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A LEADERSHIP SUMMIT TO EFFECT CHANGE IN TEACHING AND LEARNING Board on Agriculture and Natural Resources • Board on Life Sciences

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Speaker Biographies

Thomas M. Akins, *Georgia Institute of Technology*

Tom Akins is the Executive Director of the Division of Professional Practice at Georgia Tech. He oversees the operation of the nation's largest totally optional cooperative education program as well as the undergraduate professional internship (UPI) program, the Graduate Co-op Program, and the Work Abroad Program. In Cooperative Education, Tom has made presentations and conducted workshops on the state, regional, national, and international level. He was elected multiple terms to the Faculty Assembly, Academic Senate, and Executive Board (currently the Vice-Chair). Mr. Akins holds memberships in the American Society for Engineering Education (ASEE), the World Association for Cooperative Education, the Cooperative Education and Internship Association, and the National Association of Multicultural Engineering Program Advocates. He has served as Secretary-Treasurer, Chair-Elect, and Chairman of the Cooperative Education Division of ASEE. He is a founding member of the national co-op accrediting body, The Accreditation Council for Cooperative Education (currently serving as President). Mr. Akins is the recipient of the 1998 Borman Award for outstanding service to the field of Cooperative Education, and the 2003 Clement J. Freund Award from ASEE for outstanding contributions to the aims and ideals of cooperative education. Mr. Akins received his MBA from Georgia State University and his Bachelor of Industrial Engineering degree from Georgia Tech.

Caitilyn Allen, *University of Wisconsin–Madison*

Caitilyn Allen is Professor of Plant Pathology at the University of Wisconsin–Madison, where she has taught since 1992. She just completed three years on the university-level tenure committee, serving as its chair in 2005-2006. Professor Allen's research lab studies mechanisms of virulence in bacterial pathogens of plants, and she also has an applied research project to develop disease-resistant tomatoes for Central American farmers. She has taught courses on molecular plant-microbe interactions, plant-associated bacteria, and tropical plant pathology, as well as two biology courses for non-science majors. She received UW–Madison's Distinguished Teaching Award and the American Phytopathological Society's National Award for Excellence in Teaching. Professor Allen was the founding Director of UW's Women in Science and Engineering Residential Program and also holds an appointment in the Women's Studies Program.

C. Eugene Allen, *University of Minnesota*

Gene Allen is a Distinguished Teaching Professor and Former Dean, Vice President, and Provost of the University of Minnesota. In a distinguished career, he taught more than 3000 students in his undergraduate and graduate courses, had an internationally recognized research program on the growth of muscle and adipose tissue and their use as meat, and extended these results through his outreach efforts. This resulted in about a hundred scientific publications and more than 40 outreach publications. He has been an invited speaker for hundreds of audiences in different states and countries, has served on numerous program or award review teams, boards of directors, and he has diverse work experiences in 22 countries that are primarily in the developing world. Gene is the recipient of three University of Minnesota teaching awards, two national awards for his research, numerous state and national awards for service, and is an elected Fellow of the American Association for the Advancement of Science (AAAS) and the Institute of Food Technology (IFT). Since 1984, he has provided visionary leadership in roles such as dean (1984-88), director of the

agricultural experiment station (1988-97), vice president (1988-95), provost (1995-97) and most recently as associate vice president for international programs (1998-2006). He has frequently given leadership to national and international initiatives or organizations. The most recent examples include national initiatives to internationalize campuses and expand study abroad enrollments. In the 1980s, Gene and three colleagues took the initiative that led to formation of the NAS Board on Agriculture (BOA). Later he served for six years on the BOA Board of Directors, plus five National Research Council committees (including the steering committee for the 1992 *Agriculture and the Undergraduate* effort), and he has been an invited speaker for three NAS workshops. In 1989, he was honored as a “Distinguished Centennial Alumni” of the University of Idaho. Dr. Allen is a native of Idaho and received a B.S. degree from the University of Idaho (1961), and M.S. (1963) and Ph.D. (1965) degrees from the University of Wisconsin.

