Fall 2013

CHEMICAL BONDS

THE UNIVERSITY OF TENNESSEE, KNOXVILLE • DEPARTMENT OF CHEMISTRY

Chemistry Summer Program Awarded NSF Grant

Brandon Hambrick, one of the 2013 Summer REU students working in the lab. Picture by Dylan Platz

THE UNIVERSITY of TENNESSEE
KNOXVILLE
DEPARTMENT OF CHEMISTRY

Contents

New Faculty Addition

Dr. Tessa Calhoun, joined the Department this August as an Assistant Professor of Analytical & Physical chemistry. Calhoun received her Bachelor of Science degree from the Iowa State University in 2005 and obtained her Ph.D. from the University of California, Berkeley in 2010. She then became a Lewis-Sigler Fellow for Integrative Genomics at the Princeton University until she joined the UT Chemistry Department this fall. Calhoun's research probes dynamic interactions at biological membranes. In particular, her group focused on imaging the underlying mechanisms of drug-membrane interactions. Fungal and bacterial membranes are attractive drug targets as they provide a protective barrier between the cell and its environment and control the transport of ions and molecules into and out of the cell. The engineering of novel drugs is limited by an incomplete understanding of how these molecules react to different biological environments. To study these systems in vivo, Calhoun's group use advanced nonlinear optical microscopy techniques.

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Message from **the Head**

The University of Tennessee and the Department of Chemistry currently has an optimism and excitement for the future, the likes of which I have never seen. Capital improvements are in progress in nearly every area of campus. The Department of Chemistry is directly involved in two of these, Strong Hall and the Joint Institute for Advanced Materials (JIAM). As you may recall from the Fall 2012 newsletter, Strong Hall will include new instructional laboratories for general, organic, honors and analytical chemistry. We have been meeting regularly with the design team and plans for these laboratories are evolving. The Strong Hall building site is off of Cumberland Avenue and 16th Street. The presentation of the building along Cumberland Avenue, which is shown above, is striking. The campus along Cumberland Avenue will be transformed in the next few years by three new buildings including Strong Hall, the new Student Center and Science Lab I on Cumberland and 13th. JIAM is the first building on the new Cherokee campus off Alcoa Highway near the UT hospital. I would encourage you to drive by this site sometime and see the progress for yourself. I think you will find that the view of the bend in the river from the JIAM site is stunning. While facilities are critical to the function of the University, education of students is our core mission and our faculty and staff strive for excellence in meeting that goal. I continue to be impressed with how our faculty, students, and their achievements continue to improve. I hope you are too, as you read through this newsletter. - *Charles Feigerle*

Chemistry Faculty and Students Lauded at Chancellor's Honors

Date: 04/09/2013

The Chancellor's Honors Banquet is held each spring to recognize students, faculty, staff, and friends of the University of Tennessee for their extraordinary achievements. The 2013 banquet was held April 8th at the University Center. Following chemistry faculty and students are recognized during the banquet.

Professor George Schweitzer received a Citation for Success in Multidisciplinary Research.

Rachel Narramore received a Citation for Extraordinary Academic Achievement.

Burton Mandrell received a Citation for Extraordinary Professional Promise.

The Banquet program also announced that Desta Bume, a College Scholar working with Professor Craig Barnes as one of the winners of a EUReCA award.

Chemistry Summer Program Awarded NSF Grant

Dr. Michael Best (Left) and Dr. Shawn Campagna (Right)

Date: 07/03/2013

UT Chemistry Department has been offering critical research and professional development skills to undergraduate students through its summer program for more than 10 years. This year the program was awarded a three-year-grant from the National Science Foundation (NSF) and is officially recognized as a site for Research Experiences for Undergraduates (REU).

Chemistry professors Michael Best and Shawn Campagna are the two principal investigators of the NSF proposal. "Our REU summer program is designed to provide participating students with the skills necessary to be successful in graduate school, which are very different than those that are required for undergraduate studies." Best said, "Students participate in a cutting-edge research project and develop laboratory skills, improve their ability to communicate their research project and results, and learn about the different career opportunities that are available pertaining to chemical research."

