

You are cordially invited to attend

CSU Accelerates

An unparalleled roundtable with distinguished multidisciplinary scholars presenting groundbreaking research and highlighting prospects for commercialization in the areas of Clean and Renewable Energy; Climate Change and Environmental Sustainability; and Translational Biomedicine

Wednesday, March 26, 2008 | 11:30 a.m.-4:30 p.m.
Offices of Chadbourne & Parke, LP
30 Rockefeller Plaza – 36th Floor, New York, New York

This is a free event. Seating is limited to 50 guests.
Invitation transferable with prior notification.

To RSVP, please visit: www.csuaccelerates.org



March 26, 2008
New York City

Schedule

Wednesday, March 26, 2008

- 11:30 a.m.- 12:30 p.m. | Registration and reception
- 12:30 p.m.- 1:45 p.m. | Luncheon and award presentations
- 2:00 p.m.- 3:30 p.m. | Concurrent breakout sessions
- 3:30 p.m.- 4:30 p.m. | Closing reception



Following lunch, guests are invited to participate in one of the following 90-minute concurrent panels.

Clean and Renewable Energy

Leading the Green Wave: Clean, Sustainable and Secure Solutions for Global Energy Demand

Colorado State University is internationally renowned for research into the development of clean energy solutions including alternative fuels, clean engines, photovoltaic devices and other solar energy production capabilities, intelligent electric power grids, wind engineering, water resources, and satellite-based atmospheric monitoring and tracking systems. The university's interdisciplinary approach leads directly to innovative research, new startup companies, and economic development with a global impact. CSU also is a leader in developing reliable, secure and ecologically sound energy alternatives and has a rich history of developing and implementing clean energy solutions. CSU is positioned as a global leader in the development of clean energy for the 21st century. Panelists will discuss clean and renewable energy research initiatives currently underway at CSU, discuss broader trends in energy research, and discuss how new strategic partnerships and institutional collaborations have and will continue to accelerate real-world solutions to global energy problems.

Panelists | Dr. Bill Farland | Dr. Dennis Ojima | Dr. Ron Segal | Dr. Bryan Willson

Climate Change and Environmental Sustainability

Climate Change and Sustainability: How Ecological Forecasting, and Ecosystem Monitoring and Management will Foster New Solutions for Addressing Threats to the Global Environment

As climate change and sustainability issues confront society, universities are now at the forefront of research addressing questions at regional and global scales. The modern and pre-historical record suggests that the Earth's climate system is capable of shifting dramatically to a different climate state, and changes in the frequency and intensity of extreme events may be a symptom of this process. Climate change is an urgent problem requiring global action to reduce emissions of carbon dioxide and other greenhouse gases as well as assessing the influence of changing climates on modern natural and agricultural ecosystems. Thus, confronting climate change depends, in many ways, on our abilities to 1) Forecast the Environmental Consequences of climate change, 2) Identify the key threats to ecosystem sustainability and 3) Monitor and develop new and sustainable ecosystem management strategies that can meet growing global needs for food while allowing for the stabilization of atmospheric CO2 concentrations at safe levels. Panelists will direct remarks to CSU's current and ongoing research in the following critical areas: Ecological and Environmental Forecasting; Threats to Biodiversity and Habitat Loss; and Ecosystem Monitoring and Management.

Panelists | Dr. Peter Dorhout | Dr. Eugene Kelly | Dr. Osvaldo Sala | Dr. Diana Wall

Translational Biomedicine

A New Model for Accelerating Interventions to Address Diseases of Global Consequence: The CSU Experience in Arthritis, Cancer, Dengue, Malaria, and Tuberculosis

Colorado State University's first two Superclusters™, in infectious disease and cancer, along with the world-renowned Equine Orthopaedic Research Laboratory, form the foundation of Translational Biomedicine – the ability to innovatively apply the cutting-edge results coming from world-class basic research laboratories to rapidly solve existing medical issues in real-time transitions to private sector partners. These units together represent more than 250 faculty and research staff with more than \$60M in annual funding – each led by an internationally renowned scientific leader committed to the concept of translational biomedicine. This underlying theme of translation into commercial application is the reason that each Colorado State Supercluster is linked to an enterprise arm housed outside the university as off-shoots of CSU Ventures, Inc., a 501(c)(3) corporation. Each is charged with developing transformative research collaborations, and efficiently moving discoveries to market through creative licensing partnerships and formation of startup companies. MicroRX™ is the enterprise arm of the Infectious Disease Supercluster and NeoTRES™ is the enterprise arm of the Cancer Supercluster. Panelists will discuss how transformative collaborations and efficiently moving discoveries to creative licensing partnerships and startup companies address such diverse conditions as cancer, arthritis and some of the planet's worst infectious diseases.

Panelists | Dr. Barry Beaty | Dr. Ron Marler | Dr. Wayne McIlwraith | Dr. Stephen Withrow

For full panelist biographies, please see reverse.

