

# About the Authors

**Keith A. Sverdrup** is a Professor of Geophysics at the University of Wisconsin–Milwaukee [UWM] where he has taught oceanography for twenty-five years and conducts research in tectonics and seismology. He is a recipient of UWM’s Undergraduate Teaching Award. Keith received his B.S. in Geophysics from the University of Minnesota and his Ph.D. in Earth Science with a dissertation on seismotectonics in the Pacific Ocean basin from the Scripps Institution of Oceanography.



Keith has been active in educational programs of the American Geophysical Union [AGU], the American Institute of Physics [AIP], and the Geological Society of America [GSA]. He was a member of AGU’s Education and Human Resources Committee for twelve years [chairing it for four years], and also chaired AGU’s Excellence in Geophysics Education Award Committee, the Editorial Advisory Committee for Earth and Space, and the Sullivan Award Committee for excellence in science journalism. Keith served as a member of AIP’s Physics Education Committee for six years. He is a member of the American Geophysical Union, American Society of Limnology and Oceanography, Oceanography Society, Geological Society of America, National Association of Geology Teachers, National Science Teachers Association, and Sigma Xi. Keith was the Geosciences Program Officer at the National Science Foundation’s Division of Undergraduate Education from 2005–2007.

**Dr. Virginia (Ginger) Armbrust** is a Professor in the School of Oceanography at the University of Washington, where she teaches and conducts research on marine phytoplankton. She received her A.B. in Human Biology from Stanford University and her Ph.D. in Biological Oceanography from Massachusetts Institute of Technology and Woods Hole Oceanographic Institution.



Ginger directs research projects that examine the biodiversity, physiology, and ecology of marine phytoplankton, to understand how these organisms shape and respond to changes in their habitats. She was the lead scientist for an international project to determine the entire DNA sequence of a marine diatom to better understand how these organisms function in their environment. She is the co-director of the Pacific Northwest Center for Human Health and Ocean Studies, created in response to the need to understand the links between ocean processes and human health. She is the director of the Center for Environmental Genomics in the College of Ocean and Fisheries Science and is a Gordon and Betty Moore Foundation Investigator in Marine Microbiology.

Ginger teaches at both the undergraduate and graduate levels, and she has twice received her college’s Distinguished Graduate Teaching Award. She has supervised the research of thirty undergraduates in her laboratory and has served as either the chair or a member of the Research Advisory Committee for forty graduate students. As a mentor for “Partners in Science,” she has supervised the summer research of high school teachers in her lab.