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A Celebration of the Contributions of the Coates Family

After much planning and anticipation, members of the Department of Chemistry, the Department of Physics & Astronomy, the Cain Department of Chemical Engineering and the LSU Graduate School gathered with descendants of Dean Charles E. Coates (1886-1939) for a special celebration on Thursday, March 16th, 2017.



Photo: President King Alexander, Susan Spiller, Jane Spiller, Judi Dorfi, Charles H. Coates, Dean Cynthia Peterson, Dean Michelle Massé, Dean Judy Wornat.

In addition to the four grandchildren in the above photo, two great-grandchildren were in attendance: Anna Katherine Bardwell (and her husband Scott) and Elizabeth Spiller.

The event was inspired by the donation of Coates' restored plantation desk to the Department of Chemistry. At 8 am, family members gathered with LSU administrators for a light breakfast and to see the desk in its new location, the current Chair's Office in 232 Choppin Hall. The official portrait of Dean Coates has been retrieved from the LSU Archives and now hangs on the office wall opposite his desk.

President Alexander welcomed everyone and thanked the family for the contributions of the Coates Family and the legacy of Dean Coates.

A nephew of Dean Coates, George Hunter Coates, was a student at LSU and lived with his aunt and uncle in Baton Rouge. He graduated in 1918 and went on to found Coates Energy. In gratitude to his

uncle, George Coates established the Dr Charles E. Coates Memorial Fund that supports graduate student research and travel to this day.

A symposium was held in the Grand Salon of the French House from 9 am to 12 pm. Dean Michelle Massé welcomed attendees while a slideshow of the Coates family and the history of Chemistry at LSU played in the background. There were three shorts talks by graduate students - representing the three beneficiary departments - Ms Bijeta Prasai (Chemistry, McCarley Group), Dr Eva Caspary (Chemical Engineering, Wornat Group) and Mr Kundan Kadam (Physics & Astronomy, Clayton Group). Dean Cynthia Peterson spoke briefly on "A Culture of Philanthropy for LSU." Associate Professor Donghui Zhang (Chemistry) was chosen to deliver the keynote address on her research in polypeptoids.



Photo: The plantation desk that belonged to Charles Edward Coates

A lunch, organized and prepared by Department of Chemistry staff, was served in the Benjamin P. Boussett Conference Room on the first floor of the Chemistry and Materials Building. During the lunch, two students from each beneficiary department presented posters. Full details of the program, abstracts and biographies of presenters can be accessed on the Chemistry Department's website.

Rainmaker Trilogy

Each Spring, LSU's Office of Research & Economic Development, in collaboration with the Campus Federal Credit Union and the Council on Research selects "rainmakers" at three different career stages. There are parallel awards in STEM (Science, Technology, Engineering & Mathematics) and Arts, Humanities and Social or Behavioral Sciences. The awards recognize "faculty who show outstanding research, scholarship and creative activity for their respective rank and discipline." We are pleased to report that all three STEM awards went to Chemistry faculty members in 2017!

Assistant Professor Rendy G. Kartika (Emerging Scholar Award):



Dr Kartika's research interests lie in the field of synthetic organic chemistry. Since joining LSU in 2011, he has published 12 papers in top tier journals, recounting his research group's advances in asymmetric synthesis enabled by carbocationic intermediates and studies towards chlorosulfolipid natural products. Two students have already received PhDs from the Kartika Group and six are currently working toward that goal. Dr Kartika is appreciated as much by his colleagues across the country as his Chem2262 (Organic II) students for his charismatic lecturing style. He has already received funding from the NSF and his promotion to Associate Professor will take effect in August. Kartika was also recently named as the recipient of an LSU Alumni Association Rising Faculty Award and the Phi Kappa Phi Non-Tenured Faculty Award in Natural and Physical Sciences.