John C. Allen, *Utah State University*

John C. Allen is the Director of the Western Rural Development Center (WRDC) and Professor in the Department of Sociology, Social Work, and Anthropology at Utah State University in Logan. Dr. Allen grew up on a ranch in eastern Oregon. Since that time, he has worked as a farmer and rancher, journalist, market researcher, and professor. Before accepting the position of WRDC Director, he was Director of the Center for Applied Rural Innovation (CARI) at the University of Nebraska–Lincoln. Dr. Allen’s professional activities focus on rural community development, entrepreneurial communities, and natural resource management throughout the West. His research interests include the impact of information age technology on economic development, how communities respond to change, the impact of sustainable agriculture on rural communities, and the role natural resources play in rural development. His research has been adapted to Cooperative Extension educational programs including *Navigating the Net*, *Master Navigator*, *Working More Effectively in Rural Communities*, *Community Conflict Management*, the *EDGE (Enhancing Developing and Growing Entrepreneurs)*, *Nebraska Annual Rural Poll*, *Tilling the Soil of Opportunity*, and *Asset Based Community Development*. Dr. Allen received his Ph.D. in Sociology from Washington State University, Pullman, M.S. in Urban Sociology from Portland State University, and B.S. in Sociology from Southern Oregon State University.

Jerry Bolton, *Kirkwood Community College, Cedar Rapids, IA*

Jerry Bolton is the dean of Agriculture and Natural Resources at Kirkwood Community College. Kirkwood Community College’s agriculture department has an enrollment of nearly 800 students in 15 different programs with twenty-five full time instructors and a 500-acre teaching lab contribute to the second highest national ranking in conferring two-year associate agriculture degrees. He has implemented increased math and science skills into agriculture curriculums, worked for increased articulation agreements with university agriculture programs, and successfully procured grants from local, state and national entities, with the largest being a 7 year \$6,000,000 grant from the National Science Foundation (NSF) for the development of an advanced technology curriculum for agriculture focusing on associate degree colleges. Prior to his position at Kirkwood, he was chair of the department of agriculture and natural resources at Hawkeye Community College in Waterloo, Iowa; a grain elevator, feed, and fertilizer business manager; and a high school vocation agricultural teacher. Mr. Bolton received his M.S. and B.S. from Iowa State University.

Gale A. Buchanan, *U.S. Department of Agriculture*

Gale Buchanan is the Under Secretary for Research, Education, and Economics at the U.S. Department of Agriculture. Before joining USDA, from March 1995 until his May 2006 confirmation for this position by the U.S. Senate, Dr. Buchanan served as Dean and Director of the College of Agricultural and Environmental Sciences at the University of Georgia. He was Interim Director of the Georgia Agricultural Experiment Stations from 1994-95. Previously he had served as their Associate Director as well as the Resident Director of the Coastal Plain Experiment Station—all affiliated with the University of Georgia—from 1986-1994. He was the Dean and Director of the Alabama Agricultural Experiment Station at Auburn University from 1980-1985. He began his full-time academic career in 1965 at Auburn University’s Department of Agronomy and Soils, with primary teaching and research responsibilities in weed science. Dr. Buchanan received his Ph.D. in plant physiology from Iowa State University, and his M.S. and B.S. in agronomy from the University of Florida.

Ralph J. Cicerone, *National Academy of Sciences*

Ralph J. Cicerone, president of the National Academy of Sciences, is an atmospheric scientist whose research in atmospheric chemistry and climate change has involved him in shaping science and environmental policy at the highest levels nationally and internationally.

