

Faculty recognition

Jianfeng Cai (assistant professor) is one of the 2011 ORAU Ralph E. Powe Junior Faculty Enhancement Award winners. Awards provide seed money for research by junior faculty at Oak Ridge Associated



Dr. Jianfeng Cai

Universities (ORAU) of which USF is a member institution. The awards are intended to enrich the research and professional growth of young faculty and result in new funding opportunities.

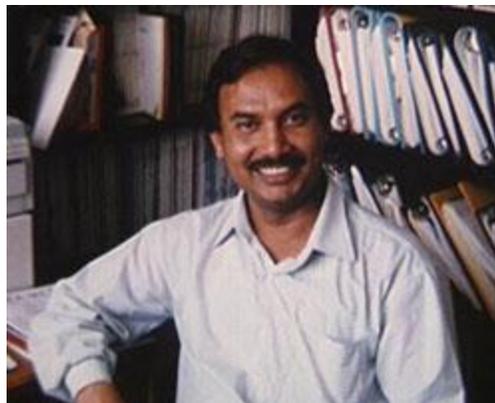
Dr. Jon Antilla (associate professor) has been named a Japan Society for the Promotion of Science Fellowship winner for 2011. He will head to Japan to be a short-



Dr. Jon Antilla

term scholar at Gakushuin University. As part of the visit, **Dr. Antilla** will travel to several other Japanese institutions to present his work.

Dr. Abdul Malik (associate professor) attended 43rd IUPAC World Chemistry Congress held in Puerto Rico (July 30 –



Dr. Abdul Malik

August 7, 2011) where he presented an invited lecture, “Sol-gel Germania Materials in Separation Science.” Seven Nobel laureates gave plenary lectures in this meeting.

Dr. Randy Larsen wrote, “Once again our faculty have demonstrated academic and research excellence consistent with our NRC rankings which place our department in the same category as the top 50% of AAU Chemistry Departments. We recognize that this success has come through significant investment in the sciences by USF and we look forward to continued growth.”

In a more candid observation, it was noted the USF Chemistry Department is one that our football team can be proud of (to paraphrase Coach Bobby Bowden).

Staff news...

Two persons have joined the Department of Chemistry as members of the Department Advising Team.

Kristin Tocci completed her Master of Arts in Counseling at East Tennessee State University. She relocated from Urbana, Illinois where she worked as an Admissions Counselor at the University of Illinois at Urbana-Champaign.

Kristi Kocher earned her Master of Education in College Student Personnel at Ohio University. Her background includes advising first-year students, student athletes, and at-risk students at Ohio University.

A new tradition?

An ice cream social was held during WOW (Week of Welcome) for our new and returning students. It was a great chance for faculty and staff to “bond” with the undergraduate students and encourage them to get involved in undergraduate research. **Ms. Katie De Guzman** coordinated the

social with the help of her fellow advisors **Ms. LaToya Lee, Ms. Kelly Pearson, Ms. Brittany Sheehy, and Ms. Kristin Tocci.**



Ms. LaToya Lee and Ms. Kristin Tocci greet Dr. Turos

A goodly number of students and faculty members were present allowing the opportunity to share ideas, get helpful tips, and enjoy what we hope will become an annual tradition.

The Chemistry Advising Team is responsible for advising approximately 3,500 students who are declared in one of the seven degrees offered through the Chemistry Department.



A good number of persons enjoyed conversation and ice cream.

Martin Lecturer

Dr. Joseph S. Francisco, William E. Moore Distinguished Professor of Chemistry and Earth and Atmospheric Sciences, Purdue university was the Martin lecturer on Thursday September 22. His topic was “Earth’s Atmosphere to Planetary Engineering of Mars: An Adventure in Chemistry.”

Dr. Francisco is also the Immediate Past President of the American Chemical Society.



Dr. Francisco with Barbara and Dean Martin

Ribbon cutting

The ribbon cutting for the Interdisciplinary Science Building (ISA) was held Tuesday afternoon, September 27th. The building is creatively designed for faculty-faculty and student-student interaction, and student-faculty interactions and was truly designed for interdisciplinary research. It must be seen to be believed.

The building presently is occupied by the Physics and Interactive Biology Departments. Chemistry has a teaching laboratory in the building (below).



Picture courtesy of Mr. Peter E. Howard, Director of News and Digital media

The NMR Facility is located there and for the first time in a while all of the instrumentation is in one building.



Picture courtesy of Mr. Peter E. Howard, Director of News and Digital Media

Hispanic Heritage Month

Hispanic Engineer National Achievement Awards Corporation” conference

Ms. Michelle Cortes-Salva attended this event in Lake Buena Vista Florida (Disney) in October. She won first place in the technical poster competition in the Math and Science Division and she received \$1,200.

