



**American Chemical Society**  
***East Texas Section***  
**October 2015**

**Next Section Meeting**

Date: Thursday, October 22  
Place: Room 1009 (FAC 1009)  
R. Don Cowan Fine and Performing Arts Center  
(Building 10 (FAC) on map)  
UT Tyler  
Parking: Lot 8 (P8 on map)  
Dinner: On your own  
Time: Speaker 7:00 P.M. (No charge for the talk)

**The Chemistry for Molecular Imaging Probe Development**

Dr. Xiankai Sun

Department of Radiology, Advanced Imaging Research Center  
UT Southwestern Medical Center  
Dallas, TX

Abstract

Novel imaging probes with defined structures and designed functionalities are desired for non-invasive assessment of biological events or pathways. In this talk, molecular imaging probe design will be discussed using examples of Positron Emission Tomography (PET) imaging of cancer and diabetes.

Speaker Bio

Dr. Sun obtained his B.S. in Chemistry from Wuhan University in China and Ph.D. in Supramolecular Chemistry from University of New Hampshire. After three years of postdoctoral training under the mentorship of Prof. Michael Welch and then a short junior faculty stay at Washington University School of Medicine in St. Louis, he joined the faculty of University of Texas Southwestern Medical Center in 2004, where he is now a tenured associate professor. Holding the endowment of the Dr. Jack Krohmer Professorship in Radiation Physics, he is now co-Director of the Preclinical Nuclear Imaging Laboratory and



Director of the Cyclotron & Radiochemistry Program at UT Southwestern. His research is currently supported by six extramural grants focusing on the development of novel imaging methods for early detection of cancer or diabetes and noninvasive evaluation of therapeutic interventions.

#### Upcoming Dates

|                |   |
|----------------|---|
| October 18-24  | National Chemistry Week: Chemistry Colors Our World |
| October 22     | Xiankai Sun at UT-Tyler                             |
| November 4-7   | Southeast/Southwest Regional Meeting, Memphis, TN   |
| November 17    | Jeff Gaffney at Texarkana College                   |
| December 15-17 | PacifiChem 2015, Honolulu, HI                       |

#### Section Website is Live!!

Check out the Section's website: <http://easttexasacs.sites.acs.org>

#### Attention High School Chemistry Teachers

The East Texas Section of the American Chemical Society is offering a limited number of grants to High School Chemistry teachers in our area. We have two different grant programs:

1. High School Chemistry Program that will fund up to \$500 for materials, chemicals or other resources for a chemistry-related project.
2. Chemistry Professional Meeting Support Program that will fund up to \$500 for meeting registration or housing at a professional meeting sponsored by a chemical society, or by a science-related society.

To receive the support applications (electronic format only) please contact Dr. Bruce Hathaway ([BruceHathaway@letu.edu](mailto:BruceHathaway@letu.edu)) the grants program committee chair.

## November is Election Time

We will be electing Chair-Elect, Secretary, and Treasurer for 2016 in November. If you have a nomination or would like to run for an office, contact Paul Zhang ([pzhang@ana-lab.com](mailto:pzhang@ana-lab.com)) prior to November 1.



### 2015 Section Officers

|                |                     |  |
|----------------|---------------------|--|
| Chair          | Paul Zhang          | <a href="mailto:pzhang@ana-lab.com">pzhang@ana-lab.com</a>                                     |
| Chair-elect    | Bruce Hathaway      | <a href="mailto:BruceHathaway@letu.edu">BruceHathaway@letu.edu</a>                             |
| Treasurer      | Patti Harman        | <a href="mailto:patricia.harman@texarkanacollege.edu">patricia.harman@texarkanacollege.edu</a> |
| Secretary      | Mike Sheets         | <a href="mailto:mike.sheets@texarkanacollege.edu">mike.sheets@texarkanacollege.edu</a>         |
| Councilor      | Mike Sheets         | <a href="mailto:mike.sheets@texarkanacollege.edu">mike.sheets@texarkanacollege.edu</a>         |
| Alt. Councilor | Philip Verhalen     | <a href="mailto:philip.verhalen@gmail.com">philip.verhalen@gmail.com</a>                       |
| Webmarm        | Kristin Butterworth | <a href="mailto:kmb681@gmail.com">kmb681@gmail.com</a>   |

## ACS PROGRAM IN A BOX

**Tales of Lab Safety: How to Avoid Rookie Accidents**

**October 20, 2015 @ 6:00pm**

There is a learning curve with everything, but mistakes made in the lab can ruin your research and cause dangerous accidents. A lab fire at the University of California, Los Angeles, in 2008 led to the death of researcher Sheharbano (Sheri) Sangji, shocking the chemistry and laboratory safety communities. Details of the incident and its cultural and legal aftermath will be discussed, along with other recent notable chemistry lab incidents and their common themes.



