

Meet the CURQ Editors



Amy Buddie became associate director for Graduate Student Support and Undergraduate Research/Creative Activity in Kennesaw State University's Center for Excellence in Teaching and Learning in 2011. In this position, she coordinates the Southeastern Conference on the Teaching of Psychology, as well as KSU's Symposium of Student Scholars. She is the faculty advisor for KSU's Undergraduate

Research Club, editor of the *Kennesaw Journal of Undergraduate Research*, and manages the funding awards for undergraduate research. She conducts workshops for both undergraduate researchers and their faculty mentors on topics such as getting started in undergraduate research and publishing undergraduate research. She supports graduate teaching assistants through workshops, classroom observations, and individual consultations. In 2010, she won the Kennesaw State University Distinguished Teaching Award.

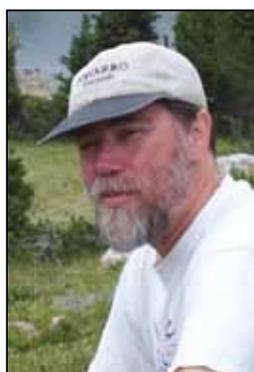
As a faculty member in the psychology department, she supervised dozens of undergraduate researchers on various projects, including research on alcohol and risky sexual behavior, attitudes about rape, consenting to unwanted sex, and attitude change resulting from coursework.

Buddie earned her MA in 1998 and her PhD in 2001 in social psychology from Miami University in Oxford, Ohio. She completed two years of postdoctoral training at the Research Institute on Addictions at the University of Buffalo before joining Kennesaw State University (KSU) in 2003.



Suma Datta is an associate professor of biochemistry and biophysics and executive director of honors and undergraduate research at the Texas A&M University flagship campus in College Station, Texas, where she has taught and conducted research since 1993. She teaches undergraduate courses in molecular biology, biochemistry, stem cells, and cooking chemistry, and

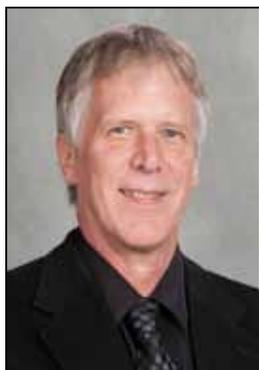
has mentored more than 50 undergraduates in her laboratory. She is a frequent speaker on mentoring, management, and communication skills. At the graduate level, Datta has taught classes in the molecular biology of development. She has served as a member of the campus Council of Principal Investigators and as assistant dean for undergraduate research. Datta has been active in the Undergraduate Research Program Directors (URPD) division of the Council on Undergraduate Research since 2010 and was elected a Councilor in 2011. She has served as a reviewer for the *CUR Quarterly* and is currently URPD division editor. Datta earned her PhD in biology from the University of California at San Diego as a National Science Foundation Graduate Fellow and did postdoctoral work at Yale as a Life Sciences Research Foundation Fellow. Her research interests ranged from the molecular genetics of stem cells in the developing brain to the role of aging and the extracellular matrix in prostate cancer progression from benign to metastatic status. She has published in *Development*, *Proceedings of the National Academy of Sciences*, *Developmental Biology*, and *Genetics*, among other publications. She is currently investigating why students choose not to become involved in undergraduate research.



Lonnie J. Guralnick is currently interim dean of the Feinstein College of Arts and Sciences and a professor of biology at Roger Williams University. He has been mentoring undergraduates in research since 1987. He has received numerous National Science Foundation awards to support his research and has published a number of articles with undergraduate authors.

Guralnick received a BA in biology (population biology) from the University of California, San Diego, an MS in biology (ecology) from San Diego State University, and a PhD in botany with a specialization in plant physiology from the University of California Riverside. He was department head of biology for four years and chair of the Natural Science & Mathematics Division for six years at Western Oregon University, where he received the Mario and Alma Pastega Excellence in Scholarship award in 2004. Guralnick also served a five-year term as chief examiner of

biology in the International Baccalaureate program. He has been a CUR biology Councilor for three years and recently was reelected to serve another three-year term. His main areas of teaching at Roger Williams include plant physiology, plant ecology, botany, biochemistry, genetics, introductory biology, and general education science. His research includes studying the ecological and evolutionary physiology of C₄ and CAM photosynthesis in the Portulacaceae, the role of photorespiration and anti-oxidant systems in CAM plants, and restoration of *Portulacaria afra* in the Spekboom Veld of South Africa and the possible consequences of global climate change.



