



★ Welcome Table and Registration

CAREERS IN ACADEMIA PANELISTS

Jennifer S. Brodbelt, Ph.D. Jennifer S. Brodbelt, Ph.D. is a professor of chemistry at the University of Texas at Austin. She earned her B.S. degree in chemistry in 1984 at the University of Virginia and her doctorate in chemistry at Purdue University in 1988. After a post-doctoral position at the University of California at Santa Barbara, she began her academic career at the University of Texas in 1989. Her research interests focus on the development and application of quadrupole ion trap mass spectrometry, with an emphasis on the study of DNA-drug interactions, proteomics, and phytochemicals. She also serves as Graduate Adviser for the Department of Chemistry and Biochemistry.

J.D. Lewis, Ph.D. J.D. Lewis, Ph.D. is a Professor of Chemistry at St. Edward's University. He received a B.S. in Chemistry from Texas Lutheran University, a Ph.D. in Physical Chemistry from Texas A&M University, and did post-doctoral study at the University of Nebraska-Lincoln. His research interests are infrared and Raman studies of the effect of intramolecular and intermolecular hydrogen bonding on the molecular structure of alcohols.

Dr. Lewis has served in a variety of administrative positions at St. Edward's University, including Head of the Department of Chemistry, Dean of the School of Natural Sciences, and Vice President of The Undergraduate College. In these administrative positions, he has been involved in hiring new faculty members in chemistry and many other academic disciplines.

Dennis McKearin, Ph.D. Dennis McKearin, Ph.D. grew up in New England and graduated with a B.S. in Plant Biology from University of New Hampshire. He obtained a Ph.D. in Biochemistry studying transcriptional regulation and was a postdoctoral fellow of the Carnegie Institution of Washington studying molecular genetics. He has been on the faculty at UT Southwestern Medical Center since 1990 and is currently a Professor of Molecular Biology. His laboratory studies the biology of stem cells in the fruitfly, *Drosophila*, in order to understand the features of cell signaling and control of gene expression that govern the maintenance and differentiation of stem cell populations. He is also the Associate Dean for the Medical Scientist Training Program for the MD/PhD at UT Southwestern and he enjoys the opportunity to provide professional mentorship to developing scientists in both his roles.

Emily D. Niemeyer, Ph.D. Emily D. Niemeyer, Ph.D. is an Associate Professor in the Department of Chemistry and Biochemistry at Southwestern University in Georgetown, Texas. She received her B.S. in chemistry from Ohio Northern University in 1993. After receiving her Ph.D. in analytical chemistry under the direction of Professor Frank V. Bright at the State University of New York at Buffalo, she joined the faculty at Southwestern University as an Assistant Professor in 1998. She was promoted to the rank of Associate Professor in 2004 and appointed Department Chair in 2006. While at Southwestern, she has taught a wide range of courses in analytical and environmental chemistry, as well as classes for non-science majors. Her recent research focuses on the analysis of phytochemicals and antioxidants, particularly how growth conditions can affect the expression of polyphenolic compounds in plants.

Laura Hunsicker-Wang, Ph.D. Laura Hunsicker-Wang, Ph.D. is currently an assistant professor of chemistry at Trinity University in San Antonio. She grew up in the Houston area and received her B.S. in chemistry from Texas Lutheran University in 1996. She earned her PhD in chemistry from Texas A&M University under the direction of Dr. Victoria J. DeRose in 2001. Her dissertation focused on characterizing metal interactions with the hammerhead ribozyme. Following her time at A&M, she was a post-doctoral research associate working with Drs. James A. Fee and C. David Stout of the University of California at San Diego and The Scripps Research Institute in La Jolla California. She studied the structure-function relationship in several metalloproteins using X-ray crystallography. She moved back to Texas in July 2005, when she began her position at Trinity University.

Dr. Hunsicker-Wang enjoys working with undergraduate researchers. She even received an award as a graduate student due to her mentorship of younger graduate and undergraduate students. Her lab at Trinity University typically has 4–5 undergraduates working in it year-round studying proteins from a unique bacteria, *Thermus thermophilus*. She loves the balance between research and teaching that working in an environment like Trinity University allows.

