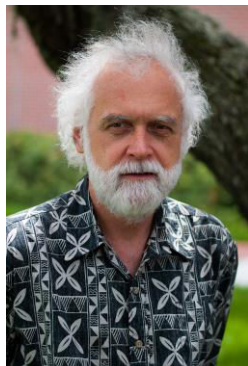


## ***More about Chemistry...***

Dr. **Wayne Guida**, professor and chair, has had the personal and professional pleasure of announcing good news concerning funding:

### ***Funding –I***

Professor **Bill Baker**, who along with Dr. **Michael Teng** (Molecular Medicine) have received a grant of \$200 K from the Florida Department of Public Health to identify antiviral agents effective in combating Zika. The title of the grant is “Rapid Identification of Natural Products with Antiviral Activity Against Zika Virus.”



Dr. Baker

### ***Funding -II***

Prof. Brian Space received a grant through the NSF XSEDE program for use of computational resources. The award will support ongoing work in the Space laboratory on “Simulations of Gas Sorption in Metal-organic Materials.” The estimated value of the award is over \$60K.



Dr. Space

The NSF XSDE program is believed to be the most powerful and robust collection of integrated advanced digital resources and services in the world.

### ***Funding –III***

Dr. **Mildred Acevedo-Duncan** received a 151,300 grant continuation from the William and Ella Owens Medical Research Foundation for her project titled "Effects of ICA-1 on Glioma Proliferation.”



Dr. Acevedo-Duncan

### ***Recognition- I***

A paper co-authored by Dr. **Xiadong (Mike) Shi** and his students was featured as cover art in a February edition of *Chemical*

*Communications.* Their contribution is entitled “Accessing alternative reaction pathways of the intermolecular condensation between homo-propargyl alcohols and terminal alkynes through divergent gold catalysis.”



Dr. Shi

## ***Recognition- II***

**Jackie Fries** ( Ph.D., 2016 ) and Professor **Bill Baker** were honored on April 3rd at the national American Chemical Society meeting (San Francisco) for having published in *Organic Letters*, the most read paper of 2016 of All ACS’s 58 publications.

Bill “skyped” in from Antarctica to participate in the event.



The topic was covered in the winter issue of The newsletter.

Published in May 2016, the article garnered Over 40,000 views (downloads) by The end of December 2016.

For the sake of comparison 10,000 downloads is considered to be a highly read publication. And four months into 2017, the total is over 90,000.

## ***Castle Research Conference***

The 15<sup>th</sup> Conference was held Saturday March 25th with about 150 persons in attendance.

“The Raymond N. Castle Student Research Conference was initiated as a means to encourage undergraduate and graduate students to present their scientific data in a friendly atmosphere. The Castle Conference is organized by the students and provides the opportunity for young scientists to develop the necessary communication skills to excel in the future.”

A noteworthy feature was the representation from other colleges and universities, including contributions from different departments of USF, UCLA, University of Vienna, and three from Puerto Rico.

Dr. **Rigoberto Hernandez**, was the plenary speaker. He is the Gompf Family Professor in the Department of Chemistry at The Johns Hopkins University. He has been Director of the Open Chemistry Collaborative in Diversity Equity (OXIDE)



Dr. Hernandez

Since 2011, and has been notably active in ACS, now servicing on the ACS Board of Directors (2014-2019)

His creative and energetic presentation dealt with aspects of transition theory.

Student participation was notable as

- 12 graduate talks
- 23 Graduate student posters
- 49 Undergraduate posters

A lot of persons helped make the Conference a true success including the following:

*Organizing Committee Members:*

Mr. **Adam Hogan** and Mr. **Douglas Franz** (Co-Chairs) Mr. **Geoffrey Gray**, Ms. **Alekhya Nimmagadda**, Mr. **Chavis Stackhouse**, and Mr. **Brant Tudor**.

Faculty Advisors were Dr. **Kimberly Fields** and Dr. **James Leahy** (below).



L to R: Mr. Douglas Franz, Dr. Kimberly Fields, Mr. Adam Hogan, Mr. Geoffrey Gray, Mr. Brant Tudor, Dr. James Leahy

*Staff members* who assisted included Ms. **Leigh Anne Blackwell**, Mrs. **Cheryl Graham**, Mr. **Ryan Jahn**, Ms. **Linda Lowe**, and Dr. **Christina Nelson**.

*Judging:* Credit the 33 judges from eleven organizations.

*Web support* was provided by Mr. Brant Tudor.