Stephen Heinemann is an associate professor of music at Bradley University in Peoria, Illinois, where he has taught music theory, composition, and clarinet since 1991. He has been involved in CUR since 2006 when he was elected to the At-Large Division, becoming one of the first Councilors to represent the arts. He is a founding member of CUR's Arts and Humanities Division, has served

as divisional editor since the division's inception, and was the issue editor for the arts/humanities-focused edition of *CUR Quarterly* Winter 2008. Heinemann has incorporated musicological and music-theoretical research models into independent study projects and into classroom activities that have led to public presentations and performances. Heinemann earned his bachelor's and master's degrees at San Francisco State University and his doctorate at the University of Washington. His compositions have been performed in North America and Europe. He is a contributing author of *Elliott Carter Studies*, published in 2012 by Cambridge University Press, and his theoretical writings have appeared in, among other journals, *Music Theory Spectrum* and *Mitteilungen der Paul Sacher Stiftung*. He is also active as a clarinetist and jazz saxophonist.



Christopher Kim is associate professor of earth and environmental sciences at Chapman University and the current director of the Office of Undergraduate Research at Chapman. He conducts research with undergraduate students as head of the Chapman's Environmental Geochemistry Lab (<http://www.chapman.edu/envgeo>) and

teaches courses in geology and chemistry. Since he arrived at Chapman in 2004, Kim has mentored more than 40 undergraduates and nearly a dozen local high-school students in his lab. His research projects include the study of arsenic transport, speciation, and bioaccessibility in abandoned mine lands and the uptake/retention of dissolved metals onto iron oxyhydroxide nanoparticles. Kim received an NSF-CAREER award and a Henry Dreyfus Teacher-Scholar Award based on "accomplishment in scholarly research with undergraduates, as well as a compelling commitment to teaching." Kim spent the 2010–2011 academic year as a visiting research fellow at Harvard University. He received his AB from Princeton University and his PhD from Stanford University.



Alex Norquist, who is an assistant professor in chemistry at Haverford College, has supervised approximately 25 seniors' research theses since joining the faculty in 2003, and he has mentored several more undergraduate researchers. He has published approximately 65 research publications, on which 18 Haverford undergraduates appear as co-authors. Norquist was elected as

a Councilor to the chemistry division of CUR in 2010 and in 2012 became the division's editor for the *CUR Quarterly*. Norquist received a BS from Gustavus Adolphus College in 1996 and a PhD in chemistry from Northwestern University in 2000. He did postgraduate work at the University of

Oxford from 2001 to 2003. His current research is focused on the formation of functional organic-inorganic hybrid materials using low-temperature synthetic techniques. Specific attention is paid to the formation of low-symmetry solids using asymmetric building units, including second-order Jahn-Teller active cations and chiral organic amines. Recent work has explored the many influences that govern the formation of noncentrosymmetric vanadium tellurites, vanadates and gallium phosphates



Elizabeth Perry-Sizemore is assistant dean at Randolph College, where she is also an associate professor and chair of the Department of Economics and Business. She holds a PhD in economics from Virginia Tech. She is the past director of Randolph's Student/Faculty Summer Research Program and past chair of its Symposium of Artists and Scholars. As assistant

dean, she helped design and participate in the selection process for the Randolph Innovative Student Experience (RISE) program, which awards grants to students to pursue scholarly and creative endeavors. Perry-Sizemore advises independent and group undergraduate classroom research projects and also engages in student/faculty community-based research collaborations with students through paid summer research positions, independent studies, and internships. With several students she is currently examining the effects of a local non-profit's efforts to restore condemned residences in a neighborhood in Lynchburg, Virginia. Her students regularly present to the local community and at regional conferences. Perry-Sizemore is a Social Sciences Councilor with CUR and a faculty advisor to the student-refereed *Illinois Wesleyan Undergraduate Economic Review (IWUER)*. She is the student research module coordinator for *Starting Point: Teaching and Learning Economics*, a pedagogic portal project developed by economists in collaboration with the Science Education Resource Center of Carleton College (National Science Foundation, Grant DUE0817382, \$497,953, PIs: M. Maier, C. Manduca, K. McGoldrick, S. Simkins). *The American*

Economist article "Creating Quality Undergraduate Research Programs in Economics: How, When, Where (and Why)" with Steve DeLoach and Mary Borg.



