

LSUDepartment of
Chemistry

Summer 2018

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New Look Graduate Student Awards

Each Spring Semester, the Department recognizes the achievements of graduate students who have excelled in research or teaching, or both. Teaching awards are supported by the Chemistry Development Fund. Research awards are funded from various sources and were expanded in scope and value in 2018, thanks to the generous donations of Dr. H. Dupont Durst (see article on p. 7). On April 27th, we held a special edition of the Graduate Awards Ceremony, attended by all four living persons for whom the research awards are named. Dr Durst delivered a few words, assuring graduate students that their career won't necessarily go where they expect, but if they're smart there will be opportunities that offer success. The Awards Ceremony and reception were organized by Professor John Pojman, Director of Graduate Studies, and Ms Kim Mollere, our Graduate Coordinator. Photographs are courtesy of Professor George Stanley. The following Friday afternoon, Daniel Kuroda organized a mini-symposium in which the five divisional research award winners gave 15 minute overviews of their research.



Back row: Samee Dikkumbura (teaching), Adam Bruner (Traynham), Deepthi De Silva (Allam), Yaowen Cui (Kestner), Caitlin Bresnahan (teaching), Gerard Ducharme (teaching), Chien-Hung Chiang (Durst), Kokila Ranasinghe (Pribble), Albert Chao (Evenson). Front row: Fatimat Badmus (teaching), Bijay Banstola (teaching), Nimisha Bhattarai (Robinson), Kylee Fazende (teaching).

2018 JAMES G. TRAYNHAM AWARD

The premiere award for both teaching and research is the James G. Traynham Award. The award was initiated by Professor Klaus Fischer in 1998. An endowment was established by colleagues and friends of Professor Traynham and the winner in 2018 was Adam Bruner of the Lopata Group. Adam successfully defended his dissertation on May 25th and will be a postdoctoral associate at the University of California at Irvine with Professor Shaul Mukamel, a world leader in the theory of nonlinear spectroscopy and ultrafast dynamics.



Jim Traynham and Adam Bruner

Graduate Student Awards Cont'd

Robinson Graduate Analytical Chemistry Award

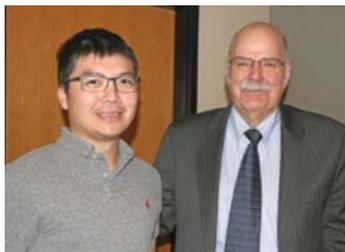
The endowment for this eponymous award was contributed by Professor Jim Robinson in 2012. The 2017 award went to Nimisha Bhattarai of the Warner Group.



Bhattarai and Robinson

H. Dupont Durst Graduate Award in Organic Chemistry

The inaugural award was made to Chien-Hung Chiang of the Nesterov Group. Funding is currently on an annual basis from Dr Dupont Durst.



Chiang and Durst

Mary Jo Pribble Graduate Award in Inorganic Chemistry

This award was endowed in 2017 (see right) and the recipient in 2018 was Kokila Ranasinghe of the Marzilli Group.



Left: Ranasinghe; Right: Pribble

Neil R. Kester Graduate Award in Physical Chemistry

Professor Emeritus Neil Kestner endowed this award in 2015. This year's recipient was Yaowen Cui of the Kuroda Group.



Left: Cui; Right: Kestner

Kiran Allam International Award

Kiran was a graduate student in the Vicente Group who died in 2007. The award is supported by the Chemistry Development Fund and went to Deepthi De Silva of the Warner Group in 2018.



Left: De Silva; Right: Allam

Timothy S. Evenson Macromolecular Award

Timothy Evenson was in a fatal car crash shortly before defending his dissertation. The award is currently supported by Professor Emeritus Bill Daly. The 2018 recipient was Albert Chao of the Zhang Group.



John Pojman and Albert Chao

Remembering Dr. Mary Jo Pribble

Mary Jo Pribble earned a Bachelors Degree in Chemistry from Maryville College, TN, and a Masters Degree in Chemistry from Duke University, NC. She entered the PhD program at LSU and became a student in the research group of the late Professor Joel Selbin. She completed a dissertation titled, "New Coordination Compounds of Uranium V." She received her PhD in 1970.

After a brief stint as a document chemist at Ethyl Corp, she moved on to a long career as a teacher, first at Limestone College in South Carolina. In 1977, she became a faculty member at Glenville State College where she was well-respected and described by a former student as "a one woman chemistry department." Dr Pribble was an elder in the Glenville Presbyterian Church and had a passion for weaving. She retired in 1994.

