



SoFLACS



Vol. 22, No. 3

South Florida Section ACS

Fall 2012

Upcoming Section Meetings

Friday, September 14, 6:30 PM
Florida International University, Biscayne Bay Campus
Beverage Management Center room 175
3000 NE 151 St., North Miami



Dr. Barry Gump

Professor of Beverage Management
Harvey Chaplin Eminent Scholar Chair

“The Components of Wine: the Good, the Bad and the Ugly”

Dr. Gump plans to fortify some wines with sugar, acid, and alcohol and talk about wine components and the concept of balance. He will also bring a selection of “bad wines” that can be smelled to learn to identify faults and flaws in wines. There will be nominal charge of \$5:00 to participate in the wine tasting. SoFL-ACS will provide cheese and crackers. Dr. Gump is Emeritus Professor of Chemistry and Emeritus Adjunct Professor of Enology at California State University, Fresno, where he taught courses in chemistry, brewing, and wine analysis for almost 40 years. He has also instructed “Wine Components” and “Wine Analysis” classes for the wine education program housed at Santa Rosa Junior College (Santa Rosa, CA), and on-line wine chemistry/analysis classes for Grayson Community College (Dennison, TX), and Harrisburg Community College (Harrisburg, PA). He also gives workshops, seminars, and lectures to grape and wine industry groups.

Friday, November 9, 6:00 PM
Florida Memorial University
FMU/FIU Auditorium
15800 NW 42nd Ave. Miami Gardens

Dr. Sheldon Landsberger

Professor of Mechanical Engineering
The Cockrell School of Engineering
The University of Texas, Austin



“A History of Nuclear Science”

Dr. Landsberger is primarily involved in determination of heavy metals in environmental samples using nuclear analytical methods. He has had experience for many years in analyzing air samples from the Arctic, Great Lakes, and many other urban and rural areas. In particular, he has developed improved nuclear techniques to better determine elements of critical importance in identifying regional sources of airborne particles, and characterizing solid waste leaching dynamics. He has used various statistical models to distinguish the trace elements from natural and industrial sources and developed experimental and modeling methods to study the leaching dynamics of heavy metals into the ground water aquifers. He is involved in experimental radioactive waste management in addition to the development of non-destructive elemental analyses using neutron activation methods. His current research interests include low-level counting of natural radioactivity, corrosion studies, Compton suppression, gamma-ray spectrometry, and risk assessment in radioactivity handling.

National Chemistry Week Family Day

Noon - 4:00 pm, Saturday, October 27

Museum of Discovery and Science
401 SW 2nd St., Ft. Lauderdale



Free admission and an IMAX show for SoFL-ACS members and families

Keynote address “Nanotechnology: the smallest BIG idea in science”
presented by Dr. Marc Knecht, Nanotechnology Institute, University of Miami

Chem Club students and faculty from high schools, colleges, and universities will present chem demos and hands-on activities.

High School Chemistry Teacher Inquiry Based Workshop

SoFL_ACS will sponsor a free high school teacher in-service workshop funded by an ACS innovative project grant, 8:30 am - noon, on Saturday, September 22, at FIU Biscayne Bay campus, Academic II Rm 341, North Miami. Instructors: Jesse Bernstein, Paul Price, and Jeffrey Bracken. Detailed information at <http://soflacs.org> or contact Dr. Milly Delgado (delgadom@fiu.edu).

Project SEED High Summer Research Internships

Three high school students from South Florida participated in eight weeks of summer research with professors at University of Miami and FIU under the ACS Project SEED program. David Pena, a senior at the School for Advanced Studies, worked with Dr. Prabhakar at U.M. investigating interaction of insulin B chain with CKarla Villalta, a graduate of Alonzo and Tracy Morning Senior High School, also did research with Dr. Prabhakar investigating interaction of leucine⁶-enkephalin neurotransmitter with; Eyleen Izaquierre, a senior at North Miami Senior High School, did research with Dr. John Berry at FIU-Biscayne Bay campus on bioactive compounds from cyanobacteria. The high school students receive a stipend, research training and college counseling from their research mentors. They will also be eligible to apply for a SEED college scholarship. Please remember to support Project SEED with a donation when you pay your ACS dues.

Dr. Fisher to Receive ACS National Award

SoFL-ACS Councilor Dr. Fisher will receive the 2013 ACS national award for *Encouraging Disadvantaged Students into Careers in the Chemical Sciences*, sponsored by The Camille and Henry Dreyfus Foundation, Inc., at the awards ceremony on Tuesday, April 9, 2013, in conjunction with the 245th ACS national meeting in New Orleans. This award is intended to recognize significant accomplishments in the US by individuals in stimulating students, especially those currently underrepresented in the profession, to elect careers in the chemical sciences and engineering, and in generating a broader appreciation of chemistry as the central science.

Join your colleagues for the **64th ACS Southeastern Regional Meeting (SERMACS)** to be held November 14-17, 2012, in Raleigh, NC.

The theme for SERMACS 2012 is "Catalyzing Sustainable Innovation"; abstracts are being accepted in more than 20 subject areas until September 16th, so [submit your abstract today](#) for a paper or poster presentation. The meeting will also include two special conferences, the [41st Southeastern Magnetic Resonance Conference](#) and the Center for Solar Fuels (UNC EFRC) Conference, "[Photonic Assemblies, Materials, and Catalysts for Solar Fuels.](#)" [Register now](#) to secure your place in the many exciting courses, workshops, and events being offered at SERMACS 2012; advance registration closes October 31st. [Reserve your room](#) at the Marriott City Center to receive the special rate and benefits for SERMACS 2012 attendees. Visit the [meeting web site](#) for the latest details on the technical program, special events, and local attractions.

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SoFL-ACS web site: <http://www.soflacs.org>

National ACS web site: <http://www.acs.org>

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