2011 Successful Latina/o Student Awardees

The award recipients announced in October

included four Chemistry graduate students: **Michelle Cortes-Salva** (advisor, **Dr. Jon Antilla**), **Jhon Figueroa** (advisor, **Dr. Schlaf**), **Keily Heredia** (advisor, **Dr. Lewis**), and **Susana Lopez** (advisor, **Dr. Antilla**). Awards are given to students who are meritorious and demonstrate excellence in the areas of Inquiry (Scholarship, Research), Professional Development, and Service.



Dr. Muisener (Associate Chair), Mr. Figueroa, Ms. Heredia, Ms. Lopez, Ms. Cortes-Salva

Department Funding

Dr. Randy Larsen wrote, "It is my pleasure to report that the metal-organic materials research effort in chemistry (i.e., **USF-SMMARTT**) has had a very successful week! Two grants have been funded. The grants include:

An ARPA-E grant that supports a collaboration between USF (**Dr. Shengqian Ma** and **Prof. Mike Zaworotko**) and PNL entitled "Electric-Powered Adsorption Heat Pump for Electric Vehicles." The USF group will focus upon the design and characterization of electrically conducting metal-organic materials.

A CRDF collaborative grant between USF and the Institute of Organic Chemistry of the National Academy of Science of Ukraine.

The grant is funded under their Global CGP program and is titled "Design, synthesis and properties of calixarene based metal organic materials, calix-MOMs."

Dr. Roman Manetsch and **Prof. Dennis Kyle** (Global Health) have been awarded a *second* NIH R01 in the area of anti-malarial drugs. **Dr. Randy Larsen** said, "The collaborative research between the Department of Chemistry (SNSM/CAS) and the Global Health (USF-Health) has clearly elevated USF to one of the top research programs in the country with regards to the development of novel anti-malarial pharmaceuticals."

The National Science Foundation has awarded a TUES grant in the amount of \$116,117 to **Dr. Jennifer Lewis** to support a three-year project entitled: Collaborative Research: Climate Change Concepts and POGIL.

Dr. Randy Larsen wrote, "This is an outstanding demonstration of the interdisciplinary aspects of Chemical Education Research and clearly aligns with the Science Education Research Cluster within SNSM."

Out and About...

Welcome news from **Dr. Jeff Davis** (Faculty 1965-98; Chair 1978-82, 1995-1980) He had a meeting in Geneva in July. He and his wife, **Sylvia**, decided to make a more enjoyable trip by staying awhile in Paris and taking a trip

around Switzerland for a while, all of which they enjoyed thoroughly.

He is active in the local Kiwanis Club and will take on the presidency for the 2011-12 year so that keeps him busy as well as helping others. His wife, Sylvia, is painting (watercolor) a lot, and he can enjoy the multiple art goings-on as well.

Ms. Cheryl Graham (Fiscal and Business Assistant) was the recipient of a USF Outstanding Staff Award. This significant honor was presented to her by President Genshaft and Provost Wilcox on September 21st.



Ms. Cheryl Graham

Dr. Randy Larsen wrote, “Cheryl works in the trenches to ensure our fiscal transactions are done in a timely fashion and in compliance with the many checks and balances of the current fiscal system. As fiscal management evolves at USF and compliance issues remain an ever changing landscape, our fiscal personnel face many difficult and unexpected challenges.”

Saw **Dr. George Jurch** (Faculty 1966-98) and **Mrs. Molly Jurch** at the ISA ribbon

cutting just as they were boarding the elevator to start the building tour. Not much time for conversation, but they both looked good.

Dr. Jennifer Lewis (associate professor), is on sabbatical leave doing educational research in the Department of Chemistry at Penn State.



Dr. Jennifer Lewis

She also gave a seminar at the University of Northern Colorado in August and presented a paper at the national ACS meeting in Denver.

Dr. Roman Manetsch was promoted to Associate Professor of Chemistry and awarded tenure.



Dr. Roman Manetsch

Dr. Santiago Sandi-Urena (assistant professor) and **Dr. Vicki Lykourinou** were the only two from American universities at the 4th EuroVariety Chemistry Education in Bremen, Germany Sept 1-3, where they both



Dr. Sandi-Urena (left) and Dr Lykourinou (right) with organizers Drs. David DiFuccia and Ilka Parchmann (center)

presented papers dealing with their research in chemical education. One of the keynote speakers at the conference was the current president of the German Chemical Society.

Staff appreciation time



Staff members gathered for a supporter-sponsored luncheon on November 17th and are pictured in between Chemistry and ISA.

In 1964, there were four staff members.

Alumni you may know...

