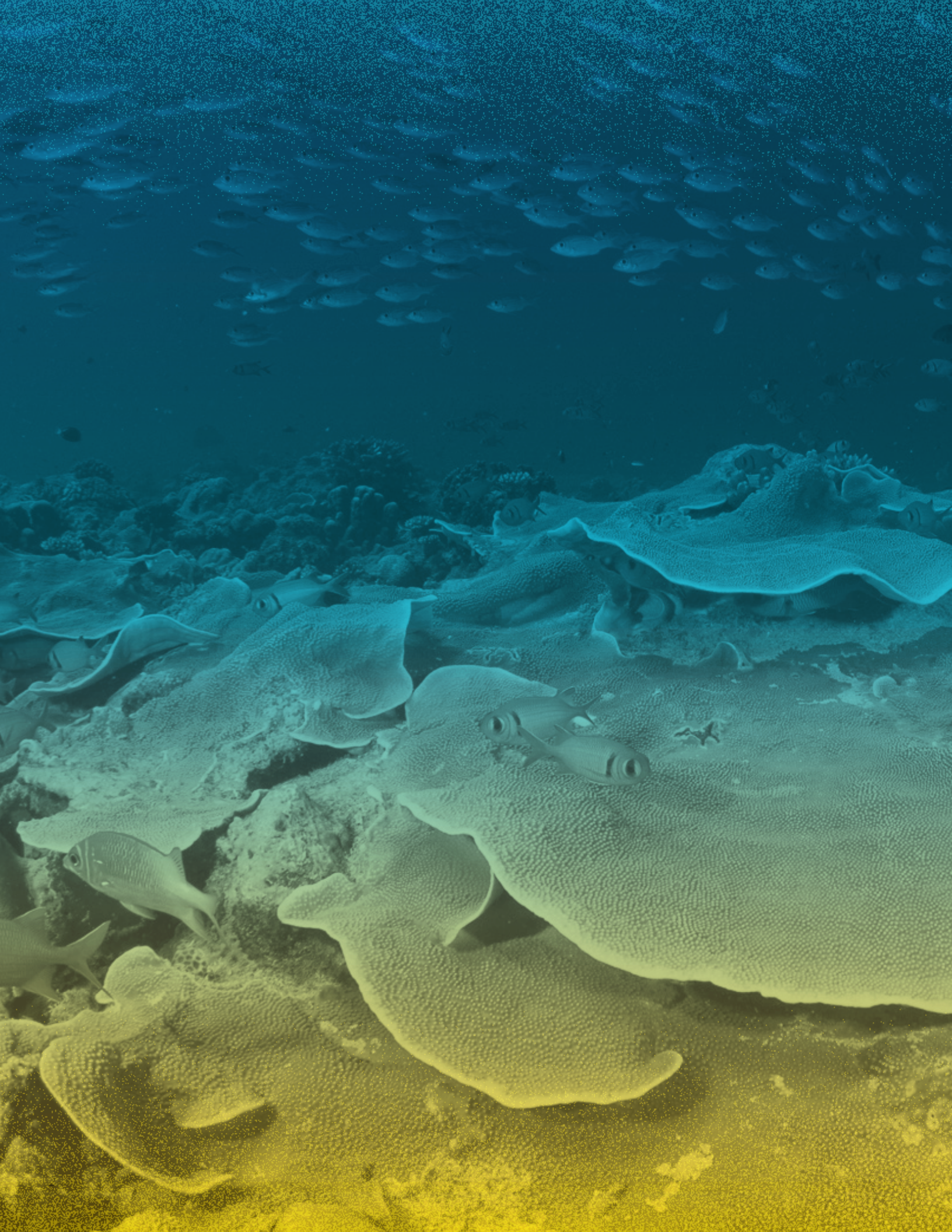
UC San Diego | SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHILANTHROPIC PRIORITIES

Support our mission to seek, teach and communicate scientific understanding of the oceans, atmosphere, Earth and other planets for the benefit of society and the environment.

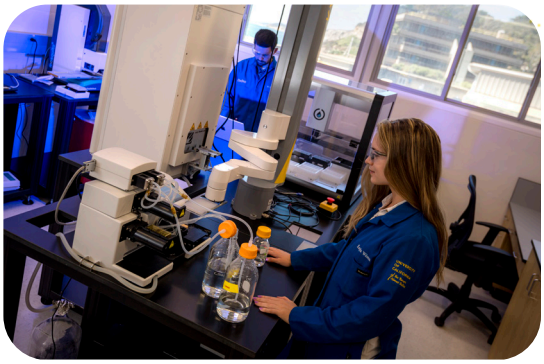


ENHANCING THE STUDENT EXPERIENCE

GRADUATE SUPPORT

Provide fellowship opportunities that enable graduate students to follow their research interests and pursue their scientific dreams.

> *"I was enticed by the ability to work at the cutting edge of new technology and conservation, as well as the opportunity to participate in scientific diving expeditions around the world."*
>
> –ORION MCCARTHY, 5TH YEAR PHD STUDENT



In the Illumina Lab in Scholander Hall, PhD student Kayla Wilson operates a new bulk reagent dispenser, which can rapidly fill well plates with two different liquids. In the background, postdoctoral scholar Timothy Fallon programs a liquid handling robot.

UNDERGRADUATE SUPPORT

Enhance the education of Scripps undergraduate students as they explore more than 45 courses covering a wide breadth of earth and marine sciences.

Undergrad students in SIO 136: Marine Biology Laboratory measure photosynthesis and respiration rates of algae they collected from the beach.