REU at UT Chemistry is a 10-week program during which the students work with a research group and are mentored by faculty members inside the Department through research projects and interactive workshops. Student participants will receive $5,000 stipend and free housing on campus. Workshops include weekly seminars, safety, ethics training and resume, career preparation training. This year's program also included site visits to Oak Ridge National Lab and Eastman Chemical Company in Kingsport, TN.

"NSF funding allows us to significantly expand the program, both in terms of the number of students that we can accommodate as well as the scope of programs and workshops that we can offer participating students." said Campagna.

Besides expansion of the program, UT Chemistry REU also partnered up with Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) to reach out to first-generation college students and students from underrepresented groups.

Application to the program was open to all undergraduate students throughout the United States. Through a competitive selection process, 9 students were admitted into this year's program.

"I have learned a variety of things from participating in this year's summer research program thus far. It has changed my entire outlook and attitude toward chemistry and science as a whole." said Gabriel Webber from the Alabama State University.

Another participant Jessica Ellett from the University of North Georgia felt the same way. "I thought I knew a pretty decent amount when I first came here, but I have learned so much more, about the graduate work, what it's like to be in a professional lab, and the expectations of required of professional scientists." said Ellett. "It has been a wonderful experience, one that I know will help me greatly in the days to come."

An important aspect of this year's program is the addition of a science journalism student, Dylan Platz, who rotates among the labs, shadowing REU participants, participating in research, and preparing written articles about participants and the program. "As the REU Science Writer, I'm allowed to be in every lab--getting a first-hand look at every student's research." Platz said, "It's an extremely fun time seeing how different kinds of labs are run and how the research is conducted. The REU experience has been great all summer and I expect it to finish up strong."

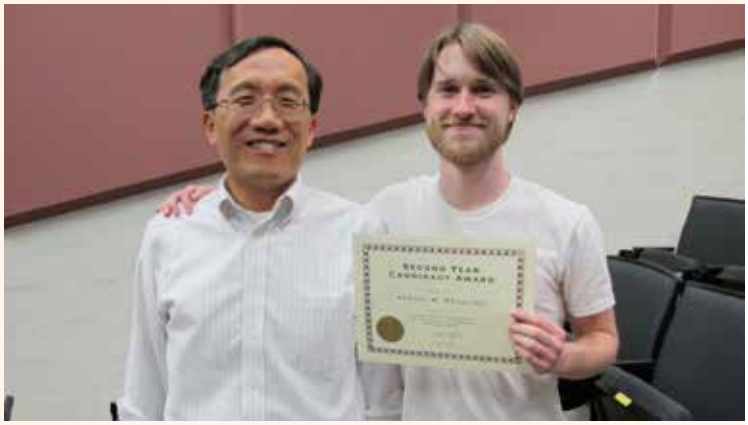
See more media coverage of our REU online:
https://www.chem.utk.edu/reu/program.html

- Pfeiffer student studies methods for cell growth
- Asmita Shrestha, C'14, Conducting Summer Research at UT-Knoxville
- Summer of science: Harrison, Tenn., teen one of 8 selected for prestigious program at UT
- Sweetwater High grad on cutting edge
- Local student selected for science program

Chemistry Department Held 2013 Honors Day

Date: 04/29/2013

The Chemistry Department held its 2013 Honors Day on April 29 in Buehler Hall 555 to honor students, staff and faculty members for their academic achievements, service to the department as well as their teaching and research achievements. Dr. Arlene Allen Garrison, Vice President of the Oak Ridge Associated Universities, attended the event as the guest speaker.