Linette M. Watkins, Ph.D. Linette M. Watkins, Ph.D. is an Associate Professor in the Department of Chemistry and Biochemistry at Texas State University, San Marcos. She received her B.S. degree in Biochemistry from Trinity University (1989) and her Ph.D. in Biochemistry from University of Notre Dame (1996). After completing a postdoctoral appointment at Texas A&M University, she joined the faculty at Texas State (then called Southwest Texas State University) in 1997. Her research interests focus on understanding the mechanism of enzymes involved in the bacterial desulfurization of fossil fuels. She is actively involved in promoting early involvement in undergraduate research, facilitating research collaborations between two year and four year college faculty, engaging two year college students in research opportunities and using undergraduate research as a tool for the recruitment and retention of underrepresented students in the chemical sciences. Over the last ten years, she has mentored over 60 undergraduate students including several from local two year colleges. During the 2006–2007 academic year, Dr. Watkins was a National Science Foundation Senior Discovery Corps Fellow, developing a collaborative research community between Texas State and San Antonio College, a local Hispanic serving community college. She is an active member of the American Chemical Society at the local and National levels and is the current chair of the ACS Committee on Minority Affairs.

CAREERS IN GOVERNMENT, LAW, AND ENVIRONMENTAL PROFESSIONS PANELISTS

Roshani Cowmeadow, Ph.D. Roshani Cowmeadow, Ph.D. received her education from the University of Texas at Austin, graduating with a B.A. in Biochemistry, a B.S. in Molecular Biology, and a Ph.D. in Molecular Biology/Neurobiology. She did her dissertation work in the lab of Dr. Nigel Atkinson, investigating the effects of drugs of abuse upon neural gene expression in the fruit fly. She also did her post-doc work at UT in the lab of Dr. Zhiwen Zhang. She worked for several years at Parke-Davis Pharmaceuticals researching protein processing in Alzheimer's disease. She has also worked as a free-lance writer & editor, IRS tax-examiner, horse-trainer, and farmer's market purveyor. She is currently working at the Texas Commission on Environmental Quality as an environmental engineer.

John Golden, Ph.D., J.D. John Golden, Ph.D., J.D. is an Assistant Professor at the University of Texas School of Law, where he teaches patent law and administrative law. He obtained an A.B. in Physics and History from Harvard College in 1992, a Ph.D. in Physics from Harvard University in 1997, and a J.D. from Harvard Law School in 2000. He later clerked for the Honorable Michael Boudin of the United States Court of Appeals for the First Circuit, and for Associate Justice Stephen Breyer of the United States Supreme Court. Prior to joining the School of Law in 2006, John worked as an associate in the intellectual property department of Wilmer Cutler Pickering Hale and Dorr LLP, and taught patent law as a lecturer at Harvard Law School during the fall terms of 2004 and 2005.

Mary Satterfield, Ph.D. Mary Satterfield, Ph.D. is a Research Chemist at the National Institute of Standards and Technology (NIST) in Gaithersburg, Maryland where she is a member of the Metrology for Gene Expression Team in the Biochemical Sciences Division. Mary has a BA in Zoology (1984) and a PhD in Analytical Chemistry (2001, Brodbelt Group) both from the University of Texas at Austin. In the years between her two degrees Mary taught Physical Science, Chemistry I and II, Physics, Introductory Physical Science, and Biology II at Lexington High School in Lexington, Texas.

Mary started at NIST as a National Research Council Postdoctoral Fellow developing methods for detecting small molecules and proteins including homocysteine and prostate specific antigen (PSA) in clinical reference materials. After several years in the Analytical Chemistry Division, Mary moved to the Biochemical Science Division and took on-line classes in biology at Johns Hopkins to update her background. Her current work focuses on design of a microarray scanner validation method and materials, and on educational outreach to middle school science teachers.

CAREERS IN SECONDARY EDUCATION PANELISTS

Robin Ritter Robin Ritter has been teaching since 1983. She has taught science classes for students from eighth grade through college in both public and private schools. Currently, she teaches PreAP and AP Chemistry. Other science classes she has taught include physics, biology, introductory physics and chemistry, marine biology, advanced physics, advanced chemistry, and an introduction to organic and biochemistry. She has also worked on curriculum through National Science Foundation programs for the last ten years.