<http://www.acs.org/content/acs/en/acs-webinars/program-in-a-box/pib-on-demand/lab-safety.html>

## Upcoming ACS Webinars

**October 8, 2015**

**Halloween Candy Chemistry: Caramels, Gummies, Jellies, and Candy Corn**

<http://acswebinars.org/culinary-chemistry-2>

Learn how not all caramels and gummies are created equally and what candy corn is actually made of.

**October 15, 2015**

**The Material World of Color: Chemical Characterization of Pigments in Art**

<http://acswebinars.org/popular-chemistry/material-color>

Join Barbara Berrie from the National Gallery of Art as she share how chemical analysis can help us appreciate art.

**October 22, 2015**

**The Power of Predictions: Addressing Big Issues in Chemistry Education**

<http://acswebinars.org/technology-innovation/chemistry-enterprise>

Join Past ACS President Bruce Bursten and ACS Board Member William Carroll as they discuss the good, bad, and the ugly of the state of science education in the United States.

**October 29, 2015**

**Pharmacokinetic Considerations in Drug Design and Development**

<http://acswebinars.org/drug-discovery/pharmacokinetic>

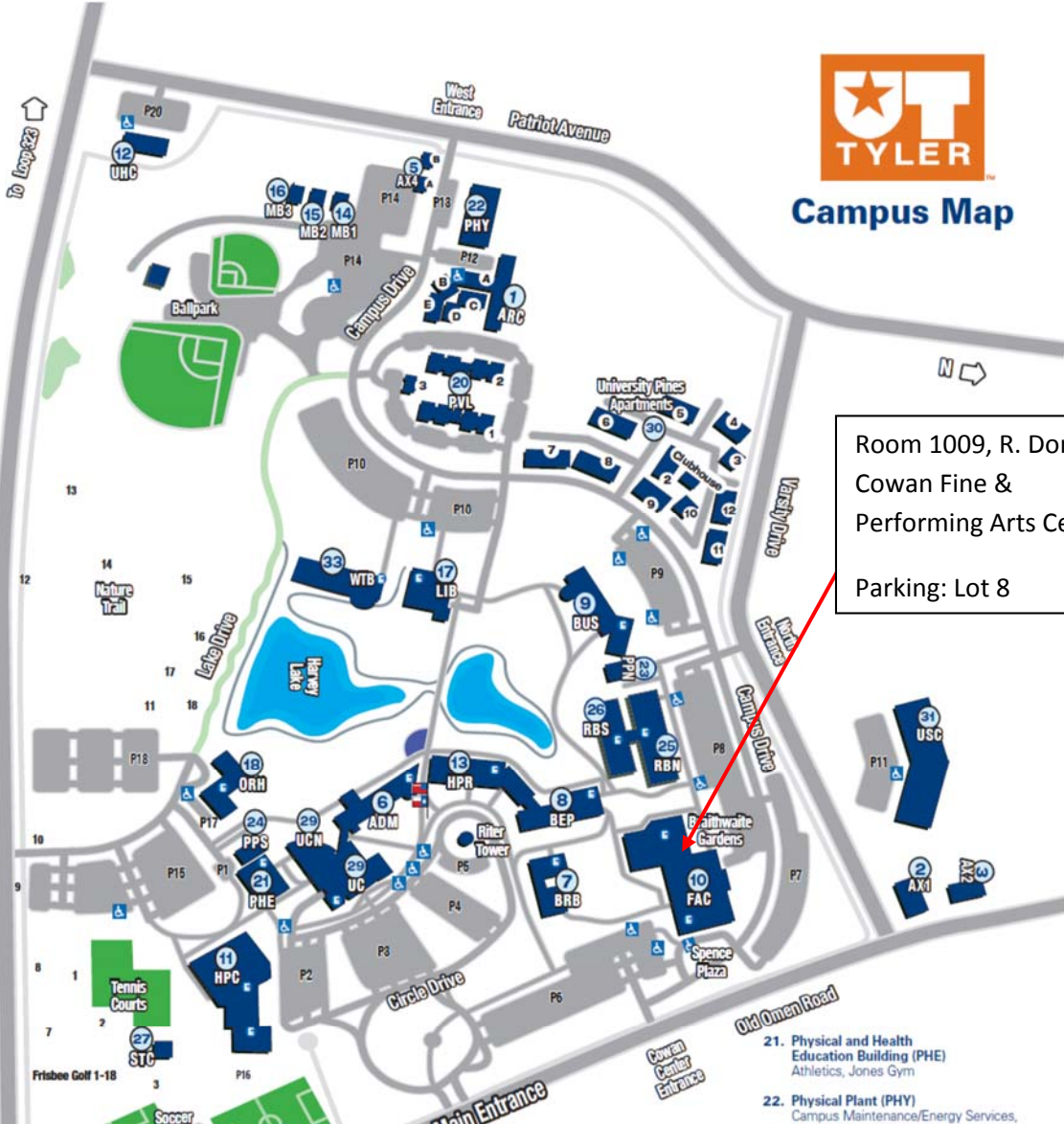
Learn about key pharmacokinetic concepts including clearance, volume of distribution, half life and protein binding.