Graduate student Sam Rosolina (right) and his mentor Professor Ben Xue (left)

UNDERGRADUATE AWARDS

- CRC Press General Chemistry Award - Beini Chen
- C. W. Keenan Outstanding General Chemistry Student Award - Sara A. Stein
- Dr. Lucy E. Scroggie Scholarship - Russell T. Smith
- C. A. Buehler Chemistry Scholarship - Desta D. Bume
- East Tennessee Section, ACS, Award - Burton K. Mandrell
- Hach Foundation Scholarship - Maria C. Owens
- Melaven-Rhenium Scholarships - Desta D. Bume, Christopher E. Freye, Karson N. Lurie, Brittany L. Skyberg, James R. Smith, Russell T. Smith, Benjamin T. White
- Honors Chemistry Recognition - Zachary R. Austin, Nathan P. Crilly, Phoebe E. Fogelman, Phillip Mingola, Robert W. Pedersen, Eric J. Oberding
- Chancellor's Honors and Office of Research Summer Internships - Nicholas A. DiLoreto, Andrew P. Moss, Alexander C. Parrott, Brian R. Poore
- Chancellor's Honors Extraordinary Academic Achievement - Rachel Naramore
- Chancellor's Honors Extraordinary Professional Promise - Burton K. Mandrell
- Office of Undergraduate Research EURēCA Award - Desta D. Bume

STAFF AWARDS

- Outstanding Service Award - James A. Murphy, Linda C. Sherman
- Carol Moulton ACGS Service Award - Art D. Pratt
- James F. Green ACGS Service Award- Rachel Rui

GRADUATE AWARDS

- Second Year Candidacy Award - Samuel M. Rosolina, Hubert K. Turley
- Outstanding Teaching Awards -Tanei J. Ricks, Brian E. Sundahl
- Judson Hall Robertson Fellowship in Analytical Chemistry - Vighter O. Iberi
- Graduate Fellowship for Achievement in Inorganic Chemistry - Christopher R. Murdock
- Jerome Eastham Fellowship in Organic Chemistry - Yundi Gan
- East Tennessee Section, ACS, Graduate Fellow - Peng Chen
- Joint Institute of Neutron Sciences Fellowships - Seth C. Hunter
- Eastman Chemical Company Fellowship Award - Weiyu Wang
- Winners of the Board of Visitor's Poster Competition - Vighter O. Iberi, Tara M. Michels-Clark

FACULTY AWARDS

- NSF Career Award - Dr. Jon P. Camden, Dr. David M. Jenkins
- Chancellor's Award for Interdisciplinary Research - Dr. George K. Schweitzer
- College of Arts & Sciences: Junior Faculty Research and Creative Achievement Award - Dr. Jon P. Camden
- Extraordinary Service to the College as Director of the Govenor's School for Science and Engineering (1994-2012) and Science Olympiad State Tournament (2008-2012) - Dr. Jeffrey D. Kovac
- Tennessee Louis Stokes Alliance for Minority Participation: Faculty of the Year for professor/ instructor for outstanding academic instruction and service - Dr. Christiane Barnes
- American Association for Advancement in Science Fellows - Dr. Jimmy W. Mays, Dr. Alexei P. Sokolov
- American Chemical Society Fellow - Dr. David C. Baker
- New Faculty - Dr. Steven R. Neal
- Gleb Mamantov Professorship in Chemistry - Dr. Jon P. Camden
- Ziegler Professor Announcement - Dr. Michael D. Best

Professor and Associate Department Head Frank Vogt (right) presents an award to second year graduate student Tanei Ricks (left)

Faculty Highlight

Jeffrey Kovac Honored by the College of Arts and Sciences

Dean Lee Presenting Award to Jeff Kovac April 6, 2013

Date: 04/15/2013
By Lynn Champion

On Saturday, April 6, Theresa Lee, dean of the College of Arts and Sciences, presented an award on behalf of the college to Jeffrey Kovac, professor of chemistry, acknowledging his extraordinary contributions to pre-collegiate STEM (science, technology, engineering, and mathematics) education in the state of Tennessee through his long and distinguished service as director of the Tennessee Governor's Schools for Sciences and Engineering (1994–2012) and Tennessee Science Olympiad State Tournament (2008–2012).

