

**2023 MBL Seminar Series**  
*Distinguished Scientist Seminar- Semester in  
Environmental Science*

**Oswaldo Sala Ph.D.**  
**Julie A Wrigley, Regents' and Foundation Professor**  
**Arizona State University**

*Effect of Climate Change in Drylands:  
Amount and Variability of Precipitation*

**September 15<sup>th</sup> —11:30 AM, Speck Auditorium,  
MBL, Woods Hole, MA**

Oswaldo Sala is a Regents' and Foundation Professor, at Arizona State University, where he contributes to both the School of Life Sciences and School of Sustainability. He is also the Founding Director of the Global Drylands Center. He came to ASU in 2010 from Brown University where he was the founding Director of the Environmental Change Initiative and the Sloan Lindemann Professor of Biology. Oswaldo has been trained as a dryland ecologist working from the local to the global levels. He is known for his large-scale field manipulative experiments simulating climate change around the world. At the global scale, he has developed highly cited (>11,000 citations) scenarios of biodiversity change for the year 2100. He has had a prolific scientific production with more than 62,000 citations and H>100. His work has been truly interdisciplinary, collaborating with geologists, social scientists, mathematicians and humanists. Oswaldo Sala received PhD (1982) and MSc from Colorado State University and BSc from University of Buenos Aires. Oswaldo Sala served in numerous national and international institutions from the Scientific Committee on Problems of the Environment, Millennium Ecosystem Assessment and IPCC (Intergovernmental Panel on Climate Change) to being President of the Ecological Society of America. He has been a contributor to several reports associated with global change including IPCC, Global Biodiversity Assessment and Millennium Ecosystem Assessment. He has received several recognitions to his academic work including being an elected Member of the American Academy of Arts and Sciences, the Academy of Sciences of Argentina, Fellow of the American Geophysical Union, the American Association for the Advancement of Science and the Ecological Society of America.

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**Kai Bischof Ph.D.**  
University of Bremen, Germany

*Seaweed Biology in a Changing Arctic*

**December 1<sup>st</sup> – 11:30 AM, Speck Auditorium,  
MBL, Woods Hole, MA**

Professor Dr. Kai Bischof is Head of the Department of Marine Botany at the University of Bremen, Germany. His research covers all aspects of seaweed ecophysiology, with a focus on the field of acclimation to abiotic drivers and mechanisms of range expansion. He received his PhD from University of Bremen in 2000 studying the effects of UV radiation on macroalgae in polar regions. He carried out two post-doctoral fellowships: first at the Alfred Wegener Institute for Polar and Marine Research, in Bremerhaven, Germany and the Department of Marine Biology, University of Groningen, The Netherlands prior to becoming Assistant Professor for Biological Oceanography, Institute for Polar Ecology at the University of Kiel, Germany. He has mentored graduate students in projects focused on ecophysiology of macroalgae spanning polar to tropical environments.