Associate Professor Donghui Zhang (Mid-Career Scholar Award):



Dr Zhang joined the Department in 2007 and has established herself as an innovative researcher in the field of bio-inspired polymers. She is a leader in the field of polypeptoids, non-natural analogs of peptides; her name is essential on the list of any symposium in the area. She has published 32 papers in less than a decade at LSU. She received a Ralph E. Powe Junior Faculty Enhancement Award in 2009 from the Oak Ridge Associated Universities and an NSF CAREER Award in 2010. She is a coinvestigator on the DOE EPSCoR program, "Building Neutron Scattering Infrastructure in Louisiana for Advanced Materials." Her most recent funding coup is a single PI grant from the NSF Division of Macromolecular, Supramolecular and Nanochemistry (MSN) for a project focused on amphiphilic coil-comb block copolymers.

Professor Kermit K. Murray (Senior Scholar Award):



Dr Murray began his independent career at Emory University and moved to LSU in 2001. He was recently named the Roy. P. Daniels Professor of Chemistry. He has been making major contributions to bioanalytical chemistry for more than two decades. The current thrust of Professor Murray's work is the combination of several techniques into one, showing both technical expertise as well as a drive to solve real problems, viz. imaging proteins in tissues at the cellular and sub-cellular level. This is an exceedingly challenging problem given the extremely small sample sizes and the complex biological matrices involved. Dr Murray has been consistently well funded throughout his career, however in 2016, he experienced very heavy "rainfall," including a new grant from NSF's Instrument Development for Biological Research (IDBR) and a Phase II Small Business Technology Transfer (STTR) grant from NIH.

Our People – This Summer

Chemistry majors will be out and about this summer gaining valuable scientific and professional experiences.

Madeleine LeBlanc (Class '18) will be participating in the LSU Teaching in Chile program through the School of Coast and Environment. She'll be teaching Chilean elementary and middle students about environmental chemistry in English, in both the classroom and the lab and planting marsh grass.

Angelie Matar (Class '19) will be part of the Research Experience for Undergraduates at the University of Maryland Baltimore County with Professor Zeev Rosenzweig (formerly of UNO) in the area of chemical sensing and imaging.

Catherine Morejon-Garcia (Class '18) will be part of an REU at Texas A&M where she will work on polypeptoids in the lab of Professor Karen Wooley.

Heidi Nowakowski (Class '18) will be at Pacific Northwest National Labs (PNNL) in Richland, Washington as part of the DHS HS-STEM Summer Internship Program. She will participate in a forensic chemistry program working with Dr John Cort, Team Leader in Integrative Omics.

College of Science Hall of Distinction

On March 31st, the College held its annual Hall of Distinction Ceremony and Banquet. The Hall of Distinction celebrates individuals who make significant contributions to science, business, academia, or government as well as to their community. This year, two retired members of our Department were honored.



Professor Neil R. Kestner

From a one room elementary school in Durham Hill, Wisconsin, via the University of Wisconsin, Milwaukee (BS) and Yale University (MS and PhD), the University of Chicago and Stanford University, Neil Kestner joined the faculty at LSU in 1966 as an Associate Professor. He was promoted to Professor in 1972, and became the Charles H. Barré Professor of Chemistry in 2000.

Since retiring in 2004, he has continued to be a source of institutional wisdom and memory.

Professor Kestner's research interests are in the field of theoretical chemistry. Specifically, he has been concerned with accurate quantum chemical calculations of intermolecular forces, quantum statistical mechanics, the study of electronic correlation in molecules and the stability of small clusters, especially those bearing a negative charge. He has pursued the theory of excess electrons in fluids and disordered solids and electron transfer processes vis-à-vis solar energy conversion.

He engaged actively in his scientific community, giving many invited lectures and participating in conference organization. In the 1970s, two books were co-authored: "Theory of Intermolecular Forces" with Henry Margenau and "Electrons in Fluids" with Joshua Jornter. A general theme of Kestner's work has been the application of microcomputers and supercomputers to chemical research, with an emphasis on visualization and parallel processors. These interests have spilled over into the educational arena, with Professor Kestner being an early proponent of using the internet for distance learning and publication of scientific articles. He was a team member of a working group called "Transition from Paper," funded by the Camille & Henry Dreyfus Foundation and the AAAS, to consider issues associated with electronic publishing.

