

## **Faculty news--- Awards**

### **NSF Awards**

Dr. **Wayne Guida** announced the remarkable news that five chemistry faculty members were PIs of seven NSF awards

Dr. **Shengqian Ma**: Functional Porous Organic Polymers as Advanced Decontamination Materials for Water Purification, \$329,947; (1/17-7/31/2020);

**and**

Crystallographic Studies on co-Crystals; Colgate Palmolive Company; \$70,000 (2/1/17-1/31/2020)

Dr. **Xiadong (Mike) Shi**: Achieving Challenging Transformations with 1, 2, 3-Triazole Based Novel Metal Catalysts \$405,000 (9/1/17-8/31/2020)

Dr. **Jennifer Lewis**: Collaborative Research: Mapping Change in Higher Education-Social Networks and STEM Reforms, \$558,531; (10/1/17-9/30/2020)

**and**

NSF I-USE - Collaborative Research: Student Engagement in a Community-based, Blended Learning Environment: Perspectives from a Minority Serving Institution, Spelman College (via NSF) \$204,570 (3/24/17-9/30/17)

Dr. **Jeff Raker**: Collaborative Research: Improving inorganic chemistry education through a community-developed student-centered curriculum, \$303,577 (9/1/17-8/31/2022).

**and**

Collaborative Research: Evaluating the uptake of research-based instructional strategies in undergraduate chemistry, mathematics, & physics. \$211,914 (9/1/17 – 8/31/20)

N.B. This work will be conducted in collaboration with researchers at Western Michigan University (Lead Institution), Virginia Tech, University of Nebraska-Lincoln, and the University of Colorado.

Dr. **Juan Del Valle**: *N*-Amino peptide-derived beta-sheet mimics, \$418,108 (8/1/17-7/31/2020)

Dr. **Jiangfeng Cai**: Development of unimolecular antibacterial nanomaterials. \$390,000 (8/1/17-7/31/2020)

**and**

### **NIH RO1 Awards**

Dr. **Jianfeng Cai** (Co-PI) Dr. **Chuanhai**, (College of Pharmacy): Gamma-AApeptides as novel biomaterials inhibiting Abeta peptide aggregation \$1,799,703, (09/01/2017-5/31/2022).

*also*

Dr. **Shengqian Ma**, Department of Interior (Desalination and Water Purification Research Program), *Efficient Nutrient Recovery from Urine to Prevent Downstream Water Costs and Resale of Valuable commodities*, \$150,000; 2years

### ***Schneller Legacy Lecturer***

The lecturers are supported by a supplement to the seminar program provided by an endowment created by Dr. **Stewart Schneller** and his wife Ms. **Aina Schneller**.

Dr. Schneller has been a professor of chemistry and biochemistry at Auburn University (1994- present). He was a USF chemistry faculty member (1971-94) and department and chair (1986-94) before accepting the position of Dean, College of Sciences Mathematics at Auburn (1994-2010).

The 2017 Schneller Legacy Lecture was Dr. **Jeffrey Johnston** Department of Chemistry, Vanderbilt University. The title of his lecture was “New Catalysts, Methods, and Strategies for Therapeutic Development and On-Demand Natural Product Total Synthesis.”



Dr. Johnston

He is currently Stevenson Professor of Chemistry and a member of the Vanderbilt Institute of Chemical Biology.

Among his many activities is his membership on the Board of Directors for the Arnold and Mable Beckman Foundation, the leading supporter of research(ers) in the chemical and biological sciences.

He has been professionally recognized in many important ways including the ACS Arthur C. Cope Scholar Award (1914) and election as Fellow AAAS.

### ***News –Student Awards***

#### **Ms. Kearns at 2017 Lindau Nobel Laureate meeting**

Ms. **Fiona Kearns**, doctoral candidate in Chemistry, attended the 67th Lindau Nobel Laureates Meeting in Lindau, Germany (June 23<sup>rd</sup>). She was one of 23 delegates funded by Oak Ridge Associated Universities. US delegates were selected from over 200 applicants around the nation, with only one other student representing Florida institutions at the global event. Her advisor, is Dr. **Lee Woodcock**.



Ms.Kearns

The Lindau Nobel Laureates Meeting was founded in 1951 with the intention of rebuilding Germany’s international scientific relationships after World War II. The Lindau

Meetings are held annually, with a different scientific discipline chosen each year. This year chemistry, the “central science”, took center stage!

Over 400 students and 28 Nobel Laureates, in total representing over 70 nationalities, gathered in Lindau, an island city in Germany, at the end of June.

Amidst an ever-increasing climate of international division and tension, this meeting and its attendees showed how the pursuit of knowledge through science builds bridges between cultures. Ms. Kearns said her experience in Lindau was “wonderfully immersive and eye-opening.”