Matt Sanderson, M.A. Matt Sanderson, M.A. attended Abilene Christian University from 1997–2001 in Abilene, Texas, and earned a B.S. in Chemistry. From 2001–2004, he taught high school chemistry and junior high earth science at Brentwood Christian School. Matt returned to academia in 2004 and completed a M.A. in Chemistry at the University of Texas at Austin in 2007. From 2007 to the present, he has returned to teaching high school chemistry at Brentwood Christian School.

Natalie Wieland Originally from New Mexico, Natalie Wieland graduated from the University of Texas in December 2005 with a Bachelor of Science in chemistry and perfect 4.0 GPA. She received the Noyce Scholarship, funded through the National Science Foundation. Mrs. Wieland is State Board certified in chemistry, biology, geology and physics. She is currently teaching Pre-AP Chemistry at Round Rock High School, where she serves as the Science/Environmental club sponsor as well as a collaborative teacher leader.

ALTERNATIVE CAREERS PANELISTS

Lisa M. Balbes, Ph.D. Lisa M. Balbes, Ph.D. founded Balbes Consultants (formerly Osiris Consultants) in 1992 to help companies produce better scientific documentation. She provides scientific writing services and custom workshops to more than 50 client companies, including Bausch and Lomb Surgical, Divergence, SigmaAldrich, Stereotaxis, and the FDA. Dr. Balbes is the author of “Nontraditional Careers for Chemists”, published by Oxford University Press in 2006. She earned her Ph.D. in chemistry from the University of North Carolina at Chapel Hill, and her undergraduate degrees in chemistry and psychology from Washington University in St Louis. She has been an ACS volunteer career consultant since 1993, and a national career presenter since 2001.

Anikó Bezúr, Ph.D. In January 2008, Anikó Bezúr, Ph.D. joined the Museum of Fine Arts, Houston, Conservation Department as Research Scientist, a position generously supported by The Andrew W. Mellon Foundation. Previously Dr. Bezúr held the position of Associate Conservation Scientist at the Art Institute (September 2005–January 2008). Dr. Bezúr’s recent projects have included the study of Pablo Picasso’s potential use of non-artists’ paints before WWII and research into the material technology of 18th century Viennese porcelain. Anikó obtained her BA/MS degree in Chemistry at Brandeis University (Waltham, MA) and went on to earn her doctoral degree in Materials Science and Engineering from the University of Arizona in 2003. Her dissertation explored the organization of production of copper-arsenic alloy artifacts of Middle Sicán origin (AD 900–1100) from northern Peru.

Renee D. Hawkins Renee D. Hawkins is a forensic scientist in the toxicology section of headquarters crime lab of the Texas Department of Public Safety. She completed a B.A. in chemistry at the University of Texas in 1999 and is a member of the Southwestern Association of Toxicologists.

Luci L. Nix, M.S. I was introduced to chemistry by my high school teacher at Martin High School in Laredo, TX, and later transferred to the University of TX where I graduated with a B.A. Major in Chemistry in 1959. In 1962 I was awarded a NSF scholarship; I received my Masters Degree in Biochemistry in 1965 and left to work with the Texas Dept. of Health. When my husband accepted a position as Director of Pharmacy at Mercy Hospital, I started teaching in the public schools again and it was my pleasure to teach young people who became physicians such as the President of UTSA Medical Center, Dr. Francisco Cigarroa. In 1971, we moved to Pittsburgh, PA and I turned to the pharmaceutical industry, which was just starting to hire women in the sales force. My career with Pfizer as an Institutional Sales Rep has been very challenging and rewarding. I’ve been fortunate to have been assigned many varied institutions also such as Walter Reed Medical Center, the NIH, and several teaching hospitals. In 1999 I was invited into the Pfizer Masters Program, and as of 2005, I am a Pfizer Ambassador.