Amongst his contributions to education, Professor Kestner is proud of his role as Co-Director of the chemistry component of MERLOT (Multimedia Educational Resources for Learning and Online Teaching). During his years as a classroom teacher, he taught freshman chemistry, physical chemistry, mathematical methods, quantum chemistry, statistical mechanics and advanced topics in physical chemistry.

Professor Kestner served two terms as Chair of the Department of Chemistry: from 1976-81 and again from 1991-94. Under his leadership, the Department moved from Coates Hall to the then-new Choppin Hall. Professor Kestner was actively involved with the Faculty Senate for many years. Also, his expertise in all things computational led to his role chairing numerous committees at the University level.



Professor Sandra Y. McGuire

Dr Sandra McGuire has been teaching chemistry and mentoring students for over 45 years. Of her latest book (Teach Students How to Learn, Stylus, 2015), Roald Hoffman, her former Cornell colleague and 1981 Chemistry Nobel Laureate writes, "Teachers need to learn as much as their students. In a masterly and spirited exposition, spangled with wit and exhortation, rife with pragmatic strategies, Sandra McGuire teaches teachers how to awake in their students the powers dormant in them. Be aware, and you will learn!"

From 1988-1999, Dr McGuire taught Chemistry at Cornell University in Ithaca, NY. Presented with the opportunity to return home to Baton Rouge, Dr McGuire joined Louisiana State University in August 1999 as the Director of the Center for Academic Success (CAS). She simultaneously held the title of Adjunct Professor in the Department of Chemistry. She retired in 2013 as the Assistant Vice Chancellor for Learning and Teaching and Director Emerita of the Center for Academic Success.

Supplemental Instruction (SI) involves weekly study sessions with a specially trained peer leader to help students in historically challenging classes. Dr McGuire significantly expanded SI at LSU, helping countless science majors succeed where they might have failed and has helped us immeasurably with student success and retention. To honor her contributions, LSU's Center for Academic Success established the Dr Sandra Yancy McGuire Scholarship.

Dr McGuire has provided mentorship to both students and faculty. Her skills and techniques in the classroom are adopted by many across the College of Science. Her track record for coaching students is the stuff of legends: helping those who were at risk of failing a course on their way to an A-grade; enabling graduate students to pass the notorious cumulative exams in Chemistry and be more successful and productive in their research. Indeed, at the Spring 2017 ACS National Meeting, Dr McGuire received the ACS Award for Encouraging Disadvantaged Students to Pursue Careers in the Chemical Sciences.

Dr McGuire has been recognized nationally, at the highest levels, for her advances in improving student learning and mentoring students. These accolades include: the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (2007), Fellowship of AAAS (2011), and the Lifetime Achievement Award from the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE, 2014). Closer to home and more recently, she was named a 2017 Espirit de Femme Honoree, an award that acknowledges persons who have made exceptional efforts towards the advancement of women in Louisiana.

For back issues of newsletters, visit:

www.lsu.edu/science/chemistry/news/media-center.php

Alumni Spotlight Special – an LSU Love Story



Drs Gleb and Charmaine Mamantov (1986)

Gleb Mamantov (1931-95) was born in Latvia, the son of two physicians. The anti-communist Mamantovs fled westward in 1944 and lived in a displaced persons' camp in Bavaria, near Stuttgart, from 1945-49. In 1949, eighteen-year-old Gleb immigrated to the United States with his family.

Gleb came to LSU in 1949 with rudimentary English and no money. According to his wife, Charmaine, "his was an unusual story and his gratitude to LSU was always a part of him." The Lambda Chi Alpha Fraternity welcomed this "displaced person," giving him board and lodging. The University waived his tuition. The Department of Chemistry gave him work in the motor fuel lab that enabled him to earn money for books and a little more. His proudest grade was an A in freshman English! He graduated *magna cum laude* in four years and stayed on for graduate studies with Professor Paul Delahay, obtaining his MS in 1954 with a thesis titled, "Studies in Voltammetry" and his PhD in 1957 with his dissertation, "Anodic Stripping Voltammetry and Others Studies of Electrode Processes."