Professor Pribble passed away on August 11th, 2015. She left a substantial sum of money to LSU Chemistry for graduate student support. The funds have been endowed for the purposes of the Mary Jo Pribble Graduate Award in Inorganic Chemistry.

NSF CAREER Award to Daniel Kuroda

Assistant Professor Daniel G. Kuroda has received a 2018 NSF CAREER Award for his research project, "Molecular Characterization of Motions, Interactions and Structure of the Lithium Salts in Organic Solvents via Non-Linear Infrared Spectroscopy." The project is part of a broader landscape of solvation studies at the femtosecond time-scale where Kuroda has pioneered IR investigations of ions and their solvation structure. The combination of 2D-IR, with a special sample cell developed by the Kuroda Group, places him in a unique position to evaluate the structure and dynamics of molecules and ions in solution. The fundamental exploration of lithium-ion solvation has potential applications in batteries, green solvents, and other areas of chemistry.

These prestigious early-career awards are given to "faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization." An educational component of the proposal, "The Poor Man's Battery" involves showing kids how to assemble batteries from materials readily available in most homes. Dr Kuroda's goal is to give students a hands-on science experience while teaching them about the requirements of a battery and its operation.

Dr Kuroda received a BS in Chemistry from the University of Buenos Aires (Argentina) and a PhD in Chemistry from the University of Florida with Valeria Kleiman. He served as a postdoctoral research associate with the late Robin Hochstrasser, one of the pioneers and undisputed world leaders in the use of lasers to answer questions in chemistry and biology. He joined the LSU Department of Chemistry in 2013.



Kevin Smith Receives ACS Florida Award



Professor Kevin Smith is the recipient of the 2018 Florida Award of the American Chemical Society. This award was established in 1952 to recognize leadership and contributions toward the advancement of the profession of chemistry.

Professor Smith's career started at the University of Liverpool (1969-1977), continued at the University of California Davis (1977 to 2001), and brought him to LSU in 2001 as Vice Chancellor for Research and Dean of the Graduate School. He held that position until 2005 and, throughout his time at LSU, he has been the LSU Foundation James C. Bolton Distinguished Professor.

Professor Smith is an outstanding researcher, with nearly 800 publications. His name is synonymous with the field of porphyrin chemistry. In recognition of his accomplishments, he received the Robert B. Woodward Lifetime Achievement Award in Porphyrin Chemistry (ICPP-4, Rome, Italy, 2006) and the Alfred Bader Award in Bioinorganic or Bioorganic Chemistry (ACS National Meeting, Salt Lake City, Utah, 2009). Many of Kevin's key contributions have involved engineering complex members of the porphyrin family of compounds to probe their biosynthesis and important roles in nature and medicine. Collaborations across the world have led to such seminal advances as porphyrins functionalized for photodynamic therapy and the currently accepted model for heme protein catabolism.

Since stepping back from administration 12 years ago, Kevin has enjoyed teaching organic chemistry to thousands of LSU undergraduates and in 2016 he received a Tiger Athletic Foundation Undergraduate Teaching Award. Over the course of his career, Kevin has mentored 110 PhD students and more than 50 postdoctoral associates. Kevin's award was celebrated at the 94th Florida Annual Meeting and Exposition (FAME) at the Innisbrook Resort in Tampa in early May. The Florida Award Symposium featured LSU's Associate Professor Rendy Kartika and concluded with Professor Kevin Smith's award address.

LSU Chemistry Reception at ACS in NOLA March 20th



Louis Haber and Ken Lopata



Gerard Ducharme and John Pojman



Justin Ragains and Rider Barnum

CGSC Photo Competition

Following extensive rebranding exercises at the University and College level, we decided to seek some cool images from around the Department. The Chemistry Graduate Student Council (CGSC), undertook to run the competition. The photos were judged by: Dawn Jenkins, Director of Communications, College of Science; Alison Satake, Research Editor, Strategic Communications; and Ernie Mastroianni, Photo Editor, Discover Magazine.

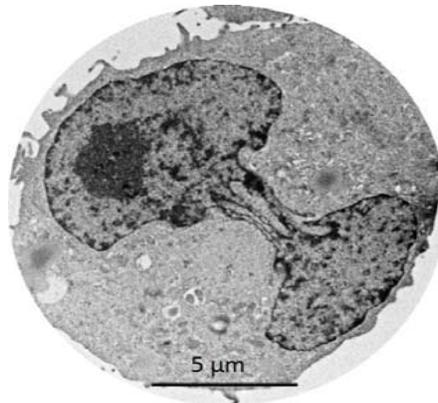
The winners were announced at the 2018 Graduate Awards Ceremony on Friday, April 27th. Prize money was provided by the Chemistry Development Fund.



