

Jennifer Burney

Associate Professor of Environmental Science at UC San Diego

La Jolla, CA, US

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Biography

Jennifer Burney is an environmental scientist at UC San Diego's School of Global Policy and Strategy whose research focuses on simultaneously achieving global food security and mitigating climate change. She designs, implements and evaluates technologies for poverty alleviation and agricultural adaptation, and studies the links between "energy poverty" – the lack of access to modern energy services – and food or nutrition security, the mechanisms by which energy services can help alleviate poverty, the environmental impacts of food production and consumption, and climate impacts on agriculture. Her research spans developing and developed regions, and she is particularly interested in the science, technology and policy of short-lived climate pollutants, or SLCPs, and the role that mitigation of these compounds can play in meeting both climate and food security objectives. She is a research affiliate at UC San Diego's Policy Design and Evaluation Laboratory, UC San Diego's Center for Energy Research, and the Center for Effective Global Action (CEGA); she is also a member of the National Geographic Explorers family. She leads the Science Policy Fellows Program at the School.

Areas of Expertise

Climate Impacts on Agriculture, Science, Energy Poverty, Global Food Security, Short-Lived Climate Pollutants, Environmental Impacts of Food Production and Consumption

Affiliations

2017: American Geophysical Union Global Environmental Change Early Career Award, 2014: Named Kavli Frontiers of Science Fellow, 2014: Named Hellman Fellow, 2011: Named National Geographic Emerging Explorer

Education

Stanford University

Ph.D. Physics

Harvard College

A.B. History and Science

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