*Sponsors* Tampa Bay section of the American Chemical Society, USF Research and Innovation, USF College of Arts and Sciences, Pro-Copy.

*Participants* represented a variety of organizations, including the University of Florida, Eckerd College, Florida Polytechnic University, University of Tampa, University of Central Florida, H. Lee Moffitt Cancer Center and Research Institute, Florida Southern College, All Saints Academy, and Bristol-Myers Squibb, and, of course, the Tampa Bay Section, ACS.

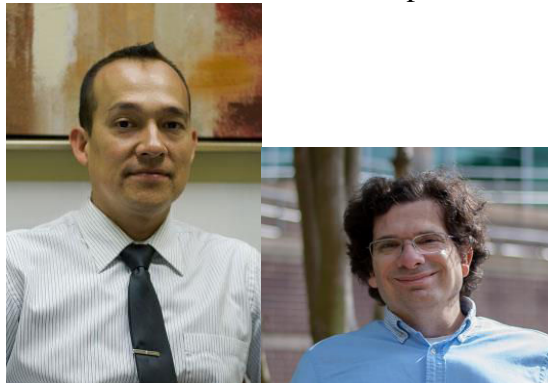
*ACS Tampa Bay Local Section* meeting was held during the lunch hour and open to all. The meeting was presided over by Section Chair, **Crystal Saut**, and included on-screen/oral reports from the section officers, both a novel and highly informative approach.

## **Chemists as Judges**

On March 28<sup>th</sup>, the following Chemists served as judges at the 62<sup>nd</sup> State Science and Engineering Fair of Florida in Lakeland Florida: Drs. **Jhon Figueroa**, **Kenyon Daniel**, and **Wayne Guida** (each judged different categories). Dr. Figueroa judged the Junior Chemistry category, Dr. Daniel was responsible for judging Biomedical and Health Science category, and Dr. Guida judged for the Senior Chemistry category.

Some 12-15 projects were reviewed in the morning by each judge and then a similar number were re-reviewed in the afternoon: a focus group and an orbit group. Projects in

the focus group were selected for awards, whereas re-review of projects in the orbit group allowed the judges to spend more time with the students to suggest ways in which their studies could be improved.



Dr. Figueroa

Dr. Daniel

### ***Martin Lecturer***

The 2017 Lecturer was Professor **Cherie Yestrebky**, Chair, UCF Chemistry, who presented “Using Chemistry and Creativity to Solve Environmental Remediation Problems” She received her doctorate from USF in 1994. Dr. **Chris Clausen** (UCF) and Dr. **Dean Martin** (Faculty, 1964-- ) were her doctoral co-advisors.



Drs. Martin, Yestrebky, and Guida

### ***30<sup>th</sup> Annual Celebration***

The 30th Annual Scholarship and Alumni Celebration was held April 19<sup>th</sup> in the Marshall Student Center Ballroom



Close-up of medallions given to Peer Leaders or Honor Roll recipients

### **Coordination**

Arrangements were made by the Chemistry Office Staff, and Ms. **Kaitlyn Kroner** served as the lead for this event working closely with Ms. **Christine Goldstein** and Ms. **Lanie Funaro** from the College of Arts and Sciences Conference and Planning Office.

Chemistry staff who assisted that evening included Ms. **Leigh Ann Blackwell**, Mr. **Ryan Jahn**, Ms. **Cheryl Graham**, Ms. **Erin Ives**, Ms. **Kaitlyn Kroner**, Dr. **Christina Nelson**, as well as Ms. **Kelly Pearson**, lead Chemistry advisor.

Mr. **Brant Tudor** served as Web master.

Mr. **Rion Sabean** was the photographer.

### **Program**

Dr. **Wayne Guida**, professor and chair, provided opening remarks.

Dr. **Glenn Alan Gates** was the keynote speaker and recipient of the Outstanding



Alumnus Award. He was a doctoral advisee of Dr. **Julie Harmon** and received his Ph.D. in 2001.



Dr. Gates

He is presently a conservation scientist in the division of conservation and technical research of Walters Art Museum, Baltimore, MD.

His visual presentation with accompanying comments was interesting, informative, and inspirational

### **Awardees**

Twenty-three scholarship and recognition awards were awarded to undergraduate students.



Trophies like those that were presented to scholarship and award recipients.

Some 170 students were named to the Honor Roll of achievement.



Some Honor Roll students

The Outstanding Undergraduate Teaching Award went to Dr. **Rong Zhang**, an instructor who teaches some very large STEM course sections.



