



UC SAN DIEGO HEALTH RESEARCH

INNOVATING TOWARD GREATER HUMAN HEALTH

Collaborative innovation is an integral part of who we are at UC San Diego and UC San Diego Health. We partner across campus, across disciplines and even across institutions to nurture a culture that sparks discovery, advances clinical care, and fulfills our goal of creating a healthier world – one life at a time – through new science, new medicine and new cures. Drawing upon our expert faculty, world-class resources and brilliant partners across the Torrey Pines Mesa, we are redefining the future of health care through groundbreaking basic and translational research.

Working with other research leaders, we form interdisciplinary powerhouses to accelerate our ability to diagnose, prevent, treat and even cure disease. We use our UC San Diego Supercomputer Center to analyze intricate genetic data and inform the development of novel therapies. Sanford Stem Cell Clinical Center is home to multiple first-in-human trials, and we are the only institution to translate stem cell treatments into viable therapeutic solutions – three in eight years. Our physician-scientists work to understand and treat even the rarest diseases through efforts involving the Undiagnosed Disease Center within UC San Diego School of Medicine and the Rare Tumor Clinic within the Center for Personalized Cancer Therapy, which serves the 25% of patients battling tumors so unique that precision medicine may be the only option.

1ST IN THE REGION TOP 25 IN THE NATION

Best academic medical centers
(U.S. News & World Report)

RENOWNED FACULTY

70 current and emeriti faculty members elected to the National Academy of Sciences

5TH IN RESEARCH FUNDING

Among public schools receiving NIH funding

6TH IN THE NATION

Among public research-intensive medical schools
(U.S. News & World Report)

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, we unite diverse people and unconventional perspectives to propel limitless impact. Because we know that when we come together, nothing is beyond us.

UC San Diego
Health Sciences



Together with your philanthropic support we can continue our tradition of excellence in discovery, interdisciplinary cooperation and transformative research as we work to serve our local, national and international communities through better health.

[Learn more at giving.ucsd.edu.](https://giving.ucsd.edu)

PRIORITIES FOR PATIENT-CENTERED RESEARCH

You can fuel our extraordinary physician-scientists' and researchers' efforts to find effective, real-world therapies that improve outcomes and enhance quality of life for patients who trust us with their care. With your support, we can further explore the world's most pressing health care issues and translate our findings to clinical trials — and to treatments and cures — better and faster than many of our peer institutions.

The following represent just a few of the many ways you can help transform the future of health care research.

RESEARCH AND INNOVATION

- » Propel **precision medicine research**, one of the most promising opportunities for treating and eventually eradicating cancer. It leverages immunotherapy, genomics and stem cell research to determine the genetic makeup of each patient's cancer and better target his or her disease.
- » Accelerate our leading-edge **stem cell science research**, which helps to reveal how diseases develop and create stem cell therapies to counteract them.
- » Support efforts to study the etiology of **cardiovascular disease** and identify unique disease biomarkers.
- » Increase our **Alzheimer's disease research** efforts with a strong focus on preclinical studies and Phase 1 clinical trials, which are some of the slowest but most integral steps physician-scientists must take toward eradicating this devastating disease.
- » Contribute to our society's ability to **age healthfully**, with investigations into how genetics and medical history affect the aging process, and how new imaging technology can reveal brain inflammation and how it relates to cognition.