His research was recognized on the citation for the 1995 Nobel Prize in chemistry awarded to University of California, Irvine colleague F. Sherwood Rowland. The Franklin Institute recognized his fundamental contributions to the understanding of greenhouse gases and ozone depletion by selecting Cicerone as the 1999 laureate for the Bower Award and Prize for Achievement in Science. One of the most prestigious American awards in science, the Bower also recognized his public policy leadership in protecting the global environment. In 2001, he led a National Academy of Sciences study of the current state of climate change and its impact on the environment and human health, requested by President Bush. The American Geophysical Union awarded him its 2002 Roger Revelle Medal for outstanding research contributions to the understanding of Earth's atmospheric processes, biogeochemical cycles, or other key elements of the climate system. In 2004, the World Cultural Council honored him with another of the scientific community's most distinguished awards, the Albert Einstein World Award in Science.

During his early career at the University of Michigan, Cicerone was a research scientist and held faculty positions in electrical and computer engineering. In 1978 he joined the Scripps Institution of Oceanography at the University of California, San Diego as a research chemist. From 1980 to 1989, he was a senior scientist and director of the atmospheric chemistry division at the National Center for Atmospheric Research in Boulder, Colorado. In 1989 he was appointed the Daniel G. Aldrich Professor of Earth System Science at the University of California, Irvine and chaired the department of earth system science from 1989 to 1994. While serving as dean of physical sciences for the next four years, he brought outstanding faculty to the school and strengthened its curriculum and outreach programs. Prior to his election as Academy president, Cicerone was the chancellor of the University of California, Irvine from 1998 to 2005.

Cicerone is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and the American Philosophical Society. He served as president of the American Geophysical Union, the world's largest society of earth scientists, and he received its James B. Macelwane Award in 1979 for outstanding contributions to geophysics. He has published about 100 refereed papers and 200 conference papers, and has presented invited testimony to the U.S. Senate and House of Representatives on a number of occasions.

Cicerone received his bachelor's degree in electrical engineering from the Massachusetts Institute of Technology where he was a varsity baseball player. Both his master's and doctoral degrees are from the University of Illinois in electrical engineering, with a minor in physics.

M. Suzanne Donovan, *Strategic Education Research Partnerships Institute*

M. Suzanne Donovan is Executive Director of the Strategic Education Research Partnership (SERP) Institute, an independent non-profit organization that began functioning independently of the National Academies in December of 2004. As Associate Director then Director of the National Academies' SERP project, she was co-editor of the project's two reports: *Strategic Education Research Partnership and Learning and Instruction: A SERP Research Agenda*. She served as study director and editor of *How Students Learn: History, Math, and Science in the Classroom*, as well as a previous study in the series entitled *How People Learn: Bridging Research and Practice*. She was the study director and co-editor for the NRC reports *Minority Students in Special and Gifted Education*, and was a co-editor of *Eager to Learn: Educating our Preschoolers*. Dr. Donovan was previously on the faculty of Columbia University. She has a Ph.D. in public policy from the University of California at Berkeley.

Jay Ellenberger, *U.S. Environmental Protection Agency*

Jay Ellenberger is the associate director of the Field and External Affairs Division at the U.S. Environmental Protection Agency's Office of Pesticide Programs. He has served for more than 25 years with EPA's Office of Pesticide Programs in the areas of regulatory activities, national and international policy and program development, legislation and communications and homeland security. He leads the agency's

homeland security efforts in protecting the food and agriculture sectors and representing the EPA in initiatives to protect these sectors. Mr. Ellenberger holds undergraduate and graduate degrees in animal science and entomology from Pennsylvania State University.