Action Shot by Anne Power
General Chemistry Laboratory Coordinator

Titration: "The image of the person performing the titration with a buret is refracted in the droplet to produce an upside and down slightly distorted version of him."

"I like the simple but effective composition. The contrasting shapes of the buret and what I think is a test tube work well, and the surprise face in the droplet is what lifts this technically excellent image into a compelling science photo."



Science Shot by Mi Chen
Graduate Student, Warner Group

"A transmission electron micrograph in which a MDA-MB-231 breast cancer cell was undergoing nuclear division. This image was captured during the study of intracellular stability of nanoGUMBOS."

"The image is sharp and nicely defines the structure in a dividing cancer cell. It looks to be a valuable image for research, but it also captures a moment in the life cycle of a lethal cell."



Toy Shot by Susith Galle Kankanamge
Graduate Student, Kuroda Group

"The photo is composed of the optics inside a Spectra-Physics OPA 800C which are used to generate high energy femtosecond pulses from femtosecond ultra-fast lasers. The bright purple spot is the striking of 800 nm femtosecond pulses (with white light) on Beta-Berium borate crystal."

"I like the seemingly randomness of the spectra optics and magenta colors. The complexity of this experiment is laid clear."

OUR PEOPLE THIS SUMMER

Thu Ngyuen (5th year graduate student in the Gilman Group) will be an intern at SC Johnson in Racine, WI, developing effective test methods, improving formulations of consumer products, and exploring new opportunities for business growth.

Caitlin Bresnahan (4th year graduate student in the Kumar Group) has received one of only two Paul Barbara Scholarships from the Telluride Science Research Center to attend a workshop.

Benjamin Allen (senior chemistry major in Fall 2018) will be working for Marathon Petroleum in Garyville as a Lab Technician intern, learning the ins and outs of the refinery as well as testing for, and classifying, finished products that will go to market.

Jack Hopper (senior chemistry major in Fall 2018) will be working at Olin Corporation in Plaquemine, LA, performing quality control using GC/MS and ICP.

Ashley Merriweather (senior chemistry major in Fall 2018) will be conducting research in Professor Graça Vicente's Laboratory at LSU as a participant in the IMSD (Initiative for Maximizing Student Development) Program.

NEW RESEARCH FUNDING

Assistant Professor Daniel Kuroda has received an NSF CAREER Award (see article on p. 3).

Assistant Professor Semin Lee has received funding from the Research Competitiveness Subprogram (RCS) of the Louisiana Board of Regents for his proposal titled, "Design and Synthesis of Molecular Nanohoops with Strain-Release Reactivity."

Associate Professor Gerald Schneider has received a grant from NSF's Division of Materials Research (DMR) for his project, "Understanding the Impact of Confinement on the Dynamics of Entangled Chains."

Assistant Professor Tuo Wang and his collaborator, Associate Professor Ping Wang (LSU Health Sciences Center) have received seed-funding from the Louisiana Biomedical Collaborative Research Program (LBCRP), for their project titled, "Solid-State NMR Studies of the Dynamic Structure of *Aspergillus fumigatus* Cell Walls."

Assistant Professor Weiwei Xie has been named a 2018 Beckman Young Investigator with her project, "Chemistry Perspectives to Design New High To Superconductors."

LSU Alumni Homecoming Colloquia

To read the full profiles of these alumni – and others – visit our website: <http://www.lsu.edu/science/chemistry/news/spotlight/spotlights.php>



Sharon Vergez was an undergraduate at LSU in the 1960s. Today, she is the President of V-LABS INC, a company that specializes in carbohydrates and polysaccharides. On January 26th, Sharon shared the twists and turns of her career as an entrepreneur in the chemical industry. In his eloquent introduction of his former student, Professor Traynham noted that this was an historic occasion because, so far as he knew, a chemistry seminar at LSU had not previously been postponed because of snow.



Curt Holmes was a member of the Class of '65. He received his PhD from Indiana University and served in the US Army in Vietnam. He returned to LSU in the early 1970s as a postdoctoral associate with Chancellor Emeritus Jim Wharton. He spent most of his career at Greatbatch, Inc. On April 20th, he delivered a seminar that was a combination of the history and chemistry of batteries and their application to life-saving biomedical devices. His father, Chester Holmes was also a graduate of our Department (MS '41).