Ellen Prediger, Ph.D. Originally from Iowa, Ellen Prediger, Ph.D. attended Macalester College (St. Paul, MN) where she received a BA in Biology. She obtained her PhD in biochemistry, genetics, and cell biology in the Edelman Laboratory at Rockefeller University in NYC, where she also did a 2 year postdoctoral stint. Ellen came to Austin to complete a second postdoc in a neuroendocrinology laboratory at the University of Texas. She then accepted a position at Ambion, a start-up biotechnology company in Austin, now owned by Applied Biosystems, as Director of Technical Services and Director of Scientific Communication. Now with 14 years tenure, Ellen continues at Applied Biosystems as Senior Manager of Technical Publications, managing a staff of 8 technical writers. In her free time she lifts weights, kayaks, hikes, and travels.

Jeff Young Jeff Young, a professionally trained brewer and analytical chemist, recently came to Austin to start a brewpub. While working on the brewpub and beer formulation in the evening, he has a day-job as a manager of Cleaning Validation at a pharmaceutical contract lab and manufacturing facility. Jeff uses his chemistry background to more accurately design beers and to better control the numerous variables in the brewing process.

CAREERS IN INDUSTRY PANELISTS

Deborah Hess, Ph.D. Deborah graduated from St. Mary's College (Notre Dame, IN) in 1986 with a BS in Chemistry and a minor in Spanish and immediately started graduated school that fall here at the University of Texas. She studied under the late Professor Mike White and received a PhD in Analytical Chemistry, with an emphasis in surface science, by May 1991.

She began work immediately as a Research Associate Chemist in June of 1991 within the R&D section of Phillips Petroleum Company in Bartlesville, OK along with her then fiancée (now husband), Dr. Kevin J. Hess. Many of the analytical projects focused on catalyst characterization and plastics failure analysis. Six years later, they grabbed an opportunity and moved back to Austin. While Kevin worked at the Huntsman Corporation, Deborah worked for one year at this University as a Research Associate in Mike White's group. This transition from industrial to academic setting encouraged Deborah's new interest in semiconductor materials. This experience led to an offer to join the Round Rock Texas office of the Evans Analytical Group. Four years into this work as a Senior Scientist, Deborah and Kevin had a daughter, Kayla Ann. With the company's support, Deborah followed a reduced work schedule for a few years until Kayla entered a Montessori school. In January 2006, Deborah left the Evans Group to join Freescale Semiconductor and accompany her husband on expatriate assignments to Crolles, France. Her work as a Process Engineer included new instrument qualification and data support for both advanced R&D and modeling groups. The assignment lasted 14 months upon which time when all expatriate employees were re-assigned to US based positions. Upon her return in June 2007, she has remained active with the Central Texas section of the American Chemical Society, and as a volunteer at her church and her daughter's Montessori school.

Terri Bright Hettinger, Ph.D. Terri Bright Hettinger graduated with a Ph.D. from the University of Texas at Austin in 1988 with Prof. Richard Jones, focusing on Organometallic Chemistry. In 1989, she received an Alexander von Humboldt Fellowship and worked as a postdoctoral fellow with Prof. Wolfgang Malisch in Wuerzburg, Germany. She joined BASF AG in 1990 as a Product Development Chemist in the Plastics Research Laboratory. She moved to the role of Market Research Leader in 1994, transitioning from an R&D chemist to a technical marketing specialist. In 1995, she relocated to the United States with BASF as a Project Manager, Business Development, utilizing her chemical expertise to develop a customer base for new chemical intermediates for industrial applications.

Terri accepted a position in Germany in 1999, this time outside of the chemical industry, as a Management Consultant at A.T. Kearney. After a year, she decided to return to the chemical and downstream industry, this time in a Business Development role at Avery Dennison, developing new label constructions for the pressure sensitive labeling industry. Her husband was relocated to Korea in 2001, and Terri worked as a Technical Liaison and Trainer for Avery Dennison in the Asia Pacific region, providing technical training and product recom-

mendations for colleagues and customers throughout Asia. Transitioning back to Europe in 2003, she accepted a position at HB Fuller as a Program Manager for the Pressure Sensitive Adhesive Product line Europe-wide. After 2 years, she and her husband relocated to the United States. Since April 2006, Terri has been working in various positions at Lonza Inc in Marketing and Business Development, focusing on customers in the Plastics, Coatings, and Adhesives Industries.