## ***News –Staff***

Ms. **Kaitlyn Kroner**, academic program specialist, recently earned a master’s degree in English and creative writing. Ms. Kroner joined the Department in September, 2016.



Ms. Kroner

## ***Summer Graduates***

The graduates (and their advisors in parentheses) are listed below:

### ***Doctoral graduates***

**Danielle Deemers (Dr. Bill Baker)**

**Yujuan Liu (Dr. Jennifer Lewis)**



Dr. Deemers



Dr. Liu

**Yujuan Liu (Dr. Jennifer Lewis)**

**Stephen Motika (Dr. Xiaodong (Mike) Shi)**



Dr. Motika



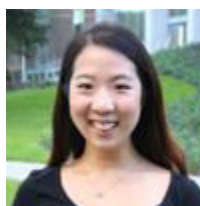
Dr. Sun

**Siqi Sun (Dr. Jiangfeng Cai)**

**Christian Tang (Dr. Li-June Ming)**

### ***Masters Graduate***

**Sean Johnson (Dr. Xiaodong (Mike) Shi)**



Dr. Tang



Mr. Johnson

## ***New Grad student reception***

Ms. **Kaitlyn Kroner** organized and coordinated a reception for the 27 new graduate students on August 7<sup>th</sup> with faculty (11:00-12:00) followed by all available graduate students and faculty at noon. It was held in Traditions Hall, the main meeting room of the Alumni Center.



**NEW GRADUATE STUDENT SOCIAL**  
**MEET WITH NEW GRADUATE STUDENTS**  
**DISCUSS RESEARCH OPPORTUNITIES IN YOUR LAB**

Date: August 7, 2017  
Time: 11:00AM-2:00PM  
Where: Traditions Hall, Alumni Center  
Pizza and Drinks will be provided

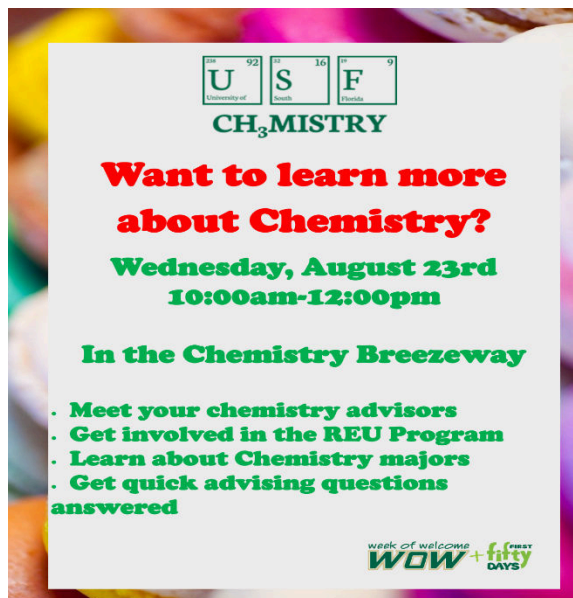
**RSVP**  
Please Respond by Monday,  
July 24, 2017

This was a first such reception in memory.



Faculty and graduate students chatting after lunch. In the right foreground are Drs. Shi, Evans-Nguyen, and Del Valle

## ***WOW events***



**U** **S** **F**  
University of South Florida  
**CH<sub>3</sub>MISTRY**

**Want to learn more about Chemistry?**  
**Wednesday, August 23rd**  
**10:00am-12:00pm**

**In the Chemistry Breezeway**

- **Meet your chemistry advisors**
- **Get involved in the REU Program**
- **Learn about Chemistry majors**
- **Get quick advising questions answered**

week of welcome **WOW** + **fifty** DAYS

(Announcement by Ms. Christina Nelson)

The annual chemistry event is a chance for students in the Department of Chemistry to come and chat with the advisors in a casual setting while getting important information about the various opportunities offered by the Department of Chemistry.

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Thanks to the generous support of the Department of Chemistry, this year's WOW Event was particularly successful as advisors met the many students who had registration questions and who we interested in getting involved with Chemistry under-graduate research and Peer Leading.





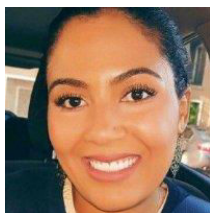
Members of the Chemistry advising cadre

Lauren Harris, Ashley Sowell, Adelia Douglas,  
Shaun Richardson, Becky Cooperman, Brady Beckman  
,Karina Zimmerman, Xavier Ramos

come out and chat with their advisors in a casual setting

## Persons you may know

**Hasnaa Mouttaki** (Ph.D. '15) was a



Dr. Mouttaki

doctoral advisee of Dr. **Mike Zaworotko**. She became a senior R&T Chemist with Albemarle, Baton Rouge, LA.

**Christine Neipert** (Ph.D. '07) is COO at Marquis Medical and Surgical Group (Miami/Ft Lauderdale area). Dr. **Brian Space** was her advisor.