Charmaine Bienvenue was born in St Martinville, Louisiana in 1935. She and her brothers were the first generation of their family to graduate from LSU. Charmaine received her BS from the College of Chemistry & Physics in 1957, a semester early. It was highly unconventional for undergraduates to work in the lab during that era, especially a young lady. However, Charmaine was fascinated by electrical equipment (and perhaps a young man!) in the Delahay Lab. Impressed by her soldering skills, Professor Delahay conceded that her small hands were an asset to his research, and allowed her to work in the lab.

Gleb Mamantov proposed to Charmaine Bienvenue on the steps of Coates Hall. They were married following graduation, in 1957. Gleb spent one year working in industry and then three years in the US Air Force, stationed at Edwards Air Force Base in the Mohave Desert, working on top secret rocket fuels. This was followed by postdoctoral studies at the University of Wisconsin, while Charmaine started graduate studies with Monroe Evans. In 1961, the Mamantovs moved to Knoxville where Gleb became an Assistant Professor at the University of Tennessee at Knoxville (UTK) Charmaine began graduate studies again and completed her coursework and exams shortly before the birth of their third child. Regulations made it impossible for her to obtain a PhD in her husband's department, so she eventually received a PhD in Science Education. She was employed as a Lecturer in the Department

of Chemistry, mostly teaching freshmen chemistry and developing lab manuals that are still in use today. She also conducted research, unofficially, with her husband throughout their careers.

Gleb Mamantov became an internationally recognized chemist in molten salt chemistry. He had more than 100 journal articles, 3 patents and he edited 9 books including five volumes of *Advances in Molten Salt Chemistry and Characterization of Solutes in Non-Aqueous Solvents*. He became Chair of the Department of Chemistry at UTK in 1979 and served in that role until his untimely passing in 1995. In Summer 1989, the Mamantovs spent a month spent in the Soviet Union to facilitate collaborations with two research centers in molten salt chemistry. A special part of that summer was a visit to Latvia where he was given a tremendous homecoming and Charmaine was greeted with flowers on the train.

Gleb and Charmaine have three children. Their two daughters both received Bachelors degrees in Chemistry and then went on to medical school; today one practices Adult Emergency Medicine in California and the other is in Pediatric Emergency Medicine and on the faculty at the University of Cincinnati Medical School. Their son has a law degree from the University of Virginia and practices Business Law. Of nine grandchildren, one grandson is soon to graduate in business from UNC. Of the eight girls, seven have gone into science so far. Three are working on doctorates and one is in medical school.

Charmaine closed down her husband's research lab and continued to teach at UTK until 2005. In a note just before Christmas 2016, Charmaine said that, "LSU took a chance on a poor Russian immigrant, who ended up giving a great deal to his profession." For herself, "I married a man who always supported me in my desire to be a chemist in an era when being a woman in science was a lonely endeavor." Amen, Charmaine, and thanks for your ongoing interest in LSU Chemistry.



Gleb and Charmaine in Baton Rouge not long before their wedding.

New Faculty Focus



Matthew Chambers: Dr Chambers received his BA *magna cum laude* from Cornell University where he was introduced to research in the lab of Professor Peter Wolczanski. He received his PhD from MIT under the direction of Professor Daniel Nocera. From 2013-15 he was a postdoctoral associate with Professor Marc Fontecave at the Collège de France. He was recently a postdoc at the University of North Carolina at Chapel Hill with Professor Alexander Miller. He is interested in energy-related science based on molecular inorganic synthesis, fundamentals of structure and bonding, photocatalysis, electrocatalysis, and mechanism elucidation.