Frank Fear, *Michigan State University*

Frank Fear is Senior Associate Dean in the College of Agriculture and Natural Resources at Michigan State University. Dr. Fear provides oversight to the College's General Fund budget; is responsible for facilitating connections between the College's academic units and the Dean's Office, including working with the units on strategic planning and organization development efforts; and is point person for the College's global programs. He established his academic credentials in the fields of community and organization development. He served as chairperson of the Department of Resource Development—an academic department devoted to community and natural resource development. He worked in the Office of the Vice Provost for University Outreach, helping to develop an intellectual foundation and strategic plan for MSU's outreach efforts—an approach that informs the University's work to this day. Dr. Frank served as acting associate director of MSU Extension, and was the inaugural chairperson of The Liberty Hyde Bailey Scholars Program—a distinctive, college-wide (ANR) undergraduate program. The John Templeton Foundation and Phi Kappa Phi have recognized the program for the way it promotes undergraduate student & faculty development through collaborative learning. Dr. Fear is the lead author of the recently published book, *Coming to Critical Engagement*. In 2006, Frank was named a Senior Fellow in Outreach and Engagement at MSU. He has also been involved in organizational consulting and civic affairs, notably as a consultant with The W.K. Kellogg Foundation and as President and CEO of the Greater Lansing Food Bank (2004-2006). Dr. Fear received his PhD in sociology from Iowa State University.

The Honorable Mike Johanns, *U.S. Secretary of Agriculture*

Mike Johanns was sworn in as the 28th Secretary of the U.S. Department of Agriculture (USDA) on January 21, 2005. Secretary Johanns' strong agricultural roots stretch back to his childhood. He was born in Iowa and grew up doing chores on his family's dairy farm. As the son of a dairy farmer, he developed a deep respect for the land and the people who work it. He still describes himself as “a farmer's son with an intense passion for agriculture.” That passion has been evident during Johanns' tenure as Secretary of Agriculture. Days after he took office, he began working with U.S. trading partners to reopen their markets to U.S. beef. Nearly 119 countries had closed their markets after a single finding of a BSE-infected cow in the U.S. in 2003. Within his first year, Johanns convinced nearly half that number to reopen markets.

To improve access to markets, he has traveled the world, participating in World Trade Organization negotiations and promoting the successful passage of the Dominican Republic-Central American Free Trade Agreement. To fight obesity he launched the interactive, bi-lingual MyPyramid.com, a motivational and interactive food guidance system. A companion site for children is also available. To aid producers he has led the effort to provide timely assistance after the devastating hurricane season of 2005. He has promoted the use and promise of renewable fuels and he has supported conservation by expanding USDA's conservation commitment. He has also worked to educate and prepare the country for the potential onset of avian flu.

Prior to coming to USDA, Johanns was Nebraska's 38th governor. During his six years in office, Johanns was a strong advocate for rural communities and farmers and ranchers. That's why, with a new farm bill on the horizon, Johanns went to the country in 2005 to hear first-hand from producers about what was working with current farm policy and what was not. Johanns hosted 21 of 52 farm bill forums held in 48 states.

Secretary Johanns is a graduate of St. Mary's University of Minnesota in Winona. He earned a law degree from Creighton University in Omaha and practiced law in O'Neill and Lincoln, Nebraska. Johanns served on the Lancaster County Board from 1983-1987, and on the Lincoln City Council 1989-1991. He was elected mayor of Lincoln in 1991. He was reelected in 1995, and successfully ran for governor three years later. Secretary Johanns is married to Stephanie Johanns, a former Lancaster County Commissioner and State Senator. The couple has two children and three grandchildren.

Nicholas R. Jordan, *University of Minnesota*

Nicholas Jordan is a Professor in the Department of Agronomy and Plant Genetics at the University of Minnesota, and Director of Graduate Studies for the Sustainable Agricultural Systems Graduate Minor Program. His research interests include ecology of plant invasion, participatory development of integrated weed management methods, and ecology, management, and development of diversified “multifunctional” agricultural landscapes that produce ecological services and agricultural commodities. He is also interested in combining scientific knowledge with other ways of knowing to create an adequate knowledge base for sustainable agriculture. Currently, he is working to help organize and conduct participatory action research with coalitions of social groups in support of market development for the productions diversified and multifunctional agriculture. His teaching responsibilities include courses on agricultural ecology and systems thinking in sustainable agriculture. Dr. Jordan received his Ph.D. in botany and genetics from Duke University and his B.S. in biology from Harvard College.