Dr. Zhang with her award

The USF Chemistry Lifetime Achievement Award was presented by Dr. Guida to Dr. **Dean F. Martin**, who became a faculty member in 1964, and was granted emeritus status in 2006. He has remained active in the department since. Both he and his wife, **Barbara Martin**, were recognized at their table for joint contributions.



Standing Drs. Martin (left) and Dr. Guida

### ***Awards/Recognition –I***

Two Chemistry graduate students were awarded an NSF graduate research fellowship.

Ms. **Fiona Kearns** is a member of Dr. **Lee Woodcock's** research group.



Ms. Kearns



Mr. Peguero-Tejada

Mr. **Alfredo Peguero-Tejada** is a member of Dr. **Arjan van der Vaart's** research group.

### ***Awards/Recognition –II***

**Annual awards were presented April 20<sup>th</sup>**

*Theodore and Venette Askounes Ashford  
Doctoral Fellowship in Chemistry*  
**Adam Aboalroub and Briana Aguila**

*Barbara B. Martin Endowed Fellowship*  
**Olapejeu Bolarinwa**

*Alexiou Award in Environmental Chemistry*  
**Douglas M. Franz**

*The George Bursa Award*  
**Elizabeth Yancy**

*Martin Travel Endowment Awards*  
**Yassin Elbatrawi**  
**Anne-Claire Limon**  
**Jacob Mayers**  
**Andrew Shilling,**  
**Bo Song**  
**Santana Thomas**

### ***In the Department -II***

#### ***Persons you may know***

Dr. **Mildred Acevedo-Duncan**, research professor, was a guest presenter at the February 10<sup>th</sup> meeting of the (CAS) Dean's Advisory Council Meeting. Her talk was entitled "*In-vivo* Effects of ICA-1 on cancer xenografts."



Dr. Acevedo-Duncan

**Maria Gallardo-Williams** (Ph.D. '99), at North Carolina State is the founding editor of the Department of Chemistry newsletter. In addition, she is Teaching Associate Professor and Director, Organic Chemistry Teaching Laboratories.

Ms. **Lorene Hall-Jennings**, former Chemistry staff member, recently spoke with Dr. **Steven Grossman** (faculty 1981-2011), retired biochemist. He is doing well and living in Hernando County.

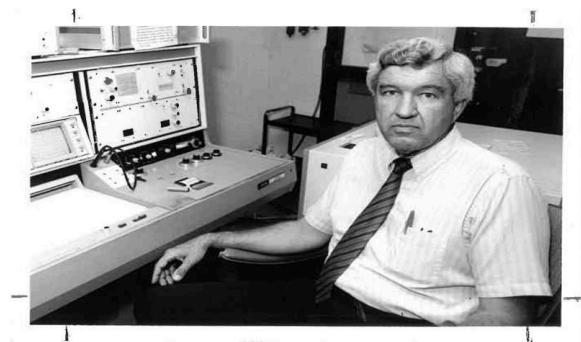
**Jacqueline L. Fries** (von Salm) (Ph.D. 2016) is with CoreRxPharmaceuticals, according to an item published in the April 24<sup>th</sup> issue of *C&CN* showing her at the ACS Booth at the National meeting in San Francisco.

Dr. **Dean F. Martin** (Faculty, 1964-) and Mrs. **Barbara B. Martin** received download information about *Column Chromatography*, which they edited in April 2013. IN TECH (open) reported 30,000 cumulative downloads had made by March 4<sup>th</sup>;40% in the top five countries.

Dr. **Rong Zhang** (instructor) received a USF STEM Ed Travel Grant to attend the Sixth Annual Peer-Led Team Learning International Society Conference. The meeting will be held in Chicago June 1-3. She will share teaching experiences with the peer-leading in Chemistry courses she has taught.

## Obituary

Dr. **George R. Jurch, Jr.**, 82, retired chemistry professor, who served as a member of the organic chemistry division 1966-1997, passed away January 18<sup>th</sup>.



He is survived by his beloved wife, Molly, three children, eight grandchildren and two grandchildren.

Dr. **Wayne Guida** wrote, “I took George’s Physical Organic Chemistry course and he was a first-rate teacher and researcher.”

## Campus News...

### Update

“The USF System is home to a student body of nearly 50,000 representing 130 different countries.”

The USF Unstoppable Campaign has made it possible to award \$426,478 in donor-funded scholarships to 357 students in the USF College of Arts and Sciences last year.



