



The NSF-CREST Center for Cellular and Biomolecular Machines uses an interdisciplinary approach combining physical, biological and engineering methods to understand and control the functioning of multi-scale assemblies of biomolecules and cells, and to design and develop novel bio-inspired functioning machines ranging from designer cells and tissue to diagnostic and therapeutic devices. The center also focuses on enhancing biophysics, biochemistry and bioengineering graduate and undergraduate education; leading STEM outreach activities in the Merced area for teachers, students, and the community; and broadening participation in STEM fields.

Hosted by the NSF-CREST Center for Cellular and Biomolecular Machines
at the University of California, Merced

Science for Humanity Series

An Interview with Dr. Ken Caldeira on Climate Change

Senior Advisor, Climate Science, Gates Ventures

Staff Scientist (Emeritus), Carnegie Institution for Science, Stanford University



Thursday, October 15, 2020
10:00 - 11:00 am Pacific

[Via Zoom](#)

[REGISTER](#)



Ken Caldeira, Ph.D.

Join us for an interactive session with renowned scientist Dr. Ken Caldeira.
All are welcome. Questions will be invited from the audience.

*The [Science for Humanity Series](#) invites general audiences to
attend engaging & societally relevant scientific sessions.*

About Ken Caldeira, Ph.D.

Ken Caldeira serves as Senior Advisor, Climate Change for Gates Ventures and is a climate scientist at the Carnegie Institution for Science, where his job is “to make important scientific discoveries.” He also serves as a Professor (by courtesy) in the Stanford University Department of Earth System Science. Among Caldeira’s key contributions to science are his relatively early recognition of the threats posed by ocean acidification, his pioneering investigations into the environmental consequences of intentional intervention in the climate system (“geoengineering”), and the first peer-reviewed study to estimate near-zero-emission energy needs consistent with a 2°C climate stabilization target. He has also played a central role in helping to elucidate what our understanding of long-term geochemical cycles implies for the fate of today’s carbon dioxide emissions. More recently, he has been focusing on trying to understand what sorts of energy systems could facilitate a transition to a near-zero emission economy that will allow both human and natural systems to flourish. <https://dgc.carnegiescience.edu/people/kcaldeira>



Contact: CCBM Executive Director, Carrie Kouadio, ckouadio@ucmerced.edu
ccbm.ucmerced.edu

An NSF Center of Research Excellence in Science and Technology (CREST)

UC Merced • 5200 North Lake Road • Merced, CA 95343