David Jurbergs, Ph.D. David Jurbergs, Ph.D. works for Bayer Material Science LLC and has over 10 years of experience in applied research, invention, and commercialization of new technologies at W.L. Gore & Associates, Optical Switch Corporation, Schott Optovance, and Innovalight. During this time, he has successfully patented and taken waveguide-based photonic components from concept through pilot-plant production stages of development. He has been extensively involved with packaging and light out-coupling of lasers, optical switches, and passive fiber-optic components. While working on his Ph.D. under the supervision of Dr. John T. McDevitt, his research on the optoelectronic characteristics of molecular dye/high-temperature superconductor structures led to the discovery of an antenna effect and patenting of novel color selective photodetectors. He holds 8 patents and has over 20 publications.

Dr. Jurbergs obtained a B.S. in Chemistry and a Ph.D. in Chemistry from the University of Texas at Austin.

Michelle Luc, M.S. As a sophomore I had an internship with Novartis (then Ciba Geigy). This was a great opportunity to apply instrumental methods, like NMR, IR and HPLC in the corporate lab. I then did an internship with L'Oreal and realized Cosmetic Chemistry was the career path I wanted to follow. I liked the creative and technical aspects of product development, and enjoyed using scientific literature, raw material technology and processing methodology as applied to cosmetic chemistry.

After graduating from The College of Saint Elizabeth in Morristown, NJ in 1999 with a BS in Chemistry, I began working for L'Oreal USA in Clark NJ in R&D for the L'Oreal Paris Consumer hair color division. In this department I worked on new product development for Feria, Excellence Crème and Color Pulse just to mention a few.

At L'Oreal, I work with groups including toxicology, analytical, microbiology, and the patent department. Working with marketing inspired me to pursue an Associates' degree in Marketing from The College of Saint Elizabeth. This improved my understanding of marketing's expectations and trends. I pursued an MS in Management, to learn managerial needs and styles from an R&D perspective.

After working in the Consumer hair color division for 5 years, I transferred to the Professional hair color division, where I worked on REDKEN 5th Ave, a luxury brand that is very edgy and high fashion. Last year I relocated to the Matrix Professional Hair Color department, the #1 professional brand that is sold globally to approximately 40 countries. Having experienced the different divisions and diverse subsidiaries within L'Oreal Hair Color, I learned the different dynamics of consumer requests, raw material technology, and product development.

I plan to go back to school for an MS in biochemistry and apply myself to innovative and creative cosmetic chemistry.

Usha Patel, M.S. I joined Boehringer Ingelheim (BI) in June 1988, where I am presently in R&D Administration, Intellectual property and Contracts group. I joined this group in 2004 after getting my registration as a patent agent from the United States Patent and Trademark Office (USPTO).

Prior to this, from 1988–2003, I was in Medicinal Chemistry research at R&D. While in medicinal chemistry one of the earlier projects I worked on was the “Viramune” project. Viramune is a marketed drug for AIDS.

While working in research I got interested in intellectual property and decided to take the patent bar, which I did, and registered as a patent agent with USPTO. I still use my experience in research/chemistry for drafting patent applications, which is very interesting and rewarding. It is still all about good chemistry!

Prior to BI, I worked in Medicinal Chemistry Research in Wyeth Laboratories in Radnor, PA. In 2000 I received the award for “Technical Achievements in Organic Chemistry” from the American Chemical Society, Organic Division. I am a co-inventor on 17 granted patents and a co-author on 25 scientific publications. I received my graduate degree (Masters) in Organic Chemistry from The University of Texas at Austin. My undergraduate degree is from University of Bombay, India with a major in Chemistry and minor in Physics.

Laura Pressley, Ph.D. Laura earned a BS in Chemistry from The University of Houston (1988), and a Ph.D. in Physical Chemistry from the University of Texas at Austin (1994). In her doctoral work, she characterized the kinetics of photon and electron induced reactions on metal surfaces, which is directly applicable to semiconductor processing. Throughout her career, she has traveled internationally, published multiple technical articles, and been awarded semiconductor related U.S. patents.