Wynetta Y. Lee, *California State University, Monterey Bay*

Wynetta Y. Lee is the associate vice president for academic planning, research, and graduate studies at California State University-Monterey Bay. She has a successful career as a faculty member and as a leader in higher education. She served as an associate professor of higher education in the Department of Adult and Community College Education at North Carolina State University. She is best known for her research on micro populations, policy/program impact, and student performance. Her research addresses issues such as educational parity, mentoring, college student transfer, student development, and the disparity effect of policy/practice on institutions of color. Her publications and assessment reports reflect her broad interest in student achievement, educational equity, outcomes-based educational assessment, institutional policy, and the assessment of academic quality. She is a frequent contributor to knowledge through various chapters, monographs and articles in higher education literature. She is a member of the Association for the Study of Higher Education and editor of its *Assessment & Evaluation* literature, the American Educational Research Association, the Postsecondary Preparation Working Group, and the National Postsecondary Education Cooperative. Although she has a well-developed reputation as a researcher, teacher and leader in higher education, Lee is most proud of those for whom she has been honored to serve as mentor into higher education careers.

M. Peter McPherson, *National Association of State Universities and Land-Grant Colleges*

Peter McPherson is president of the National Association of State Universities and Land-Grant Colleges (NASULGC). He is the founding Co-chair of the Partnership to Cut Hunger and Poverty in Africa and is Chairman of the Board of the International Food and Agricultural Development. Peter serves on the Board of Directors of Dow Jones and chair of the Audit Committee of the Board. In 2003, he served as the Director of Economic Policy in Iraq under the Coalition Provisional Authority. He also served as president of Michigan State University (1993-2004), Executive Vice President with Bank of America (1989-1993), Deputy Secretary of the U.S. Treasury (1987-1989), Administrator of the Agency for International Development (1981-1987), and Chairman of the Overseas Private Investment Corporation (1981-1987). He was also a Special Assistant to President Gerald Ford. From 1977 through 1980, he was a partner and head of the Washington office of a large Ohio large firm, Vorys, Sater, Seymour, and Pease. Peter has been honored with the U. S. Presidential Certificate of Outstanding Achievement, the Secretary of State Distinguished Leadership Award, the Department of Treasury’s Alexander Hamilton Award, the UNICEF award for “outstanding contribution to child survival” and the 1983 Humanitarian of the Year award from the American Lebanese League. He received his JD from American University, MBA from Western Michigan University, and BA in political science from Michigan State University.

Jose P. Mestre, *University of Illinois at Urbana-Champaign*

Jose Mestre is a professor of physics and educational psychology at the University of Illinois, Urbana-Champaign. His research interests include cognitive studies of problem solving in physics with a focus on the acquisition and use of knowledge by experts and novices. Most recently, his work has involved investigating transfer of learning in science problem solving, applying research findings to the design of

instructional strategies that promote active learning in large physics classes, and developing physics curricula that promote conceptual development through problem solving. He has served on the National Research Council's Mathematical Sciences Education Board, and Committee on Developments in the Science of Learning; the College Board's Sciences Advisory Committee, SAT Committee, and Council on Academic Affairs; the Educational Testing Service's Visiting Committee, and Graduate Research Examination Technical Advisory Committee; the American Association of Physics Teacher's Research in Physics Education Committee and the editorial board of *The Physics Teacher*; and the Expert Panel of the Federal Coordinating Council for Science, Engineering and Technology. He has published numerous research and review articles on science learning and teaching, and has co-authored or co-edited seventeen books.