This event is sponsored by the Colorado State University Research Foundation.
Kathleen Henry, President/CEO | (970) 491-7135 | csugifts@csuf.colostate.edu



CLEAN AND RENEWABLE ENERGY

William Farland, Ph.D.

Dr. Bill Farland is Colorado State's Vice President for Research. Dr. Farland's career has been characterized by a commitment to developing national and international approaches to interdisciplinary research, testing, and assessment of the fate and effects of environmental agents. He brings decades of leadership experience in interdisciplinary research to his role at Colorado State, having previously served as the highest ranking career scientist at the Environmental Protection Agency. At the EPA, he was deputy assistant administrator for science in the Office of Research and Development and director of the Office of the Science Advisor, which serves as the authority on integrating sound science into regulatory decisions. He received his B.S. from Loyola University, his M.A. from UCLA, and his Ph.D. in Cell Biology from UCLA.



Dennis Ojima, Ph.D.

Dr. Dennis Ojima is a Senior Scholar at the H. John Heinz III Center for Science, Economics and the Environment. He is also a Senior Research Scientist of the Natural Resource Ecology Laboratory (NREL) at Colorado State University. His current U.S. research contributes to the North American Carbon Project. His research areas include global change effects on ecosystem dynamics and regional climate change assessment for the Central Great Plains, as well as international efforts in Central Asia, Mongolia, and China. Dr. Ojima is a member on the U.S. National SCOPE Committee and a member-at-large on the Governing Board of the Ecological Society of America. Dr. Ojima received his Bachelor's and Master's degrees in Botany from Pomona College and the University of Florida. He received his Ph.D. from the Rangeland Ecosystem Science Department at Colorado State University.



Ron Sega, Ph.D.

Dr. Ron Sega is a former NASA astronaut and Under Secretary for the U.S. Air Force. An expert in applying academic research to real-world situations, he now serves as Vice President of Applied Research with the Colorado State University Research Foundation, Professor of systems engineering in Colorado State's College of Engineering, and Special Assistant to the Vice President for Research. Designated the Department of Defense Executive Agent for Space, Dr. Sega developed, coordinated and integrated plans and programs for space systems and the acquisition of all DoD space major defense acquisition programs. He was responsible for developing an energy strategy for the Air Force that included an emphasis in renewable energy, purchasing approximately 1 million megawatt hours of renewable energy in 2005 and 2006. He graduated from the U.S. Air Force Academy and earned his master's degree from The Ohio State University and his doctoral degree in electrical engineering from the University of Colorado.



Bryan Willson, Ph.D.

Dr. Bryan Willson founded and directs one of the most influential engine research programs in the United States through Colorado State's Engines and Energy Conversion Laboratory. A Professor of Mechanical Engineering, he is founder and board member of EnviroFit International LLC, a non-profit corporation committed to improving global health through the development and dissemination of technology solutions to environmental problems in the developing world. He is the principal or co-principal investigator on over \$25 million in funded research. Dr. Willson serves as consultant and adviser to numerous government agencies, international development and environmental agencies, and private industries. He received his B.S. in Mechanical Engineering from Texas A & M University and his M.S. and Ph.D. in Mechanical Engineering from the University of Texas at Austin.



CLIMATE CHANGE AND ENVIRONMENTAL SUSTAINABILITY

Peter K. Dorhout, Ph.D.

Dr. Peter Dorhout is a recognized expert in solid state and materials chemistry and environmental chemistry. He currently serves as Vice Provost for Graduate Affairs and Assistant Vice President for Research at Colorado State. He is also a member of the Board of Directors for the Research Corporation, Inc., a philanthropic organization supporting advances in science in chemistry, physics, and astronomy. He maintains a collaboration in peaceful materials science development with the Russian Federal Nuclear Center – VNIIEF, Sarov, Russia, through the U. S. State Department. Dr. Dorhout received his B. S. in chemistry from the University of Illinois and his Ph. D. in chemistry from the University of Wisconsin. He researched part of his thesis while at Los Alamos National Laboratory, where he has maintained an 18-year collaborative relationship in nuclear materials.



Eugene Kelly, Ph.D.

Dr. Eugene Kelly specializes in the area of Pedology and Geochemistry with primary interests in the role of plants on soil formation, biogeochemistry of soils, and the use of soils to reconstruct ancient climates. His current research is centered in South Africa and focuses on the evolution and fundamental role of grasslands in global biogeochemical cycles. He is a Professor of Pedology at Colorado State University. He serves as an advisor to the U.S. Department of Agriculture with the National Cooperative Soil Survey and the National Research Initiative programs. He is the lead Principal investigator on the National Science Foundation's Short-Grass Steppe Long Term Ecological Research Project and the Central Plains National Ecological Observatory Network Site. Dr. Kelly received his B.S. and M.S. from Colorado State University and his Ph.D. from the University of California-Berkeley.



Osvaldo Sala, Ph.D.