STUDENT DIVERSITY

The diversity of personal experiences, values and world views that arise from differences of culture and circumstance among students at Scripps strengthens our institution and our mission.

Student researchers serve on panels and commissions charged with analyzing complex global problems and generating solutions where diversity of perspectives and expertise is understood as a critical asset. With your help, we can further grow our diversity initiatives.

The Scripps SCUBA DIVERsity Program increases access to SCUBA training for outstanding undergraduate and graduate students.

SPARKING
RESEARCH AND INNOVATION

CLIMATE CHANGE AND RESILIENCE TO HAZARDS

As humankind faces unprecedented changes in climate patterns, sea level, ocean acidity, oxygen levels and ecosystems, researchers engage with engineering, policy, social science and business to discover and test adaptation solutions. Using environmental records and novel instruments, they also study natural hazards and the threats they pose to communities, agencies and first responders to become more prepared and resilient in the face of earthquakes, wildfires, tsunamis and coastal flooding.

Scripps Oceanography researchers install tide gauges designed to assess wave characteristics and the arrival time of floodwater to upgrade flood alert capabilities and refine the forecasting system.

Scripps researchers conduct routine maintenance at an atmospheric river monitoring station at New Bullards Bar Reservoir in Yuba County, California.

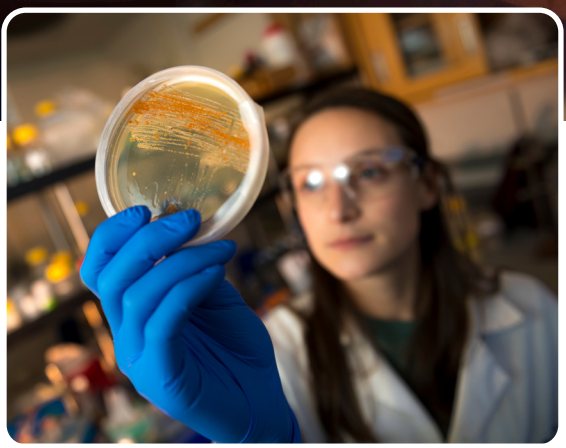
CENTER FOR MARINE BIODIVERSITY AND CONSERVATION (CMBC)

Help the Center for Marine Biodiversity and Conservation (CMBC) maintain a diverse and sustainable ocean. CMBC researchers develop knowledge and solutions for socio-environmental marine systems. Current projects include maintaining the integrity of deep ocean ecosystems, combatting plastic polution, conserving and restoring island habitats, supporting sustainable seafood efforts, and many more.

Scripps Oceanography scientists conduct research for the 100 Island Challenge, a Scripps-led project that aims to collect coral reef data from 100 islands across the globe, providing a baseline health assessment for islands ranging from moderately to heavily fished.

CENTER FOR MARINE BIOTECHNOLOGY AND BIOMEDICINE (CMBB)

The Center for Marine Biotechnology and Biomedicine (CMBB) is dedicated to the exploration of the ocean and its connection to improving human health. Research programs focus on marine resources, from genes and molecules to organisms and ecosystems, that hold promise in the betterment of our well-being. CMBB scientists investigate a wide range of biotechnologies, from the special properties of deep-sea marine microbes to applications of transgenic "model" marine organisms.



Researchers in the Amro Hamdoun lab utilize sea urchins as model organisms for studying gene activity.

PhD student Kate Bauman streaks new Salinispora *cultures for further study in a biosafety cabinet. These bacterial cultures produce* salinosporamide A*, a potent anticancer agent discovered in the Moore Lab at Scripps Institution of Oceanography and currently in phase III clinical trials for glioblastoma.*

ENRICHING
OUR CAMPUS COMMUNITY

BIOMEDICAL AUTOMATION FACILITY (BAF)

Contribute to making this groundbreaking facility a reality for harvesting marine biotechnology and biomedicine data alongside UC San Diego's powerhouse engineering enterprise. As an automation hub for the Center for Marine Biotechnology and Biomedicine, its development will enable advanced research at the intersection of ocean sciences and human health. It will also become a training tool for students as they prepare to enter the biotechnology and genomics workforce.

TED AND JEAN SCRIPPS MARINE CONSERVATION AND TECHNOLOGY FACILITY

Contribute to the development of this new hub for interdisciplinary research and education on marine conservation. This facility supports undergraduate and graduate coursework in marine biodiversity, conservation, resource management, advanced statistical analysis and associated disciplines. It houses the Center for Marine Biodiversity and Conservation and will be home to the research labs of Stuart Sandin and Jennifer Smith, experts in coral reef ecology and marine biodiversity. Some additional key research assets are expected to be installed within the upcoming years, including a state-of-the-art saltwater research aquarium with seawater pumped directly from the Pacific Ocean.

UNRESTRICTED SUPPORT

Support Scripps Oceanography to address the current research and campus needs. Scripps is one of the world's most important centers for global earth science research and education. For more than a century, Scripps has played an important role in creating a healthier planet for future generations, and philanthropy continues to play a vital part in helping Scripps achieve that goal.

At UC San Diego, we believe that what we don't know today will forever change our tomorrows. Empowered by generosity and fueled by curiosity, we are unafraid to chase the unknown — to ask the questions no one has asked before and to push the boundaries of possibility.

Together with your support for Scripps Institution of Oceanography, we will unite diverse people and unconventional perspectives to propel limitless impact. Because we know that when we come together, nothing is beyond us.

For more information about giving to Scripps Institution of Oceanography, please email supportscripps@ucsd.edu.

Scripps Institution of Oceanography
University of California San Diego
9500 Gilman Drive # 0210
La Jolla, CA 92093-0210

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