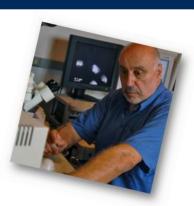


The University of Texas at San Antonio Research Centers in Minority Institutions

Congratulations to Dr. Jose-Yacaman

Recipient of the SACNAS 2012
Distinguished Scientist Award





**Congratulations to Dr. Astrid Cardona** 

Recipient of the 2012 Woman of Distinction

Award from the Texas Association of Mexican

American Chambers of Commerce

(Dr. Cardona is a junior faculty mentored by Dr. Forsthuber)

What Core Outdid All the Others in Number of Highlights Submitted? Look inside to find outl

# **Important Dates to Remember**

October 5 — UTSA COS Research Conference
October 11-14 — SACNAS National Conference
December 10-13 — RCMI International Symposium

Check out the Research Core Highlights on pages 2-3

This newsletter was supported by a grant from the National Institute on Minority Health and Health Disparities (G12MD007591) from the National Institutes of Health

#### **HIGHLIGHTS** — Administrative Core

Drs. Perry and Tsin as Principal Investigators have published or submitted a total of 10 manuscripts, abstracts, and articles.

#### **HIGHLIGHTS** — Nanotechnology and Human Health Core

- Dr. Jose-Yacaman will be honored with an Honoris Causa Doctorate from the University of Cordoba in Argentina for his work in nanotechnology.
- In the "Metal of the Month" blog post about the use of silver in *Metallomics*, Dr. Jose-Yacaman's paper was selected as an example of research in this area. http://blogs.rsc.org/mt/2012/07/25/metal-of-the-month-silver/
- ▶ Two students (Nabraj and Subarna) won first and second place in the poster competition in the Microscopy and Microanalysis Meeting.
- Dr. Garcia received the 2012 Recognition by the UTSA Honors Alliance for excellence in promoting academic integrity, intelligent living, and meaningful learning.
- ▶ Dr. Garcia has been awarded two grants: "Ankyrins at Electrode Surfaces" (NIH-SCORE, Principal Investigator) and "Lab-on-a-Robot Platform for in-situ Planetary Compositional Analysis" (NASA STTR Phase I, Project Director).
- Dr. Garcia reported five oral presentation invitations:
  - 59th Symposium of the American Vacuum Society Symposium (Tampa, FL)
  - Instituto de Química da Universidade Estadual de Campinas (Campinas, Brazil)
  - Laboratório Nacional de Luz Síncrotron, Centro Nacional de Pesquisa em Energia e Materiais (Campinas, Brazil)
  - III International Workshop on Analytical Miniaturization and NANO technologies, WAM-NANO2012 (Barcelona, Spain)
  - 243rd ACS National Meeting (San Diego, CA)
- Dr. Garcia also gave two presentations at the LACE 2011 17th Latin-American Symposium on Biotechnology, Biomedical, Biopharmaceutical, and Industrial Applications of Capillary Electrophoresis and Microchip Technology meeting (Hollywood Beach, FL).
- Locally, Dr. Garcia will be a speaker at UTSA's 2012 College of Sciences Research Conference.
- Dr. Garcia was a speaker at two seminars:
  - Department of Chemistry Graduate University of the Chinese Academy of Sciences (Beijing, China)
  - Department of Chemistry Florida International University (Miami, FL)
- Dr. Garcia was a co-author on two submitted papers and a chapter that is in press.
- ▶ Bioanalysis 4 (2012) featured Dr. Garcia's article "The Next Big Thing is Actually Small"

# **HIGHLIGHTS** — Protein Biomarkers Core

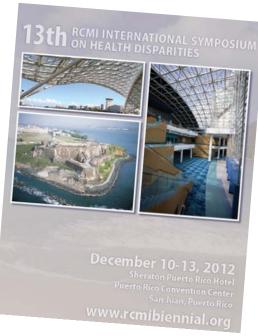
- ▶ The rapid/high-throughput sample preparation method has been successfully adapted for use with 96-well plates to enable even larger numbers of samples to be processed simultaneously.
- ▶ Dr. Haskins successfully competed to be a part of the Career Reviewer (ECR) program at the Center for Scientific Review (CSR), National Institute of Health

# **HIGHLIGHTS** — Computational Systems Biology Core

- ▶ The workshop series on Parallel Computing initiated in Spring 2012 was very well received and the series will continue in Fall 2012. The workshops highlight the potential and effectiveness of parallel computing as a viable option to mining large scale-omics datasets.
- ▶ The CSBC, along with the Computer Science Department and MathWorks, co-sponsored a workshop on mathematical modeling and imaging with MATLAB®.

