



12th Annual
Graduate School and Internship Fair
October 7, 2011 9 am – 12 pm Room A300



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.



12th Annual
Graduate School and Internship Fair
October 7, 2011 9 am – 12 pm Room A300



Welcome to the 2011 Graduate School and Internship Fair!

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: Villesh 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 Boerwinkle**

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 Ceaser, Tomy Le, Denise Montes, “Technology Aided Chinese Poetry Modernization”

Faculty Mentor: **Dr. Hong Lin**

Project Location: University of Houston-Downtown

7 – Marlyn 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

9 – Reihana Elsayed, Kimberlyn Garcia, Wendy Ramirez, “Isolation, Characterization and Purification of Antiviral Agents in Regular and Single Clove Garlic”

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

11 – Mario Hernandez, Jaciel Castro, and Kwun-Man Lee, “Study of a WT Section under Eccentric Compression Load”

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 Heidelberg**

Project Location: University of Texas – Health Science Center at Houston

15 – Lisa Jane Matsell, “Thermal Expansion of Granites for Nuclear Waste Storage”

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

17 – Isis Pliego and Courtnie Malone, “Teaching Structural Analysis Using Plastic Models and MASTAN”

UHD Faculty Mentor: **Dr. Alberto Gomez-Rivas**

Co-Author: Dr. Jorge Tito-Izquierdo

Project Location: University of Houston-Downtown

18 – Isis Pliego and Courtnie Malone, “Structural Analysis of a 3D Truss Using ABS Plastic Model and Computer Models”

UHD Faculty Mentor: **Dr. Alberto Gomez-Rivas**

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. Hryniv, & 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

Sponsored by:

The Brown Foundation, Inc.; National Science Foundation (0728408, 0903948); and UH-Downtown.

One Main Street, 725-North; Houston TX 77002-1001

Phone: 713-222-5344; Fax: 713-223-5356; scholars@uhd.edu; www.uhd.edu/scholars