Lee said Kovac's talents as an educator in the undergraduate and graduate classrooms found expression beyond the traditional university classroom through his leadership of these two programs designed to educate pre-collegiate students. At a time when improving STEM education has become both a state and national priority, Kovac has been a leader in the college and the university in STEM education and successfully led these two important statewide STEM educational initiatives for a number of years.

"Jeff's leadership of these programs has produced remarkable outcomes and touched many students," Lee said. "We are very grateful for his service on behalf of the college."

As director of the Governor's School for the Sciences and Engineering, Kovac designed an appropriate curriculum and complementary co-curricular activities for 100–150 of Tennessee's best and brightest students each year, recruiting appropriate faculty instructors and teaching at least one seminar himself. His steadfast commitment to educational excellence, passionate advocacy for pre-collegiate education, skillful negotiation, and documentation of student success enabled the university to obtain a total of $4,424,058 in funds and contracts to sponsor the program and provided a high-quality academic educational experience for more than 2,000 talented Tennessee high school students. One scholarly publication stems from his work in pre-collegiate education: Scientific Ethics for High School Students, co-authored with P. A. Frase and L. M. Barden.

In 2009, Kovac was invited to direct the Tennessee Science Olympiad State Tournament. For each year that he served as director, Kovac recruited and trained dozens of event coordinators and more than fifty student volunteers for the one-day event that brought thirty-six teams of middle school and high school students to campus to compete in twenty-three individual events per division. About 1,000 students participated each year. Kovac's knowledge of pre-collegiate education and administrative experience was a critical factor in the planning and execution of highly successful tournaments throughout his tenure as director.

Science Olympiad is a powerful program for introducing middle and high school students to science and engineering concepts and their applications through competitive events, but the number of schools in Tennessee that participate is much smaller than in comparable states. As a member of the Tennessee Science Olympiad Board of Directors, Kovac took a leadership role on the board to expand participation by schools in Tennessee.

Kovac earned a PhD in 1974 from Yale University. After completing two years as a postdoctoral research associate at the Massachusetts Institute of Technology, he joined the Department of Chemistry at the University of Tennessee, Knoxville, in 1976. In the course of his career here, he earned tenure and then promotion to full professor and has become an all-around successful member of the academic community. His outstanding academic career has been an integration of his excellence in research, teaching (including advising and mentoring students), and outreach and public service. While serving as the director of the undergraduate instructional program in the Department of Chemistry and carrying a regular faculty load, he has maintained an active program of scholarship that includes the publication of six books, eight chapters of books, more than seventy articles, and more than fifty book reviews.

Numerous campus awards acknowledge his success in the university's missions of teaching, research, and outreach. Among the awards he has received are the College of Arts and Sciences Advising Services Award, the College of Arts and Sciences Academic Outreach Award, and the College of Arts and Sciences Senior Faculty Teaching Award. At the campus level, he has been awarded the Chancellor's Citation for Excellence in Teaching, the L. R. Hesler Award for Superior Teaching and Outstanding Service, the Chancellor's Award for Excellence in Advising, the Chancellor's Award for Academic Outreach and Engagement, and the University Honors Program Outstanding Service Award.

Professor Christiane Barnes Received TLSAMP Faculty of the Year Award

Date: 04/16/2013

Professor Barnes (middle) receives award

Professor Christiane Barnes, lecturer and Director of General Chemistry in the Chemistry Department, was awarded Faculty of the Year during the 3rd annualTennessee Louis Stokes Alliance for Minority Participation (TLSAMP) Awards Banquet hosted in the University Center Ballroom on Monday, April 15 at 6pm.