### **About ACS Webinars™**

ACS Webinars™ is a free, weekly online event serving to connect ACS members and scientific professionals with subject matter experts and global thought leaders in chemical sciences, management, and business. The ACS Webinars are divided into several series that address topics of interest to the chemical and scientific community; these series include careers, business and innovation, professional growth, joy of science, extreme chemistry, entrepreneurial initiative, green chemistry, and more. Each webinar is 60 minutes in length, comprising a short presentation followed by Q&A with the speaker. The live webinars are held on Thursdays from 2-3pm ET. Recordings of the webinars are available online and upcoming events are posted at <http://acswebinars.org/>.



# Campus Map



Room 1009, R. Don Cowan Fine & Performing Arts Center  
 Parking: Lot 8

- 1. Fine Art Complex (ARC)  
Art & Art History
- 2. Auxiliary Building #1 (AX1)  
Office of International Programs (OIP)
- 3. Auxiliary Building #2 (AX2)  
Office of International Programs Annex
- 4. Ingenuity Center Building (ICB)
- 5. Auxiliary Building #4 (AX4)  
TxAIRE Homes
- 6. James H. Stewart Administration Building (ADM)  
Enrollment Services Center, Cashiers, Human Resources Administration, Welcome Center
- 7. David G. and Jacqueline M. Braithwaite Building (BRB)  
College of Nursing
- 8. Biology, Education and Psychology Building (BEP)  
College of Education and Psychology, Biology

- 9. Business Building (BUS)  
College of Business, Liberal Arts, Academic Computing Center
- 10. R. Don Cowan Fine and Performing Arts Center (FAC)  
Vaughn Auditorium, Braithwaite Recital Hall, Meadows Gallery, School of Performing Arts
- 11. Louise Herrington Patriot Center (HPC)  
Health and Kinesiology, Fisch Convocation Center (volleyball/basketball courts), Vaughn Pool
- 12. Health Clinic (UHC)  
Student Medical Services
- 13. Hudnall-Pirtle-Roosth Building (HPR)  
Communication, Educational Leadership & Policy, Human Resource Development and Technology, Psychology & Counseling
- 14. Modular Building #1 (MB1)
- 15. Modular Building #2 (MB2)  
Communication Annex - Debate Team & Patriot Talon
- 16. Modular Building #3 (MB3)
- 17. Robert R. Muntz Library (LIB)  
Library, Patriot Printing Services
- 18. Mr. and Mrs. Joseph Z. Ornelas Residence Hall (ORH)
- 19. Ornelas Activity Center (OAC)  
University Advancement Alumni Relations
- 20. Patriot Village Apartments (PVL)

- 21. Physical and Health Education Building (PHE)  
Athletics, Jones Gym
- 22. Physical Plant (PHY)  
Campus Maintenance/Energy Services, Mail Services, Building Maintenance Services
- 23. Power Plant (PPN)  
Campus Utilities
- 24. Power Plant (PPS)  
Campus Utilities
- 25. Ratliff Building North (RBN)  
College of Engineering and Computer Science, Mathematics
- 26. Ratliff Building South (RBS)  
College of Engineering, Chemistry
- 27. Summers Tennis Center (STC)  
Patriot Tennis
- 28. Innovation Academy (IA1)
- 29. University Center (UC and UCN)  
Dining Services, Student Life and Leadership, Residence Life, Career Services, UT Tyler Barnes and Noble Bookstore, Veterans Resource Center, International Student, Scholar & Faculty Services
- 30. University Pines Apartments (UPA)
- 31. University Service Center (USC)  
Campus Police
- 32. Eagle's Landing Apartments (EL)
- 33. W.T. Brookshire Hall (WTB)  
Fisch College of Pharmacy
- 34. Innovation Academy (IA2)
- 35. Innovation Academy (IA3)
- 36. Innovation Academy (IA4)