Kathleen Carvalho (Ph.D. 2000) Associate Professor of Chemistry at USF-St. Petersburg received Valdosta State's College of Arts and Sciences Outstanding Alumna Award at a ceremony at VSU on

October 13th. Dr. Carvalho was the first graduate of the VSU Chemistry Department to receive this honor. She was recognized for outstanding work done since her graduation.

Cristina Coates (Ph.D. '04), who had been an advisee of **Dr. Ed Tuross**, died September 20. Among other positions she had been Chemistry Instructor and Post-doctoral Research Fellow at Florida Gulf Coast University, later a faculty member there, at Nicholls State University (Thibodaux, LA), and Warner University (Lake Wales, FL).

George Cobb (Ph.D. '87) formerly Professor of Environmental Toxicology, Institute of Environmental & Human Health, Texas Tech University, is now Chairman, Department of Environmental Science, Baylor University.

Dr. Shawn E. Desai (B.A. '01) completed requirements for a Ph.D. in Chemistry (Emory, '08) as a George W. Woodruff Scholar. He subsequently earned his J.D. (Georgia) in June, 2011 and took the Georgia bar exams in July.

David Fries (M.S. '99) is Director of the Systems Technology Group, Center for Ocean Technology, USF College of Marine Science. He is also a charter member of the National Academy of Inventors, as is his former advisor, **Dr. Rebecca O'Malley**, and as are several other Chemistry faculty members.

Janette U. Gaw, M.D. (B.A., summa cum laude '93) She earned her M.D. from Yale Medical School (1997), following internship (1998) and residency (2003), she held fellowships at the Mayo Clinic Hospital and the Georgia Colon and Rectal Surgery

Clinic (Atlanta). She is now a surgeon with the Colorectal Institute in Ft. Myers, FL.

Dr. Steve Hollis (M.S. '80) a former advisee of **Dr. Joseph Stanko** (Faculty, '73-03) moved from Abbott Labs (Chicago) about five years ago and is now with Amgen (Boston) where he has responsibility for the firm's 19 NMR instruments located in three locations

Dr. Robert Poole (M.S. '67) is now retired in Albuquerque, NM after a very successful career in industry. He stopped by September 20 to say hello and was instantly recognizable.

M. Stacy Thomson (Ph.D. '94) is an associate professor at Pasco-Hernando C.C. She was pictured recently in an issue of the *Tampa Tribune*

In the News...

USF was ninth in the world among universities granted patents in 2010 when it was granted 83 patents.

President Judy Genshaft noted that the ranking speaks volumes about USF's growth as a global research university and key economic driver for the region.

USF was the only Florida university to make the top 300 patenting organizations, according to the Intellectual Property Organization.

Campus changes --- past and future...

Recreation Center

At the end of August, an official ribbon cutting opened the renovated Campus Recreation Center (used by chemists and others) and the new Champion's Choice dining hall (next to the Sun Dome).



The \$17.1 million complex has an academic goal, interestingly enough. USF officials are quoted as saying "Studies show that students who are active, engaged and eat well perform better and are more likely to complete their degrees."

The renovation tripled the square footage of the former center, and it has a cardio floor with cable TV to watch while working out, Internet access, and indoor track, and a new gymnasium, among other features.

Chemistry faculty who work out at the Rec Center are delighted with the new facility.

Leroy Collins Boulevard

Alumni and others should notice big changes have been made to the main entrance of USF on Collins Boulevard that goes from Fowler to the Administration Building. These changes include: majestic landscaping featuring wild date palms (behind the digital sign), two water fountains that use condensation discharge

from the library cooling system, and an oval of flagpoles that separate the fountains.

In addition, Bull Runner bus stops have been moved to “cutouts” allowing the buses to pull out of traffic while students enter or exit. And two new turn lanes have been added to the median that eliminate the long U-turn drivers had to endure. For pictures <http://news.usf.edu/article/templates/?a=3624&z=158>

By the numbers

The USF System (all four campuses) had 47,212 students registered this fall, 39,639 at the Tampa campus (74% undergraduate, 20% graduate).

“During the 2010/11 academic year, USF students contributed 143,643 documented volunteer service hours.”

--- information from the USF System Factbook 2011/12

Do you have a favorite prof?

We have received calls or messages from alumni, who want to thank a former professor for a past assistances or services.

This is one way to honor one who helped.

Another is to visit our Web page, click on “Make a Gift” and dedicate your gift to the fund of your choice in honor of person of choice, who will receive a special note from the USF Foundation, Inc.

News and feedback

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For past issues you may have missed, please see the departmental Web page.

News for us or comments?

Please write to: dmartin@cas.usf.edu

or share with the Webpage or with the Facebook.