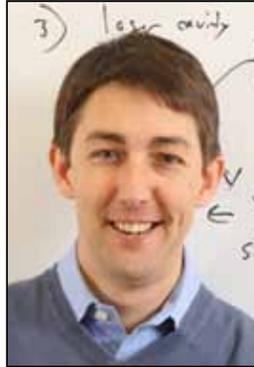
Alan C. Utter joined the faculty of Appalachian State University in 1995 and is currently a professor in the Department of Health, Leisure and Exercise Science. He also is director of the university's Office of Student Research and of the academic degree program in health promotion. Utter is a Fellow of the American College of Sports Medicine (ACSM), an ACSM-certified Exercise Specialist

for Preventive and Rehabilitative Exercise Programs, and an ACSM-registered Clinical Exercise Physiologist. His research focus is assessment of body composition, sport performance, and cardiovascular/metabolic/perceptual responses to exercise. Utter has more than 90 research publications in peer-reviewed journals, including *Medicine & Science in Sports & Exercise*, the *European Journal of Applied Physiology*, *Sports Medicine*, and the *American Journal of Clinical Nutrition*. He is a frequent presenter at regional, national, and international meetings. He serves as an associate editor of ACSM's *Medicine & Science in Sports & Exercise* and the *Journal of Strength and Conditioning Research*. He also is editor for the Health Science Division of the *CUR Quarterly*. He is a CUR Councilor for its Health Sciences Division, a past member of ACSM's Board of Trustees, past-president of the Southeast ACSM, and has served on the Sports Medicine Advisory Committee for the National Federation of State High School Associations. He consults regularly for the National Collegiate Athletic Association and the National Wrestling Coaches Association on weight-loss issues in wrestlers. Utter graduated from the University of Pittsburgh in 1995 with a PhD in exercise physiology and a master's of public health in epidemiology.



Carl Wozniak is an assistant professor in the School of Education at Northern Michigan University. He received a doctoral degree in higher education leadership from Western Michigan University, a master's in secondary education from Eastern Michigan University, and a bachelor's degree in communications from the University of Michigan. Wozniak also is

certified as a secondary teacher in Michigan in general science, biology, chemistry, and speech. In addition, he is a Gemological Institute of America-certified graduate gemologist. Prior to his work in the education school at Northern Michigan, Wozniak directed its Ronald McNair Post-baccalaureate Achievement and Freshman Fellowship undergraduate research programs. He has mentored undergraduate researchers and co-presented findings with students. His research interests include postsecondary options for high-school students, the role of undergraduate research in retention, recruitment, and learning, and technology in the classroom. Carl is married to Debra Morley, MD, PhD, a neurologist and human geneticist. They have two adult children; Ben, a senior at NMU, and Erica, a graduate student at Duke University.



Hank Yochum is director of the Margaret Jones Wyllie '45 Engineering Program and professor of physics and engineering at Sweet Briar College, a small liberal arts college for women in central Virginia. He frequently works with undergraduate research students from physics, engineering, and chemistry and encourages interested students to jump into research early in their

college experience. He is also active in elementary- and middle-school professional development for science teachers and directs a summer course, Exploring Engineering Design, for high-school women. He currently has research interests in experimental condensed matter physics and nanotechnology, with particular interest in the design and characterization of nanostructured optical devices. He has received funding from the National Science Foundation, the Jeffress Foundation, and the State Council on Higher Education of Virginia. He enjoys teaching a wide variety of courses in physics and engineering, including Technology and Society: A Global Perspective, in which students design and then deliver assistive tools for disabled clients in the developing world. He earned a PhD in physics from Wake Forest University and a BS in physics from the College of Charleston. Prior to joining Sweet Briar, he worked in the Optical Amplifier Development Group at Lucent Technologies/OFS Specialty Photonics in Somerset, New Jersey.