

## California Section American Chemical Society



All are welcome

**Saturday, June 1, 2019**

**Chevron, Energy and Technology  
Center**

**Building 10, Auditorium**

**100 Chevron Way**

**Richmond, CA 94801**

### Title

**Health of Coral Reefs**

### Time

10:30 – 11:00 a.m.

Snacks and coffee,

11:00 a.m.

Discussion and lunch

### Reservation Required

Please register (including lunch or for talk only) by email to [office@calacs.org](mailto:office@calacs.org) or by phone 510.351.9922. If mailing a check in advance, please make payable to: "California Section ACS" and send to Cal Section office, 2950 Merced Street #225, San Leandro, CA 94577, postmarked no later than May 25, 2019.

### Cost

\$15 (\$8 for students and the unemployed)

### Directions

**From I-580 E:** Take the I-580 E to Exit 7 toward I-80E/Richmond Pkwy/Point Richmond. Continue on E Standard Ave. Continue onto E Standard Ave, slight left onto Castro St. Turn left at light toward Gate 14. Parking lot is on the left. Enter through lobby.

**From I-580 W:** Take I-580W/ I-80E towards Berkeley/Sacramento. Use right 2 lanes to take exit 13B for I-580 towards San Rafael/Point Richmond. Continue 1-580W to exit 7B towards Richmond Pkwy. Go straight through the light towards Gate 14. Parking lot is one the left. Enter through the lobby.

## About the Speaker



**Dr. Rebecca Albright**

Dr. Rebecca Albright is Assistant Curator and McCosker Chair of Aquatic Biology at the California Academy of Sciences in San Francisco. She is a coral reef biologist with expertise in coral reef biology, ecology, and biogeochemistry. Her research focuses on the ability of coral reefs to cope with changing environmental conditions such as ocean acidification and warming. She has worked in academic, government, and non-profit settings and has studied coral reefs around the world, ranging from the Florida Keys to the Great Barrier Reef. She works across scales (ranging from single cell interactions to reef-scale processes) and disciplines (biology, ecology, biogeochemistry) to foster a systems-level understanding of how coral reef ecosystems will fare in today's changing world. In addition to her commitment to research, Rebecca's passion for community engagement has been fostered by years working with non-profits and citizen science organizations that focus on educating communities about coral reef conservation and management.

## Abstract

Already under severe pressure from a number of stressors, including overfishing and pollution, coral reefs are also among the most vulnerable ecosystems to climate change and ocean acidification: We have lost an estimated 50% of the world's coral reefs over the last several decades and are projected to lose more than 90% by 2050. While acute disturbances such as temperature-induced coral bleaching are largely responsible for accelerated reef decline in recent years, chronic disturbances like ocean acidification erode a reef's capacity to recover by slowing growth and reproduction. In this talk, I will introduce ocean acidification and provide an overview of the current status of knowledge regarding the impacts of changing seawater chemistry on various aspects of coral reef biology, ecology, and biogeochemistry.