She was named Device Engineering Senior Member Technical Staff of Freescale Semiconductor's Global Device Yield Division in 2006. She is currently responsible for defining

Freescale's multi-million dollar defect metrology yield enhancement capital investment plan in their semiconductor manufacturing sites worldwide. She drives yield improvement efforts for Freescale's 90nm Bulk and 40nm SOI devices. As an industry expert, she has overseen process development and equipment optimizations for Etch, Thin Films, Diffusion, Photolithography, and Polish process modules. Previously, she held roles in project management at Advanced Micro Devices, Motorola's MOS13, and the Advanced Product Research and Development Laboratory.

Laura is passionate about having a purposeful impact and co-leads the Freescale Women's Leadership Team to support and develop women engineers, managers, supervisors, and technicians.

Her community involvement includes serving on the Board of Directors for SafePlace, a Women's Shelter. As a Board Member, Laura has appeared on the CBS Early Show and has testified to the Texas Legislative Committees regarding the need for increased governmental funding to support victims of domestic violence. Other activities Laura is engaged in include marketing and product development for a solar energy start up company, Natural Renewable Energy.

WOMEN IN SCIENCE PANELISTS

Virginia Deal As a child in upstate New York, Virginia Deal was interested in science, music and doing pen and ink sketches. After graduating from high school in 1939, she spent the summer in a hospital assisting at autopsies, followed by a project for the National Defense Research Committee involving fluorine analysis. While at Duke University in North Carolina, she met her husband, Carl Deal, a chemistry graduate student. After graduation, they both accepted jobs at the research labs for Shell Oil in San Francisco.

During WWII, Virginia conducted analytical research in viscosity, molecular weights, polarography, potentiometry and the development of test methods. She supervised 4–5 lab assistants to carry out the first potentiometric titrations. The one other female chemist in the company, Eleanor Mitts, worked in the Organic Department. Virginia was featured in “Women at Work” for the Petroleum Engineer Magazine in 1954, was a nominee for “Oil Woman of the Year” (Desk & Derrick Club) and was the first woman to give a paper before the American Petroleum Institute in the West—and only the second in all API history. Virginia supervised several PhD’s back from the war. Thirty years later she learned how much these men resented coming back to work for a “woman.”

Two months from giving birth to her first child Virginia was “released”, to return whenever she wanted. At 66, she returned to the Westhollow Research Center in Houston. Hired as a temp, she had no benefits and did not accrue the few years of service needed to earn her pension. Later, she worked at the Westhollow Research labs library.

Her interest in science began with a chemistry set, a microscope, and some unplanned explosions. She pursued this interest through college, and launched into her career as a woman, by filling the void of absent soldiers. Today there aren’t those barriers to “women in science” that Ginney launched through long ago.

Ann Nalley, Ph.D. Ann Nalley, Ph.D. is a Professor of Chemistry in the Physical Science Department at Cameron University, a position that she has held since 1969. She has held positions as a visiting scientist or professor in the Chemistry Departments at the University of Oklahoma and the University of Texas at Dallas, and the Polymer Science Department at the University of Southern Mississippi. She earned a Bachelor of Science Degree at Northeastern Oklahoma State University, a Master’s Degree in Analytical Chemistry at Oklahoma State University, and a Ph.D. in Radiation Chemistry from Texas Woman’s University. Her research includes new product development and solving industrial problems in the area of cosmetic analysis, nanostructural materials, applied research in the petroleum industry and computer molecular modeling.

She served as the President of the American Chemical Society (the largest scientific society in the world) in 2006. She has a long record of service to the American Chemical Society at

the local, state, regional and national level. At the completion of her term in the Presidential succession in 2007 she completed a term of ten years as a member of the ACS Board of Directors including seven years as Director of District V. She is a member of the PACIFICHEM Organizing Committee and was the first woman to be appointed to that position. She has served as a Councilor for more than 25 years. In 1996, she was awarded the Division of Professional Relations Henry Hill Award for Outstanding Contributions to Professionalism and was named the Oklahoma Chemist in 1992. She was the first and only woman to receive this award. In 2005, she received the Professional Excellence Award from the National Iota Sigma Pi Honor Society for Women in Chemistry. She also served as President of the Honor Society of Phi Kappa Phi from 1996–98(the largest and most prestigious multidisciplinary honor society) and as a member of their Board of Directors for 21 years. In her spare time, she finds time to maintain a pet refuge for over 40 displaced or deserted animals.