Back in the 1990s, Emanuel Waddell's world view was a laboratory in the basement of Choppin Hall where we was one of the early LSU students of Professor Steve Soper. In 2018, he is the National President of NOBCCHE and an Associate Dean at the University of Alabama at Huntsville. In his February 9th seminar, he reflected on his LSU publications and coauthors and the human element of doing science.



About to give up on graduate school, Pernendu Dasgupta was rescued into the research group of Boyd Professor Philip West in the 1970s. Today he is the Hamish Small Chair in Ion Analysis and the Jenkins Garrett Professor of Chemistry and Biochemistry at the University of Texas at Arlington. On April 9th he told us how he came to be called "Sandy" and about the determination of anions on Mars.

CGSC Annual Crawfish Boil



Assistant Professors Tuo Wang and Weiwei Xie at the Crawfish Boil, May 9th, 2018.

If you would like to be on an email list for Department events, please send Charlotte Moore an email request. cmoore1@lsu.edu

News in Brief

Professor Michael Cherry (LSU Department of Physics and Astronomy) will succeed Professor Carol Taylor as Chair of Chemistry on July 1st for a term of 18 months.

Graduate Student Symposium Planning Committee (GSSPC): A team of 7 LSU Chemistry graduate students - *Ashley Fulton, Peter Kei, Nichole Kaufman, Judith De Mel, Chris Sumner, Tia Vargas* and *Josh Lutz* - put together a proposal for a symposium entitled "Artificial Molecular Machines and the Next Generation of Molecular Control." They were selected in a nationwide competition by the current GSSPC from the University of Florida. They are now charged with recruiting high profile speakers, raising funds and managing logistics for their symposium that will be held at the 257th National ACS Meeting in Orlando in March 2019.

Michael "MP" Hayes (2nd year graduate student in the Cook Group) has been awarded a 2018 NSF Graduate Fellowship. His research proposal was titled, "Promotion of Phosphonate Binding by Synthesis of Silica-Based Agricultural Soils."

Associate Professor Rendy Kartika received funding from the LSU Student Technology Fee to purchase three benchtop NMR spectrometers for the Organic Teaching Lab. This is an important start to the rebuilding of instrumentation to give our students hands-on experience of acquiring

and interpreting data.

Professor Andrew Maverick, Dr Frank Fronczek and former postdoctoral associate *Dr Uttam Pokharel* (now at Nicholls State University) had a patent issued on February 27th titled, "Copper Complex for Capturing Carbon Dioxide." Related work was published a couple of years ago (Nature Communications, 2014, 5, 5883).

Dr Bijeta Prasai (LSU PhD '17 with McCarley) received an Honorable Mention in the 2017 LSU Distinguished Dissertation Awards for her dissertation, "Fluorescent Probe Interrogation of Cytoprotective Cancer-Linked Oxidoreductase in Two-Dimensional Human Cell Cultures and Solid Tumor Mimics." She is currently a Postdoctoral Associate at the NIH in Bethesda, MD.

Dr Holden Smith (LSU PhD '17 with Lopata and Haber) begins a new position as a "PTD Module and Integration Device Yield Engineer" at Intel in Hillsboro, OR, in September.

Dr Marsha Cole (LSU PhD '12 with Warner) recently received the International Frank M. Chapman Memorial Poster Award for her research in the sugar industry. She is a lecturer at Louisiana Tech.

Ms Anne Power (General Chemistry Stockroom Coordinator) and *Dr Fabrizio Donnarumma* (Murray Group) were married in May.

2018 College of Science Teaching Awards

ASSOCIATE PROFESSOR MEGAN MACNAUGHTAN - GRADUATE TEACHING AWARD

Dr Macnaughtan has taught Chem4552 (Instrumental Characterization of Organic Compounds) and developed a new course, Chem7150 (NMR: Practice and Theory) that sustained a high level of student interest over a five-year period.

In Chem4552, Dr Macnaughtan has explored the notion of giving students the opportunity to “retake” the question they did most poorly on in a test. They go away and learn the material that they were deficient in prior to the test. This seems to be both effective and appreciated by the students.

An important component of graduate level teaching occurs outside the classroom. Dr Macnaughtan is often to be found in the lab, demonstrating techniques and practical skills to her research group members. Dr Macnaughtan leads by example and is a role model in our Department for the mentoring of female, minority and international students. She served as our Director of Graduate Studies in Fall 2017 and has recently returned from a sabbatical at the University of Western Australia.