**Akihisa M. Nonoyama** (Ph.D. '04), a doctoral advisee of Dr. **Robert Potter**, is a

Senior Scientist at Liquida Technologies, Apex, NC. This is a biopharmaceutical company that has pioneered a simple, elegant solution to improve the performance of medicines by precisely engineering drug particles. Dr. Nonoyama is a co-author of a publication describing nanoparticle delivery of immunostimulants.

**Brent Podlogar** (Ph.D. '89) was a doctoral advisee of Dr. **Douglas Raber** (Faculty 1970-91). He then held post-doctoral research positions at Washington University in the Department of Pharmacology and Biophysics and the Center for Molecular Design. Subsequently he earned a M.B.A. from Rutgers Business School with an emphasis in macroeconomics.

He held positions at Marion Merrill Dow, Inc. (Cincinnati, 1991-1993) as an associate scientist, with Johnson & Johnson as a research scientist in computer-aided drug design(1993-98), then with The Bayer Corporation (1998-2000) as a senior research scientist in their pharmaceutical division, then with Paratek Pharmaceuticals (Boston) as principal research scientist in drug design and lead optimization.

He was president and drug design consultant of QED Dug Design Flemington, NJ (2003-2005), and finally adjunct professor of chemistry (2006-present) at the College of New Jersey - Ewing.

**Hia Win-Piazza** (Ph.D. '09) is the NMR Facility manager at West Washington University. Her doctoral advisor was Dr. **Mildred Acevedo-Duncan**.

## ***More about Chemistry...***

**Donors to Department of Chemistry:  
January 1 – June 20, 2017**

### **Donors**

Mildred E. Acevedo-Duncan, Ph.D.  
Bill J. Baker, Ph.D.  
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Taylor Lee Bowen  
Joshua W. Broer  
Wesley Harrell Brooks  
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Roderick Clovis Casavant  
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Theresa Evans-Nguyen, Ph.D.  
Kimberly Bliss Fields, Ph.D.  
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Lorene L. Hall-Jennings  
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Celma Mastry Ovarian Cancer Foundation,  
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**N.B.** This list was kindly provided by the CAS Development Office, and at least two names are those of faculty spouses.

We are well and truly grateful for the support of those listed

## Campus News

### More About USF

President **Judy Genshaft**, USF System president, presided at three commencement ceremonies on May 5th and three on May 6<sup>th</sup>. Over 6000 degree were awarded, over 5000 in the Tampa campus. Students came from 43 states and 83 nations.



President Genshaft

Dr. **Judy Genshaft** is cited as co-inventor of patent number D793944 by the U.S. Patent and Trademark office, and is the first USF president to be noted for this achievement.

President Genshaft was also instrumental in the launch of the National Academy of Inventors, Florida Inventors Hall of Fame, and she has supported the continued growth of the USF Chapter of NAI.

Under the leadership of President Genshaft, USF has experienced a notable shift of culture toward the recognition and celebration of academic inventors.

### USF Innovation Enterprise

**Paul Sanberg**, M.D., Ph.D., (Senior VP for Research, Innovation, and Knowledge Enterprise), shared information concerning a survey conducted by Washington Economics

Group that dealt with the impact of USF's Innovation Enterprise.



Dr. Sanberg

- \$400+million statewide impact annually
- \$395+ million estimated annual impact on the Tampa Bay region
- \$224 million added in direct gross domestic product value
- \$149 Million annual household Income produced
- \$52+ million returned in local, state, and federal tax revenue
- Sustains 3,000+ jobs

## ***Acknowledgments***

Ms. **Ann Serota** CAS office of Development kindly provided the list of donors.

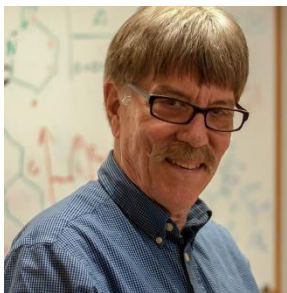
Ms. **Erin Ives** (unit research administrator) organized the research award information.

Mr. **Brant Tudor** for group pictures and Dr. Johnston's,

Mr. **Shaun Richardson**, M.A. for WOW information

## ***News and feedback***

### ***Chair's Address:***



Dr. Wayne C. Guida  
Professor and Chair  
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University of South Florida  
4202 East Fowler Avenue  
Tampa, FL 33620-5205

**Webmaster:** Mr. Brant Tudor



Mr. Tudor

## ***Abbreviations***

**NSF:** National Science Foundation

**PI:** Principal Investigator

**NIH:** National Institutes of Health

**AAAS:** American Association for the  
Advancement of Science

**WOW:** Week of Welcome

### ***News:***

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

### ***News for us or comments?***

Please write to: [dfmartin@usf.edu](mailto:dfmartin@usf.edu)