More than 50 faculty, staff and TLSAMP scholars participated in the Awards Banquet. Barnes was nominated by Chandler Wallace, a senior in biomedical engineering, describing her as a professor who is making learning fun and interactive. “She is very passionate about Chemistry and it shows through lectures and effort brought to the classroom.” Wallace wrote in his nomination.

Born in Germany, Barnes came to the University of Tennessee in 1986 and obtained her Master’s Degree in Chemistry in 1988. She went back to Germany and received her Ph.D. degree in 1991 from the University of Bonn. Barnes then returned as a post-doc working in Dr. Baker’s chemistry lab in 1992, and served as an Editorial Assistant for the journal, Carbohydrate Research, during 2000-2011. She started her teaching career in the Department in 1993.

Awards also given out during the banquet included SHPE Awards, NSBE Awards, Outstanding Volunteer, Outstanding Research, Freshman of the Year and Scholar of the Year. TLSAMP is a program founded by the National Science Foundation (NSF) to increase the enrollment and graduation rate of underrepresented students (Hispanic, African-American, American-Indian, Alaskan Native, and Pacific Islander) in science, technology, engineering and mathematics (STEM). The University of Tennessee is one of six colleges and universities to receive a five-year grant from TLSAMP, which represents one of 41 such programs sponsored by the National Science Foundation (NSF).

Professors Long and Best Received eVOL10 Service Awards

Date: 08/15/2013

Professors Michael Best (first from left) and Brian Long (first from right) with eVOL10 students at awards ceremony

Chemistry Professors Brian Long and Michael Bestrecently received Service Awards from the College of Engineering for their participation in the Engineering Volunteers for Tenth Graders (eVOL10) Program 2013, a program designed to introduce tenth graders to applied sciences and raise their awareness of careers in STEM disciplines including chemistry and engineering.

A total of 32 students participated in this year’s program. Long and Best provided the participating students with Chemistry 101, graduate student support, instruction, and walked them through Chemical Car Design Projects. For the project, students designed and built their own vehicles that were propelled through the combination of sodium bicarbonate and acetic acid. A competition was held at the end of the program, and impressive distances of travel above 35 feet were attained by student groups. In the program feedback survey, all of the students considered the experience to be “fun” and “rewarding”.

Evolved from a previous program: Introduction of Sophomores To Engineering Principles (INSTEP), eVOL10 is a one-week summer program started in 2013. It introduces participants to applied sciences and ACT math preparation, and provides opportunities for them to compete in challenges involving the interplay between chemistry and engineering, and tour an engineering industrial plant. The program was provided to students at no major cost and is projected to continue in future years.

Student Feature

Weiyu Wang Received Eastman Fellowship

Date: 04/25/2013

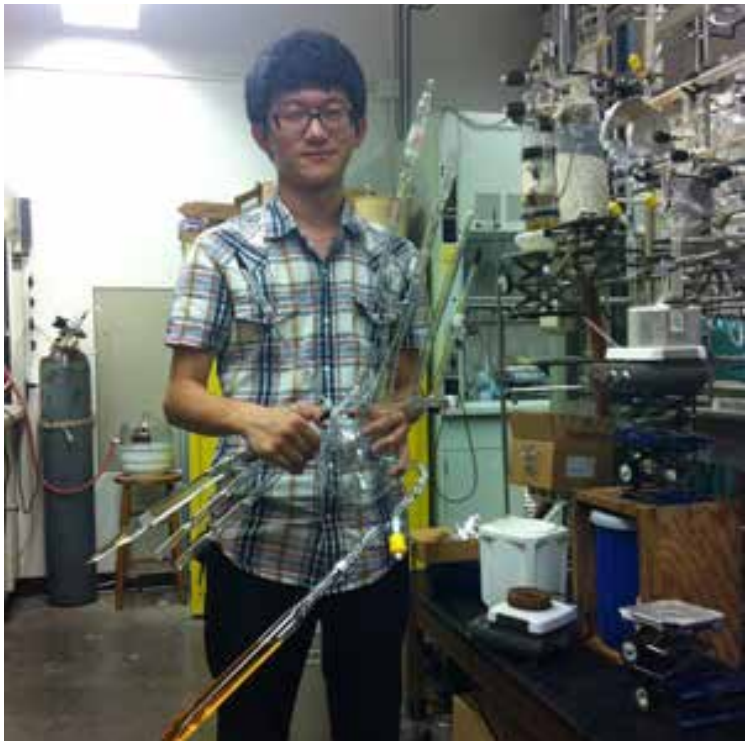
Weiyu Wang, a chemistry graduate student in Professor Mays' group received the 2013 Eastman Chemical Company Summer Fellowship.Established in 2001, the Eastman fellowship is designed to assist students in their research as well as help Eastman identify top performers who are in the early stages of their graduate careers.

