Welcome to the 2011 Graduate School and Internship Fair!

The UHD Scholars Academy Graduate School and Internship Fair 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!

Schedule:

8:30 - 9:30 am  Registration and Check-in
9:30 - 10:30 am  Student Poster Session and Breakfast Mixer
10:30 - 12:00   Graduate School and Internship Fair

Represented Programs:

**Baylor College of Medicine**
- Graduate School of Biomedical Sciences
- Graduate Program in Molecular and Human Genetics
- Medical Scientist Training Program – MD/PhD
- SMART Program: Summer Undergraduate Research Training

**City of Houston – Houston Crime Lab**

**Emory University**
- Physics Graduate Program

**INROADS, Inc.**

**Johns Hopkins University**
- Bloomberg School of Public Health

**Kaplan Test Prep and Admissions**
- Graduate Programs

**Rice University**
- Department of Biochemistry & Cell Biology

**Texas A & M University – College Station**
- College of Engineering
- Department of Biochemistry and Biophysics
- Nuclear Engineering and Health Physics

**Texas A & M University – Corpus Christi**
- Coastal and Marine System Science Program

**Texas Chiropractic College**
- Admissions Office

**Texas Southern University**
- Graduate School

**Texas Tech University**
- Graduate School

**Texas Woman’s University**
- School of Management

**Universidad Autonoma de Guadalajara**
- School of Medicine

**University of Chicago**
- Graduate School

**University of Houston-Central**
- College of Engineering – Civil/Environmental Engineering
- College of Technology
- Computer Science Graduate Program

**University of Houston-Downtown**
- Masters of Arts in Teaching
- M.S. in Professional Writing & Technical Communication
- NSF Noyce Teacher Scholarship Programs

**University of North Texas**
- Toulouse Graduate School

**University of Texas at San Antonio**
- Graduate School

**University of Texas - MD Anderson Cancer Center**
- Allied Health Programs; School of Health Professions
- Radiation Therapy Program

**University of Texas Health Science Center Houston**
- Graduate School of Biomedical Sciences
- School of Biomedical Informatics
- School of Nursing
- The Houston Laboratory and Population Sciences Training Program in Gene-Environment Interaction

**University of Texas Health Science Center at San Antonio**
- Graduate School of Biomedical Sciences

**University of Texas Medical Branch**
- Biochemistry and Molecular Biology

**University of Texas School of Public Health**
- Office of Student Affairs
- School of Health Professions

There will also be a table with additional graduate and research opportunities from institutions nationwide that have provided materials for dissemination.
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The UHD Scholars Academy is pleased to feature scholarly undergraduate STEM research poster presentations. Please join us in this scholarly undertaking by visiting each poster, dialoguing with the student presenters about their project, and encouraging them through offering constructive considerations that can benefit them in their next phase of research.

Student Research Poster Session:

1 – Amir Aghajani, “Analysis and Verification of Travis Bridge”
UHD Faculty Mentor: Dr. Jorge Tito-Izquierdo
Co-Authors: Kwasi Alleyne, Trina Alaniz
Project Location: University of Houston-Downtown

2 – Amir Aghajani, “Pile Test-Skin Friction Resistance Under Direct Tension”
UHD Faculty Mentor: Dr. Jorge Tito-Izquierdo
Co-Authors: Vilkesh Patel, Jaciel Castro
Project Location: University of Houston-Downtown

3 – David Amos, “Quantum Mechanical Calculations on Novel Actinide Chelating Agents”
UHD Faculty Mentor: Dr. Maria Benavides
Project Location: University of Houston-Downtown

4 – Lilian Antunes, “A Genome-Wide Assessment of Short Insertion and Deletion Variation in African-Americans”
UHD Faculty Mentor: Dr. Eric Boerwinckle
Project Location: University of Texas Health Science Center at Houston

5 – Tonya Bauch, “Computational Chemistry Study of 2,3-HOPO Ligands Using Gaussian 9 Software”
UHD Faculty Mentor: Dr. Maria Benavides
Project Location: University of Houston-Downtown

6 – Kaleigh Caesar, Tomy Le, Denise Montes, “Technology Aided Chinese Poetry Modernization”
Faculty Mentor: Dr. Hong Lin
Project Location: University of Houston-Downtown

7 – Marilyn Davila, “Comparisons of Corticostriatal and Thalamostriatal Projections in a Mouse Model of Huntington’s Disease”
UHD Faculty Mentor: Dr. Michael Levine
Co-Author: Anna Daricusky
Project Location: University of California Los Angeles

8 – Randy Davila, “Synthesis and Characterization of Novel Catanionic Amphiphiles”
UHD Faculty Mentor: Dr. Janusz Grebowicz
Co-Authors: Miriam Amah, Aleksandra Stasiak, Anna Stefanink
Project Location: University of Houston-Downtown

UHD Faculty Mentor: Dr. Tyra Montgomery
Co-Author: Dr. Hamida Qavi
Project Location: University of Houston-Downtown

10 – Max Goedjen and Brian Holtkamp, “VizWall Remote”
Faculty Mentor: Dr. Ongard Sirisaengtaksin
Project Location: University of Houston-Downtown

UHD Faculty Mentor: Dr. Jorge Tito-Izquierdo
Co-Authors: Thomas Villanueva, Enrique Villa, Felipe Arreola
Project Location: University of Houston-Downtown

12 – Valerie Jordan, “Immunohistochemical Profiling of Creatine Kinase and Adenylate Kinase in Adult Mouse Retina: Implications in Retinal Metabolism”
Faculty Mentor: Dr. Jerry Johnson
Co-Authors: Elda Rueda and Irena Sigel
Project Location: University of Houston-Central

13 – Milena Lobaina Hernandez, “Exploring the Wall Following Behavior in Drosophila melanogaster”
Faculty Mentors: Drs. Connie Kang and Gregg Roman
Project Location: University of Houston-Central

14 – Adolfo Lara, “Exocytosis in Mast Cells, Part II”
Faculty Mentor: Dr. Ruth Heidelberger
Project Location: University of Texas – Health Science Center at Houston

Faculty Mentor: Dr. Janusz Grebowicz
Project Location: University of Houston-Central

16 – Manuel Palma, “A Program for Brainstate Analysis”
UHD Faculty Mentor: Dr. Hong Lin
Co-Author: Johnathan Kuskos
Project Location: University of Houston-Downtown

UHD Faculty Mentor: Dr. Alberto Gomez-Rivas
Co-Author: Dr. Jorge Tito-Izquierdo
Project Location: University of Houston-Downtown

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Co-Author: Dr. Jorge Tito-Izquierdo
Project Location: University of Houston-Downtown

19 – Claudia Valeria Turcios and Dayna Joella Spencer, “Synthesis of Polypyridinium-Based Chiral Polyelectrolytes”
UHD Faculty Mentor: Dr. Jose Robin
Project Location: University of Houston-Downtown

20 – Sara Wilder and Julie Nash, “Population Model of the Glassy-winged Sharpshooter in Texas Vineyards”
Faculty Mentors: Drs. J. Yoon, V. Hrynkiv, & L. Morano
Project Location: University of Houston-Downtown

21 – Antoine Williams-Baisy, “Identifying the Bounds of an Internet Resource”
Faculty Mentor: Dr. Frank Shipman
Co-Author: Faryaneh Poursardar
Project Location: Texas A&M University