

Speakers and Panelists
Kansas Statewide EPSCoR Conference
October 6, 2009



Kristin Bowman-James

Kristin Bowman-James is University Distinguished Professor of Chemistry at The University of Kansas and Project Director of the Kansas NSF Experimental Program to Stimulate Competitive Research (EPSCoR). She received both undergraduate and Ph.D. degrees in Chemistry from Temple University in Philadelphia. During her graduate training she did two years of her research at the Israel Institute of Technology (Technion) in Haifa.

In 1975, Dr. Bowman-James was appointed Assistant Professor in the Chemistry Department at The University of Kansas and rose through the ranks, becoming the first woman to Chair the department from 1995-2001. In 2005 she was appointed statewide Project Director of the Kansas NSF EPSCoR. Bowman-James' research is in the field of supramolecular chemistry, particularly involving synthetic macrocycles as ligands for both anions and transition metal ions. She is especially recognized for contributions to the field of anion coordination chemistry, which is involved with the design, synthesis, and characterization of receptors for anionic species, and is a co-editor of the first book devoted exclusively to anion chemistry, *Supramolecular Chemistry of Anions*, published by Wiley-VCH. In recognition of Bowman-James' contributions to chemistry, she received the Iota Sigma Pi Award for Professional Excellence (2002), the Kansas Dolph Simons Sr. Award for Research Achievement (2002), and the Midwest Award for Research in Chemistry provided by the St. Louis Section of the ACS (2003). She was inducted into the Temple University Gallery of Success in 2004. In 2006 she received an NSF Creativity Award for her research in anion coordination chemistry. Bowman-James has also been active in promoting the careers of women in chemistry. She has served on the Advisory Board of COACH, the Committee for the Advancement of Women Chemists since it was formed in 1998, and received the Midwest Regional Award for Diversity presented by the ACS Women Chemists Committee (2002).



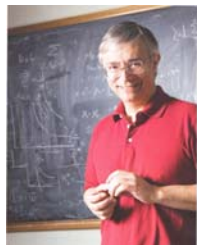
Walter K. Dodds

How does basic scientific research done at Kansas' universities benefit Kansas citizens? Contributions of Ecological Forecasting- University of Kansas, Kansas State University

Prof. Walter K. Dodds is a University Distinguished Professor in Biology at Kansas State University and his research interests include aquatic ecology, water quality, value of ecosystem goods and services, and general ecological theory.

He is the author of three books, *Freshwater Ecology* (2002, an undergraduate text book) *Humanity's Footprint* (2008, a general book on environmental issues, Laws, Theories and Patterns in Ecology (2009, a conceptual graduate level book), and has published more than 100 articles in the peer-reviewed literature.

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Jorge M. Soberón

Using scale-independent relationships between taxonomic categories to infer species numbers in poorly collected areas

Jorge Soberón, professor of Ecology and Evolutionary Biology at the University of Kansas, obtained his bachelor's of science and master's of science from the National University of Mexico and his Ph.D. from Imperial College, UK. From 1982 until 2005, he was a researcher at the Institute of Ecology, National University of Mexico.

He has about 80 publications in mathematical ecology, conservation ecology and macroecology. His current research interest is the modeling of ecological niches and species distributions. For 13 years, he conducted the national Commission on Biodiversity of México, developing an interest in the diplomatic aspects of biodiversity international negotiations.



Uma Venkateswaran

Uma Venkateswaran, EPSCoR Program Officer at the NSF, received her Ph.D. in Experimental Condensed Matter Physics in 1985 from the University of Missouri-Columbia. During 1985-1991, she was a Guest Scientist at the Max Planck Institute for Solid State Physics, Stuttgart, Germany, and a Research Associate at the State University of New York at Buffalo. In 1991, she joined the Physics Department at Oakland University in Rochester, Michigan as a faculty member.

Dr. Venkateswaran has taught several physics courses and carried out research in the area of optical properties of solids using spectroscopic and high pressure techniques. She has published more than 70 articles and made over 150 presentations at national and international conferences and institutions in the fields of semiconductors, ferroelectric oxides, fullerenes, and carbon nanotubes.

She was a Program Director in the Division of Materials Research, in the Condensed Matter Physics program and in the Office of Special Programs at the National Science Foundation before joining the EPSCoR Office earlier this year.

As EPSCoR Program Officer, her responsibilities include the Research Infrastructure Improvement Program: Inter-Campus and Intra-Campus Cyber Connectivity (RII C2); the Research Infrastructure Improvement Program: Track-1 (RII Track-1); and Research Infrastructure Improvement Program: Track-2 (RII Track-2).

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Charles O. (Chip) Rutledge

Charles O. (Chip) Rutledge served as Vice President for Research at Purdue University from 2002 until he retired in June, 2008. During his tenure as VPR, sponsored program awards more than doubled, surpassing \$334 million for the 2007-2008 academic year. Dr. Rutledge received a B.S. pharmacy at the University of Kansas in 1959 and a Ph.D. in pharmacology at Harvard in 1966. He was a NATO Postdoctoral Fellow in pharmacology in Gothenburg, Sweden, and was on the faculty in the Department of Pharmacology at the University of Colorado School of Medicine from 1967 to 1975.