Jay Moskowitz, *The Pennsylvania State University*

Jay Moskowitz is Associate Vice President for Health Sciences Research, Vice Dean for Research & Graduate Studies of the College of Medicine at Pennsylvania State University. He is also the Chief Scientific Officer of the Milton S. Hershey Medical Center. Dr. Moskowitz has twenty-seven years of experience at the National Institutes of Health where he started his career as a Postdoctoral Fellow in the Pharmacology Research Associate Program, National Institute of General Medical Sciences, and went on to serve as Principal Deputy Director of the National Institutes of Health (NIH). Dr. Moskowitz dedicated his NIH career to developing programs that would serve to facilitate the research careers of emerging basic and physician investigators. He was responsible for developing the Pulmonary Young Investigator Award, Pulmonary Academic Award, numerous trans-NIH career development K awards and the Shannon Award. He spent eight years between his appointment at NIH and Penn State at the Wake Forest University School of Medicine as Senior Associate Dean for Science and Technology. Dr. Moskowitz received his Ph.D. from Brown University, and his BA from Queens College, City University of New York.

Jeanne L. Narum, *Project Kaleidoscope*

Jeanne Narum is the founding director of Project Kaleidoscope, an informal national alliance that focuses on building leadership at the institutional and at the national levels to ensure that American undergraduates have access to robust learning experiences in science, technology, engineering, and mathematics. Jeanne is also the director of the Independent Colleges Office, which assists its member institutions in being competitive in its search for grants from federal agencies for faculty and curriculum development and institutional renewal. She previously served as director of government and foundation relations at St. Olaf College, director of development at Dickinson College, and vice president for development and college relations at Augsburg College. She has served on several National Research Council committees on undergraduate education in the sciences. She has received honorary doctorates from the University of Portland, Ripon College, and the University of Redlands. Jeanne received her Bachelor of Music from St. Olaf College.

Marion Nestle, *New York University*

Marion Nestle is the Paulette Goddard Professor in the Department of Nutrition, Food Studies, and Public Health at New York University, which she chaired from 1988-2003. She has held faculty positions in the Department of Biology at Brandeis University and at the University of California, San Francisco (UCSF), School of Medicine, where she was Associate Dean for Human Biology Programs. She was the senior nutrition policy advisor in the Department of Health and Human Services and managing editor of the 1988 *Surgeon General's Report on Nutrition and Health*. She was a member of the FDA Food Advisory Committee and Science Board, the USDA/DHHS 1995 Dietary Guidelines Advisory Committee, and American Cancer Society committees that issue dietary guidelines. She is currently a member of the Pew Commission on Industrial Farm Animal Production. She is the author of *Food Politics: How the Food Industry Influences Nutrition and Health* (2002), which won awards from the Association for American Publishers, James Beard Foundation, and World Hunger Year, and author of *Safe Food: Bacteria, Biotechnology, and Bioterrorism* (2003), which won NYU's Griffiths Research Award and was selected as a 2004 Best Book by the San Francisco Chronicle. In 2004, she was named alumna of the year by the University of California, School of Public Health, and received the David P. Rall Award for Advocacy in Public Health from the American Public

Health Association. In 2005, she was elected as a Fellow of the American Society for Nutritional Sciences and of the American Association for the Advancement of Science; and received the Health Quality Award from the National Committee for Quality Assurance, and the Bridging the Gap Award for Excellence in Science and Public Policy Writing from the Northern California Public Health Association. Her latest book, *What to Eat*, was published in May 2006. Dr. Nestle completed a Ph.D. in molecular biology and an M.P.H. in public health nutrition from the University of California, Berkeley.

James L. Oblinger [Committee Chair], North Carolina State University

Dr. James L. Oblinger is the 13th chancellor at NC State University, North Carolina's flagship university for science, engineering and technology. With an annual budget of \$820 million and a \$300 million endowment, the university has nearly 7,000 full-time employees and 30,000 students. Since arriving at NC State in 1986, Oblinger has served as provost and executive vice chancellor for Academic Affairs, dean of the College of Agriculture and Life Sciences and associate dean and director of academic programs in the College of Agriculture and Life Sciences. Chancellor Oblinger is an expert in the microbiology of red meats and poultry, decontamination techniques and food-borne pathogens.

