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MARS
Program

4:00 pm  **Welcome**

Alan I. Leshner  
Interim Chief Executive Officer, AAAS,  
and Executive Publisher, *Science* Family of Journals

4:10 pm  **Science and Policy: Their Yin and Yang**  
**Dynamic and Global Food Security**

Robert Zeigler  
Director General Emeritus, International Rice Research Institute, Philippines

4:50 pm  **Panel Discussion With Dr. Zeigler**

**MODERATOR**

Catherine Woteki  
President, Charles Valentine Riley Memorial Foundation;  
Professor of Food Science and Human Nutrition, Iowa State University;  
and Visiting Distinguished Institute Professor, University of Virginia

**DISCUSSANTS**

Ann Bartuska  
Vice President for Land, Water and Nature, Resources for the Future

Joseph Glauber  
Senior Research Fellow, International Food Policy Research Institute;  
and Visiting Scholar at the American Enterprise Institute

Andrew W. “Andy” LaVigne  
President and Chief Executive Officer, American Seed Trade Association
Lecture Participants
Robert Zeigler

Dr. Robert Zeigler began his career with a stint in the Peace Corps in the early 1970s in what is now known as the Democratic Republic of the Congo and has spent over 35 years living and conducting scientific research in developing countries. He devoted his professional career to sustainably improving cereal production, primarily rice. Originally trained as a plant pathologist, he led increasingly complex multidisciplinary research programs culminating in his appointment as Director General of the International Rice Research Institute in 2005, a position he held until his retirement from IRRI in 2016. He has worked closely with policy makers and very senior government officials in rice-producing countries in Africa, Latin America and Asia to link the potential of new technologies to political and economic realities. His book, *Sustaining Global Food Security: The Nexus of Science and Technology* will be jointly published by CSIRO (http://www.publish.csiro.au/book/7734/) and Oxford University Press in September, 2019. He now lives with his family in Portland, Oregon.

Alan I. Leshner

Dr. Alan I. Leshner was appointed Interim Chief Executive Officer of the American Association for the Advancement of Science (AAAS) in July 2019. He previously served as AAAS CEO and Executive Publisher of the Science family of journals from 2001 to 2015, when he became CEO Emeritus. AAAS was founded in 1848 and is the world’s largest multidisciplinary scientific and engineering society. Before coming to AAAS, Leshner was Director of the National Institute on Drug Abuse (NIDA) from 1994 to 2001. Before becoming Director of NIDA, Leshner had been the Deputy Director and Acting Director of the National Institute of Mental Health. He has also held a variety of senior positions at the National Science Foundation and served as a professor of psychology at Bucknell University. Leshner received an undergraduate degree in psychology from Franklin and Marshall College, and M.S. and Ph.D. degrees in physiological psychology from Rutgers University. He has been awarded seven honorary Doctor of Science degrees. Leshner is an elected fellow of AAAS, the National Academy of Public Administration, the American Academy of Arts and Sciences, and many other professional societies. He is a member of the National Academy of Medicine, and served two terms on its governing Council. He was appointed to the National Science Board by President Bush in 2004 and reappointed by President Obama in 2010.
**Ann Bartuska**

Dr. Ann Bartuska leads the Land, Water, and Nature Program at Resources for the Future (RFF). She joined RFF in 2017 after serving as the US Department of Agriculture’s (USDA’s) Deputy Under Secretary for Research, Education, and Economics as well as chief scientist. Prior to USDA, Dr. Bartuska held a host of leadership positions, including Deputy Chief for Research and Development of the US Forest Service. She also has served in several appointments, including as executive director of The Nature Conservancy’s Invasive Species Initiative and president of the Ecological Society of America. She currently is serving as co-chair of the National Academy of Sciences standing committee on Science Communications. Dr. Bartuska is an ecosystem ecologist with degrees from Wilkes College (B.S.), Ohio University (M.S.) and West Virginia University (Ph.D.).

**Joseph Glauber**

Dr. Joseph Glauber is a Senior Research Fellow at the International Food Policy Research Institute and a Visiting Scholar at the American Enterprise Institute. Prior to joining IFPRI, Glauber spent over 30 years at the U.S. Department of Agriculture including as Chief Economist from 2008 to 2014. As Chief Economist, he was responsible for the Department’s agricultural forecasts and projections, oversaw climate, energy and regulatory issues, and served as Chairman of the Board of Directors of the Federal Crop Insurance Corporation. From 2007-2009, Glauber was the Special Doha Agricultural Envoy at the office of the U.S. Trade Representative where he served as chief agricultural negotiator in the Doha talks. He served as economic adviser at the so-called Blair House agreements leading to the completion of the Uruguay Round negotiations and was senior economist for agriculture at the President’s Council of Economic Advisers. He is the author of numerous studies on crop insurance, agricultural policy, and agricultural trade issues. Dr. Glauber received his Ph.D. in agricultural economics from the University of Wisconsin in 1984 and holds an AB in anthropology from the University of Chicago. In 2012, he was elected Fellow of the Agricultural and Applied Economics Association.
Andrew W. “Andy” LaVigne