Each year, selected universities are requested to submit nominations of students and encourage them to apply. A team of scientists from Eastman then rank all of the applications and award either a travel grant or a full fellowship to several applicants. Wang received one of the three nation-wide full fellowship this year.

"Weiyu stood out as a candidate because the team felt he was a rising star." Dr. Peter Chapman, Eastman Senior Chemist commented, "At this early stage in his career, he already has contributied to 3 publications. He also is developing a very broad knowledge of polymer synthesis and characterization techniques. Based on his early career performance, the team felt that Weiyu has a lot of potential as scientist."

While excited to receive the fellowship, Wang is thankful for all the help he received from his mentors and staff in the Chemistry Department. "I'm sincerely grateful to Dr. Mays and Dr. Kilbey for the support they give to me and also Mr. Tom Malmgren for his help of polymer characterization." said Wang.

Born and raised in a small town Baiyin in northwest of China, Wang attended Hunan University as a chemistry undergraduate student in 2007 and started research during his undergraduate studies. He participated in two projects in the field of Surface Enhanced Raman spectroscopy and gold nanoparticles and co-published three papers in different journals. After graduation in 2011, Wang applied to the University of Tennessee Knoxville and joined Professor Mays' research group. His research is now focusing on the project "*Role of chain microstructure and branching on solution and thin film phase behavior*".

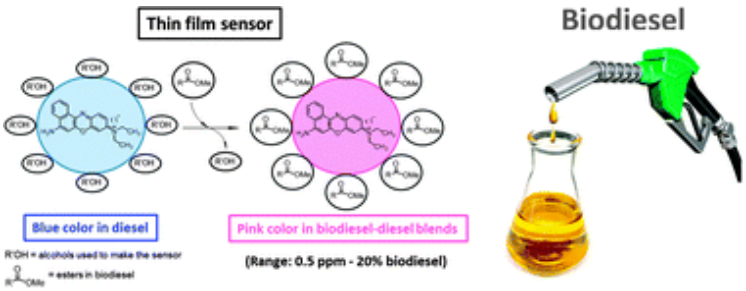


Weiyu Wang

Previous recipients of Eastman Chemical Company Summer Fellowship from UT

- 2008 - Michael Gilbert Full Fellowship (Dr. Frank Vogt)
- 2011 - Rebecca Horton Travel Grant (Dr. Frank Vogt)
- 2012 - Christ Bennett Travel Grant (Dr. Jon Camden)
- 2013 - Weiyu Wang Full Fellowship (Dr. Jimmy Mays)

Xue Group Paper Featured in Biodiesel Magazine and C&EN



Xue Figure1

Date: 09/02/2013

Jonathan Fong, a graduate student in the Chemistry Department and his mentor Professor Xue published a paper "*A dye-doped optical sensor for the detection of biodiesel in diesel*" in Chemical Communications. Findings in this paper are well-received and the significance of the study is highlighted in Biodiesel Magazine.