He is known for: spearheading innovations in teaching and learning, including re-designing classrooms to become dynamic learning environments and using technology to improve learning; supporting multi-disciplinary programs that meet evolving needs of the 21st century, such as the new Biomanufacturing Training and Education Center (BTEC), which will provide trained workers for the state's growing biotechnology industry; advocating for students and their needs, even co-editing an e-book, *Educating the Net Generation*; and leading efforts to support the state's economic development, including technology transfer, which has created 50 spin-off companies since 1980; the Industrial Extension Service, which has returned at least \$539 million in direct annual gains to the state over the last five years; and the Precision Marketing Initiative, a joint venture with Wake Economic Development to leverage the strengths and established relationships of the university to create new jobs.

Prior to coming to NC State, Oblinger was associate dean and director of Resident Instruction in the College of Agriculture at the University of Missouri-Columbia, as well as professor of Food Science and Human Nutrition at the University of Florida. He has received multiple awards for teaching and educational excellence, both as a faculty member and an administrator.

Chancellor Oblinger is a tenured professor in the Department of Food Science; he is an expert in the microbiology of red meats and poultry, decontamination techniques and food-borne pathogens. He is a member of Alpha Zeta, Gamma Sigma Delta, Phi Beta Kappa, Phi Epsilon Phi, Phi Kappa Phi, Phi Tau Sigma and Sigma Xi.

Oblinger earned a bachelor's degree in bacteriology from DePauw University, and a M.S. and Ph.D. in Food Technology from Iowa State University.

H. Paul Roberts, Michigan State University

Paul Roberts is the director of study abroad and international programs at the College of Agriculture and Natural Resources at Michigan State University. He has been involved in international programs at Michigan State University for almost 30 years, having served as Assistant to the Vice Provost and Dean, Acting Associate Dean for International Program, and Director of Study Abroad and International Training for the College of Agriculture and Natural Resources. Under his guidance, the College has developed the largest study abroad program in agriculture in the U.S. with more than 50 programs in 30 countries. He has personally conducted more than 30 international programs involving more than 500 students. He received the 2005 MSU award for outstanding service to study abroad. Dr. Roberts also teaches courses on "Global Issues in Agriculture and the Environment" on campus.

Gary Rodkin, *ConAgra Foods, Inc.*

Gary Rodkin is Chief Executive Officer of ConAgra Foods, Inc. Prior to joining the company in 2005, Mr. Rodkin was Chairman and CEO of PepsiCo Beverages and Foods North America, where he led a \$10 billion organization including such leading brands as Pepsi, Gatorade, Quaker Foods and Tropicana. He joined PepsiCo in 1998 when PepsiCo acquired Tropicana, where he had served as its president since 1995. From 1979 to 1995, Mr. Rodkin held marketing and general management positions of increasing responsibility at General Mills, participating in the successes of many of its leading brands from Cheerios to Betty Crocker, with his last three years at the company as president, Yoplait-Colombo. Mr. Rodkin earned a bachelor's degree in economics from Rutgers College and a MBA from Harvard Business School.

Sally L. Shaver, *U.S. Environmental Protection Agency*

Sally Shaver has over 33 years of government experience. She began her career at the South Carolina Department of Health and Environmental Control where she developed and worked on water quality models. Her career with U.S. EPA began in the regional office in Atlanta, Georgia, where she worked in all aspects of the water program and was the lead for permitting in the air program before moving to the Agency for Toxic Substances and Disease Registry in the Centers for Disease Control and Prevention where she worked with the Superfund program. From there she moved back to EPA in Research Triangle Park, North Carolina, where she was responsible for setting and implementing the national ambient air quality standards for several years before spending eight years in charge of the air toxics program. She has led the U.S. delegation on two international task forces and has been a member of USDA's Agricultural Air Quality Task Force since its inception. For the past year she has served as the Associate Counselor for Agricultural Policy in EPA's Office of Air and Radiation. Ms. Shaver has a B.S. in mathematics from Furman University and a M.S. in environmental engineering from Clemson University.