Dr. Rutledge was then appointed Chairman of the Department of Pharmacology and Toxicology at the University of Kansas School of Pharmacy. In 1987, Dr. Rutledge was appointed Dean of the Schools of Pharmacy, Nursing, and Health Sciences at Purdue and served in this capacity until 2002. In 2001, he was appointed Executive Director for Discovery Park, a new 126 million dollar interdisciplinary research initiative on the Purdue campus.

Dr. Rutledge has been very active in the American Association of Colleges of Pharmacy, serving as Chair of the Council of Faculties, Chair of the Council of Deans, and Association President in 1996-97. He has also served on the Volwiler Award Committee, the Research and Graduate Affairs Committee, the Committee on the Present and Future Needs of the Council of Faculties, the Academic Management System Organizing Committee, and was a member of the Commission on Implementing Change in Pharmacy Education. Dr. Rutledge is a registered pharmacist in Kansas and Indiana. He served as the first Chair of the Indiana Drug Utilization Review Board.

Dr. Rutledge served as President of the American Society for Pharmacology and Experimental Therapeutics from 1996-97. He has served as Councilor and Treasurer of this organization. He currently is the Chairman of the Investment Subcommittee of the Finance Committee. His interest in financial affairs was also demonstrated when he served as Treasurer of the Federation of American Societies for Experimental Biology from 1994-96. He was Field Editor for the Journal of Pharmacology and Experimental Therapeutics and Editor of Biogenic Amines. Dr. Rutledge has been a member of two NIMH Review Committees and the NIGMS Pharmacological Sciences Review Committee, which reviews training grants in the pharmacological sciences.

Dr. Rutledge has published more than 150 papers and abstracts in the field of neuropharmacology. His research includes establishment of a model for studying the mechanism by which amphetamine releases biogenic amine neurotransmitters from nerve endings. He has also conducted studies on the biochemical-behavioral correlates in the use of levodopa for the treatment of Parkinsonism. Other studies have involved an examination of the lipid micro-environment of nerve endings as a determinant of the activity of proteins involved in neurotransmission.

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Kevin Carr

Kevin Carr is the Interim President and CEO of Kansas Technology Enterprise Corporation (KTEC).

Kevin Carr is closely involved with the process of translating university research into commercial outcomes. He has been responsible for strategic direction and oversight of the state's EPSCoR matching fund as well as a network of five university-based Centers of Excellence, which have an economic development mission.

KTEC is a state-chartered corporation charged with building science and technology infrastructure and directly developing high growth potential companies in Kansas, by providing research funding, hands-on business assistance, and direct equity investment for start-ups.

Working closely with incubators and other business assistance and investment resources, Carr has considerable experience as a liaison between emerging technology companies and the research assets of the state's universities. In his capacity with the EPSCoR program, he worked with the various EPSCoR directors, lead researchers and leading technology companies to provide lasting benefits to the state's infrastructure for technology-based economic development.



Sam Campbell

Sam Campbell has been involved in the funding and development of early stage technology and life science companies for more than two decades. He has been highly active on a regional basis in supporting life science and technology commercialization as demonstrated by his long standing relationship in a variety of roles with the Kansas Technology Enterprise Corporation, currently serving on the University Centers of Excellence Committee.

He is President of CritiTech, Inc., an early stage pharmaceutical drug delivery and development company that spun out of research done at the University of Kansas. CritiTech's principal focus is on the use of its patented technology for the production of nanoparticles of existing pharmaceutical compounds for pharmaceutical companies and in the development of drugs for its own development program.

Mr. Campbell is also President of Campbell-Becker, Inc., a company that specializes in assisting early stage companies with organizing and financing their growth. He and his associates have provided start-up capital to numerous life science companies and worked with them to develop their company strategy and implementation.

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Kenneth J. Klabunde

Kenneth J. Klabunde is a University Distinguished Professor of Chemistry at Kansas State University and Co-Director and Founder for NanoScale Corporation. NanoScale Corporation specializes in the manufacture and sale of nanopowders for environmental remediation, protection from chemical and biological toxins, catalysis and more. NanoScale employs 50 people and operated in a 20,000 square foot building built in

2002, in Manhattan.

Klabunde has been with KSU since 1979. He was previously with the University of North Dakota. He completed his B.A. in Chemistry at Augustana College in Rock Island, IL; his Ph.D at the University of Iowa; and his postdoctoral work at Pennsylvania State University. He has been the recipient of numerous Fellowships and Awards. He lectures and publishes frequently.



Matthew McClorey

Matthew McClorey serves as the President and CEO of the Lawrence Regional Technology Center where he is responsible for managing all facets of the business incubator's operations with a particular focus on providing "hands-on" business development and management consulting services to high-technology start-up companies. Some of the areas in which he assists companies include corporate

formation, market assessment, strategic planning, business plan development, early stage capital fundraising, operations management, financial management, marketing and sales. Since McClorey joined the LRTC, the center's clients have raised more than \$165 million.

In 2006, McClorey co-founded Mid-America Angels, a regional network of angel investors that provides capital to early-stage high-growth businesses. Since its inception, the organization has grown to nearly 100 members and has invested \$4.2 million.

Prior to joining LRTC, McClorey was Vice President of Business Development and Portfolio Management for the Kansas Technology Enterprise Corporation (KTEC). McClorey came to KTEC from Deloitte Consulting, where he was a senior consultant and worked primarily with Fortune 500 companies providing strategy and information technology consulting services.

McClorey earned his J.D. and M.B.A. from the University of Kansas and his B.A. in Business from Benedictine College.