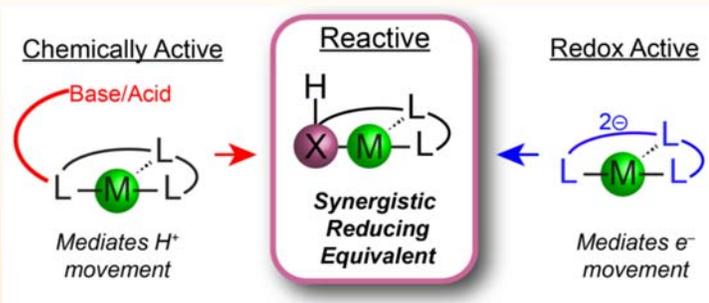
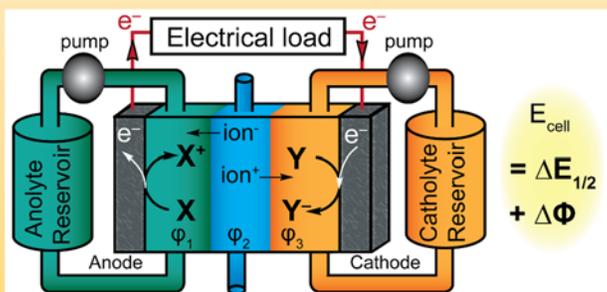


Figure: Mediating H^+/e^- transfers with reactive ligand scaffolds.

Noémie Elgrishi: Dr Elgrishi received her BS, MS and PhD degrees from the Université Pierre et Marie Curie, Paris VI, Sorbonne Universités. As an undergraduate, she had a couple of notable research experiences abroad – at the University of Cambridge (UK) in the lab of Professor Johnathan Nitschke and at MIT with Professor Daniel Nocera. Her PhD was with Professor Marc Fontecave. She was recently a postdoc at the University of North Carolina at Chapel Hill with Professor Jillian Dempsey. She describes herself as somewhere between inorganic and analytical and her independent research will involve a molecular inorganic electrochemical approach to tackling environmental and energy challenges.



Figure: Overview of the Energy Storage Project.



Semin Lee: Dr Lee received his BS and MS degrees from Sogang University in Korea where he did research with Professor Bongjin Moon. He was a graduate student in the research group of Professor Amar Flood at Indiana University from 2009-14 and has been a Beckman Postdoctoral Fellow in the lab of Professor Jeffrey Moore at the University of Illinois at Urbana-Champaign since 2014. His research is geared toward the creation of novel organic compounds with versatile materials applications. Representative target molecules are shown below.



Figure (from left to right): molecular belts, alkyne metathesis catalysts and framework architectures.

Josh Edwards - 2016-17 Outstanding SI Leader



Joshua Edwards (right) with his longtime CHEM 1201 / 1202 faculty teaching mentor Dr. John Hopkins.

Josh Edwards has been a student in the Ogden Honors College. In 2012-13, he took General Chemistry with Dr Elzbieta Cook, whom he describes as a great teacher. She recommended him to the Center for Academic Success as a potential Supplementary Instruction Leader. This program holds biweekly review sessions for historically difficult classes. He was paired up with Professor John Hopkins and has been his SI leader since Fall 2013. To sum up his philosophy on teaching, Josh says, "students need to be engaged to learn." His stellar performance as an SI leader earned him this year's Sandra Yancy McGuire Outstanding SI Leader Award.

Josh's first research experience was in the lab of Professor Marcia Newcomer (joint Biological Sciences and Chemistry) where he enjoyed the more chemical end of the biochemistry spectrum. In Summer 2016 he switched to Professor Kermit Murray's lab where he recently completed an honors thesis titled, "Viability of FFPE Preserved Tissue for Analysis by LCMS" (FFPE = formalin-fixed paraffin embedded; LCMS = liquid chromatography / mass spectrometry). He was the recipient of a Tiger Athletic Foundation Thesis Scholarship.

Through his research and SI experiences, Josh realized he was at least as much chemist as microbiologist. He graduated on May 12th with a double major. In Fall 2017, he will commence graduate studies at the University of Utah with the intent of studying physical chemistry at the biophysical end of the spectrum. His long-term aspirations involve becoming a professor so that he can develop science education at the college level. As well as communicating a body of knowledge, he wants to teach others how to be scientists.