Paul D. Tate, *Council of Graduate Schools*

Paul Tate is a Senior Scholar in Residence at the Council of Graduate Schools. He is and a co-director of the Professional Science Master's Initiative, funded by the Ford Foundation and by the Alfred P. Sloan Foundation. He is also a professor of philosophy at Idaho State University and a former Dean of Graduate Studies at Idaho State University, where he continues to work on a special project to develop a training program in research ethics for graduate students. Dr. Tate studied in India and Sri Lanka on a Fulbright scholarship and taught in Sri Lanka as a Fulbright scholar. In addition to scholarly articles on early Sanskrit literature and on the German philosopher Martin Heidegger, Dr. Tate has published several works of fiction, all set in South Asia. In 1996 he organized a conference in India on ethical and political issues in cross-cultural art—issues he continues to address in his literary work and in his collaborations with visual artists. Dr. Tate is a founding member of the ethics committee of the Portneuf Medical Center, and he offers frequent workshops on ethics in medicine, business, engineering, research, and university administration. Dr. Tate received his Ph.D. and M.Phil. in philosophy from Yale University, and his B.A. in philosophy from University of Texas at Austin.

Andrew L. Waterhouse, *University of California, Davis*

Andrew Waterhouse is the John E. Kinsella Chair in Food, Nutrition, and Health and a professor of enology at the University of California, Davis. His research focuses on the chemistry of phenolic compounds and addresses two types of effects: the taste of wine, and health effects of wine to consumers. In both cases, his lab collaborates with others who can help utilize chemical data and assistance to advantage and vice versa. In the area of wine quality, his interest is in the effect of oxidation on wine chemistry, and how this oxidation affects important quality parameters of wine, such as taste and color. Dr. Waterhouse has been studying micro-oxygenation and its effect on wine color and tannins, and is currently testing some new theories on wine oxidation chemistry. He also participates in the development of general analytical methodology of interest in wine analysis, has published a few different methods in this area, and is applying a number of different methods to look at new grape or wine treatments being offered by various companies. Dr. Waterhouse received his Ph.D. in chemistry from the University of California, Berkeley, and his B.S. in chemistry from the University of Notre Dame.

Robin Wright, *University of Minnesota*

Robin Wright is Associate Dean for Faculty and Academic Affairs in the College of Biological Sciences (CBS) and professor of Genetics, Cell Biology, and Development at the University of Minnesota. Her lab studies the genetic control of cell structure, using yeast as a model organism. In her previous position at the University of Washington, she taught non-majors' biology and introductory and advanced cell biology. Wright spends considerable effort on activities that promote innovation and improvement of undergraduate education. Her teaching effectiveness was recognized by a University of Washington Distinguished Teaching Award in 2000. At the University of Minnesota, she chairs the CBS Curriculum Task Force as well as the university's Council on Enhancing Student Learning. In addition to teaching freshman seminars, an honors colloquium, and introductory biology, she also helped to develop and co-teaches an orientation/enrichment course required for all incoming freshmen in the college.

Robert T. Yuan, *University of Maryland, College Park*

Robert Yuan is a part time senior staff officer at the Board on Life Sciences at the National Research Council and is a professor emeritus in Cell Biology and Molecular Genetics at the University of Maryland, College Park. During his 19 years at the University of Maryland, he was a co-PI of the East Asia Science and Technology Project which introduced East Asian themes into undergraduate science and engineering courses. He created three honors seminars and one senior level Microbial Physiology course and worked with faculty teams to create an honors seminar and completely restructure the required General Microbiology course. Dr. Yuan was a founder of a biotechnology company that focused on drug discovery, and he established a biotechnology consulting group that provided services to foreign governments, private companies, and financial organizations. He was also a U.S. Foreign Service officer that carried out an assessment of biotechnology in Western Europe while he was based at the U.S. Embassy in London. Previous to that he was a section chief at the National Cancer Institute and had done research and taught at Harvard University, Edinburgh University (UK) and Basel University (Switzerland). Dr. Yuan completed his Ph.D. at the Albert Einstein College of Medicine.