TAF UNDERGRADUATE TEACHING AWARDS

ASSISTANT PROFESSOR DANIEL KURODA

Professor Kuroda has taught Chem3492 (Physical Chemistry II), Chem4592 (Chemical Thermodynamics) and Chem1201 (General Chemistry I). None of these are easy classes to teach. Students describe him as “no nonsense” but a fair instructor who is invested in the success of his students, frequently citing how helpful he is in office hours. Indeed, “Dr Kuroda was able to add humor to a very difficult subject.”

At the upper undergraduate/graduate level, Daniel has thought carefully about the balance of theory and application and has arrived at a lecture format whereby much of the class period is spent on a derivation and concludes with the application of the concept to an exam-like problem.

Daniel has mentored several undergraduates in his lab, including two winners of the “Outstanding Undergraduate Research Achievement Award.” Along with Senior Instructor Kresimir Rupnik and undergraduate coauthors he published “Determining the energetics of the hydrogen bond through FTIR: a hands-on physical chemistry lab experiment.” (*J. Chem. Ed.* 2016, *93*, 1124).

DR KANDACE HURST, INSTRUCTOR

After experience in the local school system, Dr Hurst returned to LSU to teach General Chemistry in Fall 2014. A typical semester in the academic life of Dr Hurst consists of two large sections of General Chemistry Lecture (Chem1201 in Fall and Chem1202 in Spring) and serving as the instructor of record for a section of General Chemistry Laboratory.

For a couple of years, Dr Hurst has taught the sections of Chem1201 and Chem1202 that are prescribed for the students of the Science Residential College. Dr Hurst stepped up to teach Chem1431 (Honors General Chemistry Lab) in Spring 2017. Her superb organization and clear communication were in play in the lab environment, working with her TAs and helping students with their independent projects.

Kandace is a valuable member of our Undergraduate Studies & Awards Committee. This summer, she is joining forces with the BIOS team to contribute overall and to provide some chemistry-specific components for budding chemistry majors.



ASSISTANT PROFESSOR LOUIS HABER

Professor Haber’s primary undergraduate classroom contribution has been via Chem3491 that covers quantum mechanics applied to Chemistry. All Chemistry and Chemical Engineering majors must take this class and enrollments have doubled in the past 5 years, due to the flow-on effects of increased enrollments in Engineering.

When Dr Haber teaches Chem4594 (Introduction to Quantum Chemistry) there are typically a couple of self-selecting undergraduates who register. They express a genuine interest in the material and he encourages them.

Professor Haber has supported several undergraduates in his research group since his arrival at LSU in 2012. He is renowned for engaging students at all levels, through from high school to postdoctoral in various aspects of his projects. In the words of a student who worked in the Haber Research Group, and honored Chem3491, “my learning experiences with Dr Haber are the metric by which I identify great teachers.”

Left to right: Daniel Kuroda, Kandace Hurst, and Louis Haber at the LSU Distinguished Faculty Awards Ceremony

2018 LSU Distinguished Faculty Awards



ALUMNI PROFESSOR GEORGE STANLEY - OUTSTANDING SERVICE-LEARNING FACULTY AWARD

Throughout his teaching career, Professor Stanley has made service learning a major part of his educational activities. He has always included demonstrations in his lectures, so it was a somewhat logical extension to have students pass those demonstrations along.

In 1997, Professor Stanley and Professor Pat Limbach (now VP for Research at the University of Cincinnati) began sending LSU students out into the community, visiting K-12 schools. This reinforces the undergraduate/graduate student learning and shares the excitement of science with younger students. In 2017, we celebrated the 20th anniversary of ChemDemo, and the program was recently highlighted in Chemical & Engineering News.

Super Science Saturday, held late each October, is also another avenue by which George leads LSU in reaching out to the broader community to share learning science through demonstrations.



SENIOR INSTRUCTOR LINDA R. ALLEN - TAF OUTSTANDING INSTRUCTOR AWARD

For many years, Linda was a legendary teacher of General Chemistry in the classroom (Chem1201 and Chem1202), with excellent teaching evaluations. Since her arrival at LSU, she has been the stalwart of the General Chemistry Laboratory Course (Chem1212). Alas, Dr Allen has not taught a lecture class since Spring 2008, as a consequence of her tremendous skill in coordinating the burgeoning laboratory enterprise and her aptitude for course scheduling, student advising, coordination of undergraduate awards, liaison with the College, Academic Affairs and the Registrar's Office ... and so on.