# **HIGHLIGHTS** — Biophotonics Core

▶ This year's annual workshop was "Analyzing Cell Morphology & Movement in 3D" and consisted of hands on training in areas like analysis in neuron tracing, morphological measurements, deconvolution, cell tracking, and 3D stitching.



UTSA has a total of 39 abstracts submitted / accepted to the **13th RCMI International Symposium on Health Disparities** in Puerto Rico.

We targeted sending 25 people from UTSA to the symposium; we have 26.

The **Sheraton Puerto Rico Hotel** is fully booked! The overflow hotel is the **Conrad San Juan Condado Plaza**. (courtesy shuttle to the Convention Center will be provided)

### RCMI Center for Interdisciplinary Health Research (CIHR)

The University of Texas at San Antonio, One UTSA Circle, San Antonio, TX 78249 

| Administrative<br>Core                  | Principal Investigators<br>George Perry, PhD<br>Andrew Tsin, PhD   |  | Scientific Associate Program Director<br>Thomas Forsthuber, MD, PhD   |   | Administrative Manager<br>Christella Robledo, BA |  |
|---|--|--|---|---|--|--|
| Biophotonics Core                       |  | <u>Core Leader</u><br>Colleen Witt, PhD        |   | <u>Core Director</u><br>Colleen Witt, PhD         |  |  |
| Nanotechnology and<br>Human Health Core |  | <u>Core Leader</u><br>Miguel Jose-Yacaman, PhD |   | <u>Core Director</u><br>Arturo Ponce-Pedraza, PhD |  |  |
| Computational Systems<br>Biology Core   |  | <u>Core Leader</u><br>Yufeng Wang, PhD         |   | <u>Core Director</u><br>Zhiwei Wang, MCS          |  |  |
| Protein Biomarkers Core                 |  | <u>Core Leader</u><br>Stephan Bach, PhD        |   | <u>Core Director</u><br>William Haskins, PhD      |  |  |
|   |  |  | Photo-Induced Unfolding of Cancer-Specific Membrane Receptors Principal Investigator: Lorenzo Brancaleon, PhD |   |  |  |
| Research Pr                             | Research Project 2  Biomarker Discovery in Glucocorticoid Resistance in EAE Principal Investigator: Thomas Forsthuber, MD, PhD |  |   |   |  |  |
| Research Pr                             | Research Project 3  Advanced Data Processing for Capillary LC/MS Data Principal Investigator: Jiangiu Michelle Zhang, PhD      |  |   |   |  |  |

### **Seminars in Translational Research** (STRECH)

| Date          | Location   | Date         | Location |
|---------------|------------|--------------|----------|
| Sept 19, 2012 | UTSA       | Jan 23, 2013 | UTHSCSA  |
| Oct 14, 2012  | UTHSCSA    | Feb 20, 2013 | UTSA     |
| Nov 14, 2012  | UTSA       | Mar 2013     | UTHSCSA  |
| Dec 2012      | No seminar | Apr 17, 2013 | UTSA     |
|               |            | May 2013     | UTHSCSA  |

The STRECH series brings together basic and clinical researchers from UTSA and UTHSCSA to promote new multi-disciplinary collaborations that foster the development of innovative theories, approaches, and technologies in clinical and translational research.

More details can be found on the STRECH website: http://translationalseminars.utsa.edu



#### Christella's Corner 🌋



Stop by the RCMI College of Sciences Research **Conference Booth on October 5th** — we are premiering the interactive Helenita model!

Our External Advisory Committee Chair will be at the College of Sciences Research Conference on October 5th. Dr. Torres-Ruiz will be providing a short speech after Dean Perry in the morning introduction

The State Employee Charitable Campaign (SECC) kicks off on October 1.

RTRN: Congratulations to Dean Perry for his successful spotlight presentation representing the RCMI at UTSA! He was the first presenter to provide a video presentation televised.