

Research Centers in Minority Institutions (UTSA)  
Institute for Integration of Medicine and Science (UTHSCSA)  
Cancer Therapy & Research Center (UTHSCSA) &  
UTSA-UTHSCSA Joint Graduate Program in Biomedical Engineering  
invite you to attend

## Seminars in Translational Research

*"Building the Capacity for Translational Research"*

### Richard Caprioli, PhD

Stanley Cohen Professor of Biochemistry  
Director, Mass Spectrometry Research Center  
Vanderbilt University

### Imaging Mass Spectrometry: Molecular Mapping Beyond the Microscope

This presentation will focus on recent technological advances both in sample preparation and instrumental performance to achieve images at high spatial resolution (1-10 microns) and at high speeds so that a typical sample tissue once prepared can be imaged in just a few minutes. Finally, new biocomputational approaches will be discussed that deals with the high data dimensionality of Imaging MS and our implementation of 'image fusion' in terms of predictive integration of MS images with microscopy and other imaging modalities.

**Friday, March 20, 2015**

**9:00 — 10:00 AM**

**The University of Texas at San Antonio  
Biotechnology, Sciences & Engineering Bldg.  
Room 2.102**

For more information contact Cindy Russel, Institute for Integration of Medicine and Science  
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The University of Texas at San Antonio