Mr. Andrew W. “Andy” LaVigne has had a 25-year career in government relations, public affairs advocacy and management. Within the areas of agriculture, food policy and international trade, he has a broad range of expertise. Prior to being named CEO of American Seed Trade Association in 2006, Andy was Executive Vice President/CEO of Florida Citrus Mutual, representing citrus growers on issues affecting their business. Earlier, he spent four years as President and Executive Director of Florida Fertilizer and Agrichemical Association, a non-profit agricultural trade organization representing companies that specialize in crop protection and plant nutrition products. Andy has served on the Agriculture Trade Advisory Committee for Fruits and Vegetables for USDA; Agriculture Policy Advisory Committee for the USDA and USTR; USDA-APHIS Systems Approach Review Group; U.S. Chamber of Commerce Food and Agriculture Committee; and several other state and national industry committees and advisory groups. Prior to entering the association management field, Andy worked for a decade on Capitol Hill, as Legislative Director for Rep. Charles Canady and earlier, as Agriculture Committee staffer for Rep. Tom Lewis. He holds a B.A. in political science with a minor in economics from the University of Florida.

Catherine Woteki

Dr. Catherine Woteki is President of the Charles Valentine Riley Memorial Foundation and holds positions as Professor of Food Science and Human Nutrition at Iowa State University and Visiting Distinguished Institute Professor in the Biocomplexity Institute of the University of Virginia. She served as Chief Scientist and Under Secretary for USDA’s Research, Education, and Economics (REE) mission area from 2010 to 2016. In that role, she developed the Office of the Chief Scientist, established the USDA Science Council, and instituted the Department’s first scientific integrity and open data policies. Dr. Woteki is an advocate for building the platforms needed to enhance domestic and international food and agricultural research.
About the Lecture and Partner Organizations
Launched in 2010, the AAAS Charles Valentine Riley Memorial Lecture aims to promote a broader and more complete understanding of agriculture as the most basic human endeavor and to enhance agriculture through increased scientific knowledge.

The American Association for the Advancement of Science

Founded in 1848, the American Association for the Advancement of Science is an international, nonprofit organization dedicated to advancing science, engineering and innovation for the benefit of all people. With more than 120,000 individual members in more than 91 countries, AAAS is the world’s largest multidisciplinary scientific society and a leading publisher of cutting-edge research through the Science family of journals. As one of the top voices for science worldwide, we spearhead initiatives in policy, international cooperation and diplomacy, STEM education, public engagement, and more. We strive to promote and defend the integrity of science and its use, provide a voice for science on societal issues, and strengthen and diversify the science and technology workforce. More information is available at www.aaas.org.
Charles Valentine Riley Memorial Foundation

The Charles Valentine Riley Memorial Foundation is committed to promoting a broader and more complete understanding of agriculture and to building upon Charles Valentine Riley’s legacy as a “whole picture” person with a vision for enhancing agriculture through scientific knowledge. RMF, founded in 1985, recognizes that agriculture is the most basic human endeavor and that a vibrant, robust food, agricultural, forestry and environmental resource system is essential for human progress and world peace. RMF conducts a wide range of program activities that includes discussion groups, forums, round tables, workshops, briefing papers and lectures on various parts of the food, agricultural, forestry and environmental resource system. RMF’s goal is to have all world citizens involved in creating a sustainable food and agriculture enterprise within a responsible rural landscape. More information is available at www.rileymemorial.org.

World Food Prize Foundation

Founded by Nobel laureate and “Father of the Green Revolution” Dr. Norman E. Borlaug, the World Food Prize is a $250,000 award presented annually for breakthrough achievements in science, technology and policy that have improved the quality, quantity and availability of food in the world. Termed “the Nobel Prize for Food and Agriculture” by several heads of state, it is presented each October in conjunction with a week of events that includes the international Borlaug Dialogue symposium and gathers pre-eminent global leaders and experts representing over 65 countries. The 2018 World Food Prize events will take place Oct. 17-19 in Des Moines, Iowa. Information about the World Food Prize events, highlights from past Borlaug Dialogue symposia and nomination criteria are available at www.worldfoodprize.org.