Dr. Osvaldo Sala is an international leader in ecological science and global environmental policy. He is the Sloan Lindemann Professor of Biology and Director of the Center for Environmental Studies and the Environmental Change Initiative at Brown University. He is president of the Scientific Committee on Problems of the Environment and a coordinating lead author of the Millennium Ecosystem Assessment. Dr. Sala has explored several topics throughout his career from water controls on carbon and nitrogen dynamics in arid and semi-arid ecosystems to the consequences of changes in biodiversity on the functioning of ecosystems. Dr. Sala is an elected member of the American Academy of Arts and Sciences, the Argentinean National Academy of Sciences, and the Argentinean National Academy of Physical and Natural Sciences. He earned his B.S. in agriculture from the University of Buenos Aires in Argentina, and his M.S. and Ph.D. in Ecology at Colorado State University.



Diana H. Wall, Ph.D.

An internationally renowned soil ecologist and environmental scientist, Dr. Diana Wall is Professor of Biology and Senior Research Scientist, Natural Resource Ecology Laboratory at Colorado State University. Dr. Wall researches how life in soil contributes to healthy, fertile and productive soils and thus to society, and the consequences of human activities on soil globally. Her research includes 17 seasons in the Antarctic Dry Valleys examining how global changes impact soil biodiversity, ecosystem processes and ecosystem services. A Board Member of the World Resources Institute and Island Press, she has served also as President of the Ecological Society of America, American Institute of Biological Sciences, Association of Ecosystem Research Centers, the Society of Nematologists, and Chair, Council of Scientific Society Presidents. Dr. Wall received a B.A. and Ph.D. at the University of Kentucky, Lexington.



TRANSLATIONAL BIOMEDICINE

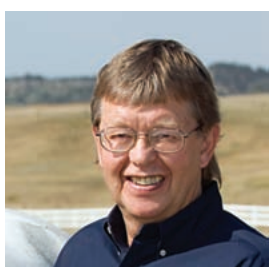
Barry Beaty, Ph.D.

Dr. Barry Beaty is known internationally as a world leader in the battle against infectious disease. His work to control the world's most deadly diseases has been funded by the National Institutes of Health, the Centers for Disease Control, the World Health Organization, the Gates Foundation, and the MacArthur Foundation. A Professor in Microbiology, Immunology, and Pathology at Colorado State, Dr. Beaty also founded and served as director of the Arthropod-borne Infectious Diseases Laboratory and the Rocky Mountain Regional Center of Excellence for Biodefense and Emerging Infectious Diseases. He is a member of the National Academy of Sciences, a fellow of the American Academy of Microbiology, and a Colorado State University Distinguished Professor. He received his doctorate from the University of Wisconsin and served on the faculty at Yale University before joining Colorado State in 1982.



Ronald J. Marler, D.V.M., Ph.D.

Dr. Ronald J. Marler has over 27 years of experience in the pharmaceutical research and product development industries. He is Executive Director for Clinical Trials, Director of the Procedural Skills Laboratory, Director of Core Research Laboratories, and Associate Director for Research at Mayo Clinic Arizona. He is also a Professor of Experimental Therapeutics and Molecular Pharmacology at the Mayo Clinic College of Medicine and is Board Certified by the American Board of Veterinary Pathologists and the American Board of Toxicology. He is Chief Scientific Officer and member of the Board of Directors at Bridge Global Pharmaceutical Services and a member of the Board of Trustees for the Colorado State University Research Foundation's CSU Ventures. Dr. Marler received his B.S., D.V.M., and Ph.D. from Kansas State University.



Wayne McIlwraith, B.V.Sc., Ph.D.

Dr. C. Wayne McIlwraith is a pioneer in the field of equine orthopaedic research and surgery and consults worldwide, treating some of the world's most prized horses including past Kentucky Derby winners. He led the veterinary profession in the development of its most important tools for treating joint disease. He is a Colorado State Professor in Clinical Sciences, holder of the Barbara Cox Anthony University Endowed Chair, and Director of the Orthopaedic Research Center, which leads the world as a center of comparative orthopaedic research. He received his veterinary degree from Massey University, New Zealand; his M.S. and Ph.D. degrees in the area of joint disease research at Purdue University; and the Dr. Med. Vet. (h.c.) degree from the University of Vienna. Dr. McIlwraith is a diplomate in the American College of Veterinary Surgeons and the European College of Veterinary Surgeons.



Stephen J. Withrow, D.V.M., DACVS, DACVIM

Dr. Stephen Withrow established the Animal Cancer Center at Colorado State University, now the largest animal cancer center in the world and the only veterinary cancer group to have more than 25 consecutive years of funding from the National Cancer Institute. Under his leadership, the Animal Cancer Center has built an international reputation for its collaboration with human cancer institutions such as the Mayo Clinic, the National Cancer Institute, and the M.D. Anderson Cancer Center. Dr. Withrow is internationally known for his ground-breaking work benefiting companion animals and humans. He is a University Distinguished Professor at Colorado State and holds the Stuart Endowed Chair in Oncology. He also serves as Director of the Supercluster in Cancer Research and Chief Science Officer of NeoTREN. He earned his undergraduate and D.V.M. degrees from the University of Minnesota.