



**11th Annual
Graduate School and Internship Fair**
October 15, 2010 9 am – 12 pm Room A300



Welcome to the 2010 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:

A & B Environmental Laboratories Services

Baylor College of Medicine

Department of Neuroscience
Graduate School of Biomedical Sciences
Graduate Program in Molecular and Human Genetics
Human Genome Sequencing Center
SMART Program: Summer Undergraduate
Research Training

City of Houston – Houston Crime Lab

Gulf Coast Consortia

Interdisciplinary Bioscience Research and Training

Johns Hopkins University

Bloomberg School of Public Health

Kaplan Test Prep and Admissions

Graduate Programs

Rice University

Department of Biochemistry & Cell Biology
Institute of Biosciences & Bioengineering

South Texas Project Nuclear Operating Company

Stephen F. Austin State University

Biotechnology

Texas A & M University Health Science Center

College of Medicine
Department of Biochemistry and Biophysics

Texas Southern University

Graduate School

Universidad Autonoma de Guadalajara

School of Medicine

University of Houston-Central

Admissions and Recruitment, College of Pharmacy
College of Technology

Department of Computer Science
Department of Mathematics
Rice-Houston Alliances for Graduate Education and the
Professoriate (AGEP)

University of Houston-Downtown

Career Services
Masters of Arts in Teaching
M.S. in Professional Writing & Technical Communication

University of Michigan – Ann Arbor

Industrial & Operations Engineering

University of North Texas

Toulouse Graduate School

University of Tennessee – Knoxville

Graduate Programs in Quantitative Biology

University of Texas - MD Anderson Cancer Center

Allied Health Programs; School of Health Professions

University of Texas Health Science Center Houston

School of Biomedical Informatics
The Brown Foundation Institute of Molecular Medicine for
the Prevention of Human Diseases

**University of Texas Health Science Center
at San Antonio**

Graduate School of Biomedical Sciences

University of Texas Medical Branch

Biochemistry and Molecular Biology
School of Health Professions
School of Nursing

University of Texas School of Public Health

Biostatistics
Office of Student Affairs
School of Health Professions - Diagnostic Imaging
Program

There are also tables with about 50 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. Thank you.

Student Research Poster Session:

- 1 – Brandy Bell**, “Thermal Properties of Bis(glycinato)Bis(nitro)Cobalt Salt with Potassium as the Counterion”
UHD Faculty Mentor: **Dr. Janusz Grebowicz**
Project Location: University of Houston-Downtown
- 2 – Marylyn Davila**, “Role Of Muscblind On Aberrant Splicing In Myotonic Dystrophy Type 2”
Faculty Mentor: **Dr. Ralf Krahe**
Project Location: University of Texas - MD Anderson Cancer Center
- 3 – Elena Espino**, “MRI Analysis of Superficial Femoral Veins in Patients with Peripheral Arterial Disease”
Faculty Mentor: **Dr. Joel D. Morrisett**
Project Location: Baylor College of Medicine
- 4 – A’Tondra Gilstrap**, “Viability of Enteric Bacterial Pathogens in Transport media Systems”
Faculty Mentors: **Drs. Jeticia Sistrunk and Zhi-Dong Jiang**
Project Location: Center for Infectious Diseases at University of Texas School of Public Health
- 5 – Audrey Gonzalez, Gloria Abarca and Sueyen Diosdado**, “Non-metric Multidimensional Scaling Analysis for Bacterial Endophyte Communities in Texas Grapevines”
UHD Faculty Mentor: **Dr. Lisa Morano**
Project Location: University of Houston-Downtown
- 6 – Russell Kendrick**, “Stress Analysis of Bacterial Biofilms”
UHD Faculty Mentors: **Drs. Youn-Sha Chan and Poonam Gulati**
Project Location: University of Houston-Downtown
- 7 – Abir Khan**, “Sprout Tracking of Angiogenesis in the In Vitro Spheroid Assay”
Faculty Mentors: **Drs. Alex Arevalos and Amina Ann Qutub**
Project Location: Rice University
- 8 – Mitesh Koirala**, “Analyzing the Genome of a *Xylella fastidiosa* Grape Strain from Texas”
UHD Faculty Mentor: **Dr. Lisa Morano**
Project Location: University of Houston-Downtown
- 9 – Candice Lange, Rachel Kutach and Toni Shea Neadom**, “Preliminary DNA Fingerprinting of Ragweed Isolates of *Xylella fastidiosa* throughout Texas”
UHD Faculty Mentor: **Dr. Lisa Morano**
Project Location: University of Houston-Downtown
- 10 – Adolfo Lara**, “Exocytosis in Mast Cells”
Faculty Mentor: **Dr. Ruth Heidelberger**
Project Location: University of Texas – Health Science Center at Houston
- 11 – Adetomiwa Oguntuga**, “Ant Foraging Simulation Analyzer”
Faculty Mentor: **Dr. Melanie Moses**
Project Location: University of New Mexico, Albuquerque
- 12 – Elda Rueda**, “Spatial Distribution of Metabolic Enzymes in Adult Mouse Retina; Implications in Vision Preservation”
UHD Faculty Mentor: **Dr. Jerry Johnson**
Project Location: University of Houston-Downtown
- 13 – Kamran Safarli**, “Investigating the Role of General Stress Response Pathway in Genetic Buffering in *S. cerevisiae*”
Faculty Mentors: **Drs. Noorassadat Torabi and Leonid Kruglyak**
Project Location: Princeton University
- 14 – Mayra Sanchez**, “Activation Of Cax3 Relevant To Bioavailability Of Calcium In Plants”
Faculty Mentors: **Drs. Kendal Hirschi** (Children’s Nutrition Research Center), **Debra Murray*** and **Richard Gibbs***
Project Location: *Human Genome Sequencing Center, Baylor College of Medicine
- 15 – Israel Sierra**, “Electrochemical Sensing Of Sulfur-Containing Organic Compounds By Electrodes Of Non-Noble Metals”
UHD Faculty Mentor: **Dr. Mian Jiang**
Project Location: University of Houston-Downtown
- 16 – Glenda Thammavongsa, Lassana Samarakoon and Cory Ali**, “Building a Diatom Succession Model for a Mitigated Wetland”
UHD Faculty Mentors: **Drs. Brad Hoge and Ronald Barnes**
Project Location: University of Houston-Downtown
- 17 – Tuan Tran**, “Ionomer Based Composites for Sensor and Battery Application”
UHD Faculty Mentor: **Dr. Mian Jiang**
Project Location: University of Houston-Downtown
- 18 – Karina Vazquez**, “EGF-A as a Potential Therapeutic for Lowering Serum LDL-Cholesterol”
Faculty Mentor: **Dr. Barrett R. Harvey**
Project Location: University of Texas Health Science Center at Houston
- 19 – Rosa Villagomez**, “Expression of Infectious Bursal Disease Virus VP3 for Biophysical Characterization of the VP1-VP3 Complex”
Faculty Mentors: **Drs. Yukimatsu Toh and Yizhi Jane Tao**
Project Location: Rice University
- 20 – Desiree Wilson**, “The Effects of *SPAG16* Mutations and Their Relationship to Male Infertility”
Faculty Mentor: **Dr. Martin M. Matzuk**
Project Location: Baylor College of Medicine