New Research Grants

Gerald Schneider:

Wacker Chemie AG – two grants transferred from Germany

- 1. Polymer-Silica Interphases and their Influence on Material Properties of Silicone Elastomers*
- 2. Influence of Mechanical Stress on Silica Particle Distribution in Polymers*

Justin Ragains:

National Science Foundation (CHE)

Stable and Easily Activated Thioglycosides for the Stereoselective Synthesis of Oligosaccharides

Les Butler:

Argonne National Laboratory

Interferometry Imaging: Sensitivity and Resolution

Isiah Warner:

NASA/BOR

Damage Healing of Polymer Composite Structures under Service Conditions

LSU Board of Supervisors

GUMBOS-Based Compounds for Highly Efficient Blue OLEDs

Donghui Zhang:

LSU Board of Supervisors

Development of Easy to Read Time-Temperature Indicator for Food and Healthcare Product Packaging

Weiwei Xie:

LA Board of Regents Research Competitiveness Subprogram (RCS)

Design and Synthesis of Superconducting Materials via Geometrical and Electronic Links in Solids

Rendy Kartika:

LA Board of Regents RCS

New Synthetic Methodologies

Our People This Summer: Broadening Their Horizons

Peter Kei (Nesterov Group) has been awarded a US Department of Energy (DOE) Office of Science Graduate Student Research (SCGSR) Award. In collaboration with Dr Changwoo Do at Oak Ridge National Laboratory (ORNL), Kei and Nesterov submitted a project titled, "Core-shell Nanostructures Prepared by Controlled Chain-growth Polymerization: Investigation of the Formation Mechanism." The fellowship enables Peter to spend the summer at Oak Ridge, covering his travel and living expenses.

Jessica Simpson (Zhang Group) has been awarded an East Asia Pacific Summer Institute (EAPSI) Fellowship to do research in the group of Dr Lichen Yin at Soochow University located in Suzhou, China. Dr Yin is a collaborator of the Zhang Group at LSU. This NSF-funded project is titled, "Development of amphiphilic, pH responsive cationic copolypeptoids for nonviral cell transfection in serum."



Peter Kei



Jessica Simpson

More Awards to LSU Chemistry

Faculty

Tiger Athletic Foundation President's Award: George Stanley
LSU Alumni Association Faculty Excellence Award: John Pojman
LSU Alumni Association Rising Faculty Research Awards: Rendy Kartika and Daniel Kuroda
University College Tiger Athletic Foundation Teaching Award: Kandace Hurst
Tiger Athletic Foundation Undergraduate Teaching Awards: Robert Cook and Ken Lopata

Staff

LSU Chemistry Outstanding Staff Award: Charlotte Moore
Staff Senate Fee Support Scholarship: Gretchen Schneider

Graduate Students

Annual Graduate Awards Ceremony, April 28th

James Traynham Award: Mizra (Della) Saputra
Kiran Allam Award: Bijeta Prasai
Dow Macromolecular Award: Michael Tullier
Neil Kestner Physical Chemistry Award: Aliasghar Sepehri
RA Scholars: Aliasghar Sepehri, Qianli Meng, Kristina Deveaux-Lacey
Outstanding TA Awards: Holden Smith, Neepa Kuruppu, Chris Sumner, Elizabeth Kimball and Thu Nguyen
Service TA Award: Kathryn McKee

Coates Awards

Conference Travel Awards: Fan Cao, Milcah Jackson, Daniel LaMaster, Abigael Songok and Tyrslai Williams
Research Travel Award: Adam Brooks
Research Scholar Award: Raju Kumal
Outstanding Dissertation Award: Arturo Carranza

Other Awards

2017 LSU Alumni Association International Student Scholarship: Thu Nguyen
2017 NSF Graduate Fellowship: Chris Sumner

Undergraduate Students

Dr Benjamin Pierre Boussett Outstanding Student Award: Sarah Hahn (Gilman Lab)
Outstanding Chemistry Geaux Teach Award: Alanna Butterfield
Outstanding Undergraduate Researcher Awards: Kaylee Woodard (Kuroda Lab) and Blake Kruger (Haber Lab)
Tiger Twelve Class of 2017: Blake Kruger
LSU Student Employee of the Year Finalists: Peter Yager (Mass Spectrometry Facility)
and Elora Doskey (College of Science)