Read the full article: http://www.biodieselmagazine.com/articles/9272/tenn-researchers-develop-5-ppm-fame-detector-for-jet-fuel

Findings from the same research are also featured in the most recent American Chemical Society Chemical & Engineering News. http://cen.acs.org/articles/91/i37/Keeping-Watchful-Eye-Biodiesel.html

First Year Graduate Student Gives Talk at Alma Mater

Date: 06/17/2013

Tanei Ricks, a first year graduate student at Professor Best's group went back to his Alma Mater in Georgia Regents University (GRU), on Wednesday, June 12 to give a talk about graduate school preparations to students in the Summer Scholars Program sponsored by the NSF through CURS (Center for Undergraduate Research and Scholarship) at GRU.

Ricks was invited by Dr. Andy Hauger, director of the summer program, as an alumnus and former recipient of the Savannah River Scholarship (SRS). Ricks was also the first person to graduate from the SRS program and the only one to go to graduate school so far. Around 20 students attended the talk. Tanei shared his experiences at the UT Chemistry Department and concentrated on graduate school preparation.

"I feel like I've learned and progressed so much in the year since I've left," said Ricks, "I feel like I was very well prepared by GRU to handle the pressures of grad school and perform at a high level so it was nice to come back and share my first-year experiences with other students who are considering going down this road as well."

Tanei Ricks (first from right) with students at GRU

Ricks joined UT Chemistry Department in 2012 and is now pursuing a Ph.D. in Professor Best's group. His current research emphasizes on synthesizing inositol probes to study biological systems using click chemistry. Ricks recently received a PEER Fellowship.

Tatiana Brinzari Published Two Papers in PRL

Date: 08/27/2013

Tatiana Brinzari, a recent Ph. D. graduate from Professor Musfeldt's group, published two papers "*Quantum critical transition amplifies magnetoelastic coupling in* $Mn[N(CN)^2]^2$" and "*Electron-phonon and magnetoelastic interactions in ferromagnetic* $Co[N(CN)^2]^2$" in Phys. Rev. Lett (PRL) that emanate from her thesis work.

Brinzari grew up in Chisinau, Moldova and received her undergraduate degree of inorganic chemistry from Moldova State University (MSU) in 2005. Upon obtaining her master's degree in chemistry from MSU, Tatiana joined Dr. Musfeldt's group in 2007. Since then, her research focused on magneto-optical spectroscopy of multifunctional molecule-based materials and novel oxides. Brinzari published a dozen papers in journals such as PRL, Inorg. Chem, and Phys. Rev. B during her time at UT.

Professor Musfeldt, Brinzari's mentor, enjoyed working with her. "Tanea is a very gifted young lady, and it has been my pleasure to work with her during her PhD. These publications in PRL are very much deserved." said Musfeldt.

Graduated with a Ph.D. degree last December, Brinzari is now a postdoctoral associate in the Department of Physics and Chemistry at the University of Florida, Gainesville.

April 2013, Professor Musfeldt (second from left)'s group in front of 45T Hybrid Magnet System they used in research. Tatiana Brinzari (second from right). Their host/collaborator in NHMFL: Steve McGill (third from right).

Organic Chemistry Parody

To help "increase student engagement, encourage learning, advance test scores, and to just have fun in what has become a dreaded class to many students," UT Organic Chemistry professor Brian Long gave his students a very interesting extra credit assignment: create videos about chemistry parodying favorite songs. Some students went old school, using songs such as "Push It" and "Sweet Cherry Pie," while others were more Top 40, parodying "Thrift Shop" and "Some Nights." All 17 of the submitted videos can be seen on the Chem 350 Parody Project YouTube page: http://www.youtube.com/user/music7625.