President Genshaft

### About USF –I

Dr. **Judy Genshaft**, USF System President, is the recipient of the Donna Shavlik award at ACE2017.

This award “honors an individual who demonstrates a sustained commitment to advancing women in higher education through leadership and career development, campus climate and mentoring.”

“Throughout her career, Dr. Genshaft has provided invaluable leadership through her insights and dedication to promoting and supporting women on campus and in the community.”

### ***About USF –II***

USF System President **Judy Genshaft** has looked ahead to some major changes in USF’s downtown campus.

“Co-locating our medical school and heart institute will attract more top-tier students and cardiovascular researcher and energize our intent to bring more biotechnology, biomedical, and pharmaceutical firms to this region.”

The future downtown home of USF Health Morsani College of Medicine and Heart Institute will be in a \$152.5 million building that will anchor the \$3 billion development project spear headed by Strategic Partners.

It is estimated that the USF facilities will accommodate 2,275 faculty, staff, and students when it opens late in 2019.

### ***About USF –III***

#### ***Engineering EXPO***

The purpose of the EXPO is to “bring technology out of the classroom and into the

sunshine. This year’s annual event was held February 17-18. It was crowded for good reason: 10,000 visitors. In 2016, 5,000 and in 2015, 4,000, according to a member of the security staff.

The Chemistry Society was out in full force with members wearing white lab coats while in their exhibit area. Dr. **Kimberly Fields** serves as Club advisor.

### ***About USF –IV***

#### **USF Tree Campus Designation**

USF as honored with a 2016 Tree Campus Recognition award by the Arbor Day Foundation. USF’s commitment to “effective urban forest management” satisfied five criteria, including having a tree-advisory committee and dedicated annual expenditures for the Campus tree program.

### ***About USF –V***

#### **Fulbright Scholars Program**

USF was rated the top producer of Fulbright Scholars with 12 for the 2016-2017 period. Ohio State U. and Penn State (University Park) were second, tied at ten each.

Dr. **Darlene DeMarie** was appointed to the position of USF Faculty Fulbright Advisor by Dr. **Roger Brindley**, USF System Vice President, USF World. Her appointment began in February 2014.



## ***About USF –VI***

*Technology and Innovation* (Vol. 18, number 4) provides a history of the National Academy of Inventors that was founded at USF, authored by **Arthur Molella** (Smithsonian Institution). The NAI was created as a result of a luncheon invitation issued by **Paul Sanberg**, M.D., Ph.D., USF senior v.p for research, innovation and economic development. When some 100 colleagues showed up, the NAI was started.

The editor says, “It’s a good read.”



Dr. Paul Sanberg

## ***Abbreviations***

**ACE** American Council on Education

**NAI** National Academy of Inventors

**NSF** National Science Foundation

**XSEDE** Extreme Science and Engineering  
Discovery Environment

## ***Acknowledgments***

Research grant information from Dr. Wayne Guida.

Tree Campus designation story *Tampa Bay Times* staff, February 17<sup>th</sup>.

Fulbright Scholars announcement appeared in the daily version of the *Chronical of Higher Education* on February 19<sup>th</sup>.

Downtown building plans from *Tampa Bay Times*, Business section, page 1, February 26, 2017.

Castle Conference material obtained from the Department Web page, from the conference program, and from committee members.

Background about the “most read” article courtesy Professor Bill Baker.

ACS Tampa Bay Local Section information provided by Ms. Crystal Saut.

Helpful input from our fine alumni.

Dr. Joseph Stanko for a copy of Dr. Jurch’s obituary.

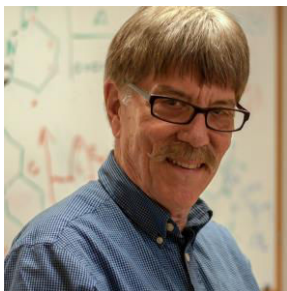
Our outstanding Webmaster for his expertise and patience.

## **News and feedback**

**Web page:**

<http://chemistry.usf.edu>

**Chair's Address:**



Dr. Wayne Guida  
Professor and Chair  
Department of Chemistry-CHE 205  
University of South Florida  
4202 East Fowler Avenue  
Tampa, FL 33620-5205

**Webmaster:** Mr. Brant Tudor



Mr. Tudor

**News:**

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

**Web page:**

<http://chemistry.usf.edu>

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) or share with your favorite faculty or staff member.