Veterinary Medicine & Biomedical Sciences
- 6. Department of Visualization

**Texas Chiropractic College**
- 23. Doctor of Chiropractic

**Texas Tech University**
- 31. Graduated Programs
- 32. Rawls College of Business

**University of Houston**
- 25. College of Pharmacy Graduate Programs

**University of Houston-Clear Lake**
- 26. Admissions/College of Science and Engineering
- 27. Biological and Environmental Sciences- Biotechnology and Biology Programs

**University of Houston-Downtown**
- 33. English Department - Master of Science in Technical Communication
- 34. Graduate Admissions
- 35. MS in Data Analytics
- 36. MS - Professional Certificate for Dual-Credit Secondary Mathematics Teaching (Noyce Esprit Program)

**University of Houston-Victoria - Katy**
- 24. School of Arts & Sciences

**University of the Incarnate Word**
- 16. Doctor of Physical Therapy
- 17. Feik School of Pharmacy

**University of North Texas (UNT)**
- 15. College of Engineering

**The University of Texas at Austin**
- 18. Graduate School

**The University of Texas at San Antonio**
- 19. The Graduate School

**The University of Texas Medical Branch at Galveston**
- 12. School of Health Professions

**University of Texas Medical Branch**
- 10. School of Medicine
- 11. Biochemistry and Molecular Biology Graduate Program

Sponsored by: The Brown Foundation, Inc.; National Science Foundation (0934913); U.S. Department of Education (P120A130040); and UH-Downtown.

UHD Scholars Academy, One Main Street, 725 North, Houston, TX 77002-1001
Phone: 713-222-5344; scholars@uhd.edu; www.uhd.edu/scholars
University of Texas MD Anderson Cancer Center
39. School of Health Professions

MD Anderson Cancer Center UTHealth
40. Graduate School of Biomedical Sciences

University of Texas Health Science Center-Houston
41. Office of Diversity & Inclusion, Admissions and Student Affairs
42. Biostatistics and Data Science

UTHealth School of Biomedical Informatics
43. Office of Academic Affairs

UT Health School of Nursing
44. School of Nursing

UT Health School of Public Health
45. Admissions

University of Texas Health Science Center at San Antonio
46. School of Health Professions

University of St. Thomas
22. Cameron School of Business- Masters in Clinical Translation Management

Special Visiting Guest

Dr. Michael C. Lorenz
Professor
The University of Texas Health Science Center Houston
McGovern Medical School
Department of Microbiology and Molecular Genetics