Phi Kappa Phi

Non-Tenured Faculty Award in Natural and Physical Sciences: Rendy Kartika
Outstanding Instructor: Elzbieta Cook
Outstanding PhD student: Thu Nguyen
Phi Kappa Phi Membership Acceptance: Joshua Van Houten (Kartika Group)
and Asela Dikkumbura (Haber Group)



Ms Charlotte Moore was the recipient of the Department of Chemistry's 2017 Outstanding Staff Award. You know her for her professional production of this newsletter. She has been our Receptionist in the Chemistry Office for 7 years where she is typically the first point of contact for visitors and those who make phone inquiries. During her time at LSU, Charlotte has become extremely knowledgeable about the Department and the University. If she doesn't know the answer to a question, she knows who to contact to get the information. She shepherds a team of student workers, giving them valuable little "life lessons" along the way. In addition to her office duties, she serves as our back-up Building Coordinator. In the past year, Charlotte has started taking classes toward her Accounting Degree. Now you have a face to put to the email or the voice on the end of the phone. Congratulations, Charlotte!

Chemistry News Brief

- ◆ Alex Nguyen (BS 11, PhD 15) – will be starting as a tenure-track assistant professor at LSU Alexandria in August 2017.
- ◆ Elora Doskey (BS 17) begins as the College of Science Recruiter in June 2017. This is a new position dedicated to encouraging high school students to become science majors at LSU.
- ◆ Doug Gilman is stepping down as Director of Graduate Studies (DGS) on June 30th. We thank him for his four years' service in this important role. Megan Macnaughtan will become the new DGS.
- ◆ Professor Daewon Sohn (PhD 94, Russo Group) recently celebrated 20 years at Hanyang University where he heads the Polymer Physical Chemistry Laboratory (PPCL).
- ◆ Dr Michelle Galloway-Hamani (PhD 04, Soper Group) passed away on May 17th following a battle with ovarian cancer. She was a bioanalytical chemist as well as a talented author and illustrator of children's books on STEM topics.

20 Years of ChemDemo

In Fall 1997, Professor George Stanley initiated a program wherein LSU students go out into schools to teach a 50 minute class on a thematic set of chemistry/science concepts, illustrated by hands-on demonstrations that involve some or all the students in the classroom. In the process, they reinforce their own learning and share the excitement of chemistry with the next generation of scientists. In the past 20 years, we have sent out 15,249 LSU undergraduates who visited 7,294 classrooms impacting over 180,000 K-12 students. There are eight sets of tested, safe demonstrations that involve hands-on participation of the students in the classroom. To the best of our knowledge, this is the largest K-12 science outreach activity in the USA. ChemDemo has inspired students to become teachers and some now regularly welcome ChemDemo into their own classrooms. While ChemDemo is rooted in the program described, demonstrations by LSU Chemistry students are also show-stoppers at events such as Super Science Saturday and President Alexander's initiative to bring every sixth grader in East Baton Rouge Parish to the LSU campus. ChemDemo is supported by the Department of Chemistry and donations from Albemarle, Exxon-Mobil, Dow Chemical and the Baton Rouge Local Section of the ACS; private donations are also welcome. On Saturday, September 16th, we will be hosting a celebration of the twentieth anniversary of ChemDemo. This will be a 60-90 minute "show" in Williams 103, at 1 pm. If you wish to reserve a seat, please RSVP to Charlotte Moore by September 10th. More details of the event, which we hope will include a lunch or reception, will be sent to those who RSVP.



LSU members of the Student Affiliates of the American Chemical Society (SAACS) show budding scientists how to make silly putty.

A significant measure of a great university is the support it receives from its alumni. Join us as we work on the leading edge of discovery and innovation to educate the next generation of scientists. If you would like to support LSU Chemistry, regardless of the amount, we would be most appreciative. All donations are tax deductible and qualify for Tiger Athletic Foundation (TAF) points.

To make your gift **online**, go to www.lsufoundation.org/givetoscience. Click 'Designations' and choose 'Chemistry Development Fund'.

To send your gift by **mail**, make your check payable to "LSU Foundation," note "Chemistry Development Fund" on the memo line and mail your check to: LSU Foundation, 3838 West Lakeshore Drive, Baton Rouge, LA 70808

Name
Address