Over the past decade, the numbers of students taking General Chemistry have increased by 25%. In 2016, Dr Allen modified or replaced each experiment in Chem1212 to ensure they could be completed within 2 hours. Her approach to experiment development involves using as many household chemicals as possible to reduce costs and to demonstrate the relevance of experiments to everyday life. She worked with her publisher to completely overhaul the printed laboratory manual. Moreover, much new, additional material was developed online (e.g., videos, question banks). Moving to a format where students spend 1 hour online for every 2 hours in the lab, enabled us to introduce an extra section of Chem1212 each day in 2017, increasing our capacity from 840 to 1120 students each semester.



ASSISTANT PROFESSOR KENNETH LOPATA - LSU ALUMNI ASSOCIATION RISING FACULTY AWARD

Dr Lopata is an expert at simulating the motion of electrons during, and immediately following, the interaction of matter with high energy (and/or intensity) light. The Lopata Group has developed time-dependent density functional theory (TDDFT) methods and computer code to simulate attosecond dynamics processes from first principles. In addition to method development, he also seeks to apply them to a range of projects, e.g., strong field ionization, charge migration in molecules, coupled metal/molecular interactions, transient electronic response of insulators and laser-induced damage in materials. The insights afforded by Lopata's simulations are one step ahead of the drive toward higher resolution of experimental measurements.

His resume catalogs a total of 28 publications, with 8 already from his independent work at LSU.

Durst Inducted into College Hall of Distinction

H. Dupont Durst received his BS and MS from LSU in 1965 and 1967 respectively. As a graduate student in the laboratory of Edward Leete at the University of Minnesota, he investigated the biosynthesis of terpenoids and alkaloids. In collaboration with Richard Borch, he introduced the cyanoborohydrate anion as a reducing agent. Through the 1970s and early 80s he was a faculty member at SUNY Buffalo, and later at the University of Puerto Rico. His research involved the application of phase transfer catalysts and crown ethers to organic synthesis and natural products chemistry. As an instructor, Durst's passion was teaching the skills of problem solving in the laboratory. With George Gokel, he co-authored the lab textbook "Experimental Organic Chemistry" that was first published in 1980. In 1984 he joined the US Army Edgewood Chemical Biological Center (ECBC) in Maryland, from whence he retired in 2015. At ECBC, he continued the theme of method development, now for the rapid hydrolysis and/or oxidation of chemical warfare agents and other toxic materials. He became engaged in "ultra trace" analysis and was key to the development of an ion source for mass spectrometry under ambient conditions; this became Direct Analysis in Real Time (DART®). In the 1990s, Durst served as a technical lead in international chemical demilitarization programs, including assessment of the Russian Federation Chemical Neutralization Systems. On the basis of these contributions to science and education, and as a representative of the USA on the world stage, he was selected to join the College of Science's Hall of Distinction. He was honored at the annual banquet on April 20th.



Sitting Left to Right: Emeritus Professors Jim Robinson, Neil Kestner, and Jim Traynham. Standing: Dupont Durst. Photo taken at the Graduate Awards Reception, April 27th, 2018.

Girls Do Chemistry

On January 16th, as a service activity to commemorate Martin Luther King Day, our Chemistry Graduate Student Council (CGSC) and the local chapters of the National Organization of Black Chemists and Chemical Engineers (NOBCChE) and Iota Sigma Pi (ΙΣΠ, National Honor Society for Women in Chemistry, Chlorine Chapter) joined forces to organize an event coined "Girls Do Chemistry." About 60 Girl Scouts, from ages 7-12 (Brownies and Juniors) came to see what a "real" college campus looks like, what a "real" chemistry laboratory looks like, and do "real" chemistry with "real" chemists. They ran pH tests on household chemicals using purple cabbage juice indicator, observed some exciting chemical reactions (formation of gases or solid precipitates), made polymer worms, and synthesized delicious liquid nitrogen dipping dots (not in a lab, of course). The girls were provided with "data sheets" to record their observations and make determinations. Following these "experiments" they were treated to a pizza lunch. Afterwards, juniors were invited to tour LSU Chemistry's instrument labs and an actual research lab, courtesy of Dr. Noémie Elgrishi. Feedback from the Girl Scouts indicated that they loved the experience and want to come back next year!



Girls watching the formation of polymer worms with Ashley Fulton of NOBCChE.



Group shot with CGSC, NOBCChE, and Iota Sigma Pi volunteers and Girl Scouts.



Girls testing the pH of household chemicals using transfer pipets and test tubes.

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