View original article on Tenn TLC team web site http://tenntlc.utk.edu/videos/

Here are screen shots of some of the videos:

Chem 350 Parody Project - Push It

167 views 5 months ago

Chem 350 Parody Project - Shift Shop

144 views 5 months ago

Chem 350 Parody Project - Like Dr. Long

129 views 5 months ago

Chem 350 Parody Project - As Long As You Name It

181 views 5 months ago

Chem 350 Parody Project - Memorize

53 views 5 months ago

Chem 350 Parody Project - Mech Shop

49 views 5 months ago

Alumni News

Chemistry BoV Chair Elected as President of ACS

Date: 08/05/2013

Dr. Diane Grob Schmidt, an UT Chemistry alumna and the Chair of the Chemistry Department Board of Visitors, will be President-Elect, 2015 President and 2016 Immediate Past President.

With more than 163,000 members, ACS is the world's largest scientific society, and a non-profit organization, whose members represent professional at all degree levels and in all fields of chemistry and sciences that involve chemistry. Since 1876, over 120 individuals have been identified with the title of President of the ACS.

Currently a Section Head in R&D at The Procter & Gamble Company in Cincinnati, Ohio, Schmidt received the prestigious ACS Henry Hill Award in 2012, and has been serving an active leadership role in ACS for over twenty years. She has chaired or served on more than 20 ACS task forces and working groups that have helped advance the profession. In addition she was elected to the ACS Board of Directors [2002-2010] and the ACS Board Executive Committee.Schmidt currently serves as a Director-at-Large of the Board of Directors at the Oak Ridge Associated Universities.

A press release can be found on C&EN: http://cen.acs.org/articles/91/web/2013/11/Industry-Chemist-New-ACS-President.html

Dr. Diane Grob Schmidt

A GENERAL THANK YOU TO OUR DONORS

The Department of Chemistry would like to extend a thank you to the alumni and friends of the Department who help support the Department in it strategic plan of education, scholarship, and research.

The Chemistry of Giving Back

Don Eisenberg
New Director of Development for the Department of Chemistry

I am delighted to be working with the Department of Chemistry! My desire is to assist alumni and friends to find their passion in the department, and to support students or faculty, help fund equipment or labs or impact in other areas. If you would like to join me and others in making a difference by investing in lives at UT, I would welcome your call at 865-974-2504, or via email: don@utfi.org

How do I Make a Gift or Pledge?

Getting started is as simple as one click. You can go to the University Alumni Web Site: volsconnect.com then click on "Giving". Choose "Make an Online Gift" option and follow the instruction to start the giving process. Fill in the total gift amount first, then in the Designations part, please click the arrow beside "College Fund for Arts & Sciences". You will see a list of departmental level funds. Then choose "Chemistry Enrichment Fund" and click "Continue". Then please fill out your information and hit "Next" to start the giving process online.

You can also contact the College of Arts & Sciences Development Office at (865) 974-2365, or contact Don Eisenberg, Director of Development at don@utfi.edu, (865) 974-2504.

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Calendar

Spring 2014

Classes Begin	Jan 08
MLK Holiday	Jan 20
Spring Break	Mar 17-21
Spring Recess	April 18
Classes End	April 25
Exams	April 29,30, May 1,2,5,6
Commencement	May 7-10

Fall 2014

Classes Begin	Aug 20
Labor Day	Sept 1
Fall Break	Oct 16-17
Thanksgiving	Nov 27-28
Classes End	Dec 2
Exams	Dec 4,5, 8-11
Graduate Hooding	Dec 12
UT Commencement	Dec 13

Contact Information

Senior Administration
Dr. Charles Feigerle,
Department Head
Dr. Frank Vogt,
Associate Department Head

Administration

Main Office	974-3141
Business Office	974-3393
Electronic Shop	974-3145
Communications	974-8019

Program Divisons

Organic, *Dr. David Baker*	974-1066
Inorganic, *Dr. Ziling (Ben) Xue*	974-3443
Analytical, *Dr. Michael Sepaniak*	974-8023
Physical, *Dr. John Larese*	974-3429
Polymer *Dr. Jimmy Mays*	974-0747

Research Centers

NMR Facilities	974-3386
PCL Lab	974-2087
Mass Spectrometry	974-0763
Raman Facilities	974-3141
X-ray Facilities	974-3141

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