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CAREER WORKSHOP

Linda E. Reichl, Ph.D. Linda E. Reichl, Ph.D. is Professor of Physics at the University of Texas at Austin and she is a Fellow of the American Physical Society. She has written two books, one is a textbook on statistical physics called *A Modern Course in Statistical Physics* (Second Edition, Wiley, 1998) and the other is called *The Transition to Chaos* (Second Edition, Springer, 2004). Her research covers topics such as quantum and classical chaos theory, transport in quantum fluids, quantum control and the dynamics of quantum information propagation. She has published more than 130 research papers on these and other topics. Since 1999, Professor Reichl has co-taught a course on Women in Science at U.T. Austin.

Laura Hunsicker-Wang, Ph.D. Laura Hunsicker-Wang, Ph.D. is currently an assistant professor of chemistry at Trinity University in San Antonio. She grew up in the Houston area and received her B.S in chemistry from Texas Lutheran University in 1996. She earned her PhD in chemistry from Texas A&M University under the direction of Dr. Victoria J. DeRose in 2001. Her dissertation focused on characterizing metal interactions with the hammerhead ribozyme. Following her time at A&M, she was a post-doctoral research associate working with Drs. James A. Fee and C. David Stout of the University of California at San Diego and The Scripps Research Institute in La Jolla California. She studied the structure-function relationship in several metalloproteins using X-ray crystallography. She moved back to Texas in July 2005, when she began her position at Trinity University.

Dr. Hunsicker-Wang enjoys working with undergraduate researchers. She even received an award as a graduate student due to her mentorship of younger graduate and undergraduate students. Her lab at Trinity University typically has 4–5 undergraduates working in it year-round studying proteins from a unique bacteria, *Thermus thermophilus*. She loves the balance between research and teaching that working in an environment like Trinity University allows.

Warren V. Bush, Ph.D. Warren Bush retired in December 1992 from Shell Development Company, Houston, Texas, where he was a Research Advisor at the Westhollow Research Center. He continues his professional career as an independent consultant in the chemistry of petroleum refining, sulfur recovery processes, and air and water conservation. He earned his B.S.E. with honors in chemical engineering at Princeton University and his Ph.D. in organic chemistry at California Institute of Technology. His professional career with Shell Development Company included research and development in the areas of carbanion chemistry, hydrotreating, hydrocracking, and catalytic reforming; sulfur recovery; air and water conservation; and energy utilization. For several years prior to his retirement he was involved in development of processes for elimination of waste in petroleum refining processes and for ensuring compliance with the requirements of the Clean Air Act Amendments of 1990.

For twenty-one years prior to his retirement Dr. Bush was the leader of a research team engaged in developing improved methods of sour gas treating and sulfur recovery. He is internationally recognized as a consultant and a technology leader in the field of sulfur removal and recovery. He holds seven U.S. patents and is the author or co-author of more than four hundred publications. While employed with Shell Development Company, Dr. Bush served for eight years as an advisor to the University of Texas Separations Research Program in the areas of acid gas treating and stack gas desulfurization.

Dr. Bush is a 55-year member of the American Chemical Society; he has served as Chair of the Greater Houston Section, Chair and Secretary of the ACS Division of Petroleum Chemistry, and as Councilor from the Division of Petroleum Chemistry and from the Greater Houston Section. He is the 2007 Chair of the Dallas-Fort Worth Section. He has served on the Council Committees on Nominations and Elections, Employment and Professional Affairs, and Council Policy Committee. He also serves as an ACS Volunteer Career Consultant since 1989, as a Presenter for the ACS Department of Career Management and Development since 1994, and as a Local Section Tour Speaker.

Dr. Bush is also a 55-year member of the American Institute of Chemical Engineers, a member of the American Association for the Advancement of Science, a past member and former Director of the Texas Academy of Science, and a member of Sigma Xi and Tau Beta Pi honorary scientific and engineering societies. Dr. Bush was a member and former chairman of the External Advisory and Development Council of the College of Science at Texas A&M University. He was the consulting engineer for the renovation and historic restoration of Christ Church Cathedral (Episcopal) in Houston in 1995.

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