



Encore

Volume 1: Issue 1 July-Sept 2012

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 out!



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

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 *Metalomics*, 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 RCM 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)

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Administrative Core	<u>Principal Investigators</u> George Perry, PhD Andrew Tsin, PhD	<u>Scientific Associate Program Director</u> Thomas Forsthuber, MD, PhD	<u>Administrative Manager</u> Christella Robledo, BA
Biophotonics Core	<u>Core Leader</u> Colleen Witt, PhD	<u>Core Director</u> Colleen Witt, PhD	
Nanotechnology and Human Health Core	<u>Core Leader</u> Miguel Jose-Yacamán, PhD	<u>Core Director</u> Arturo Ponce-Pedraza, PhD	
Computational Systems Biology Core	<u>Core Leader</u> Yufeng Wang, PhD	<u>Core Director</u> Zhiwei Wang, MCS	
Protein Biomarkers Core	<u>Core Leader</u> Stephan Bach, PhD	<u>Core Director</u> William Haskins, PhD	
Research Project 1	Photo-Induced Unfolding of Cancer-Specific Membrane Receptors Principal Investigator: Lorenzo Brancaleon, PhD		
Research Project 2	Biomarker Discovery in Glucocorticoid Resistance in EAE Principal Investigator: Thomas Forsthuber, MD, PhD		
Research Project 3	Advanced Data Processing for Capillary LC/MS Data Principal Investigator: Jianqiu 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.**