



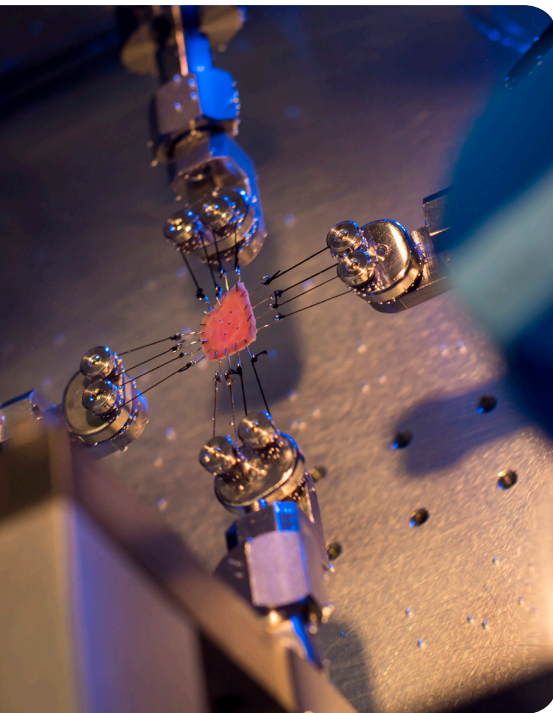
SHU CHIEN-GENE LAY DEPARTMENT OF BIOENGINEERING

ANYTHING BUT OLD SCHOOL

FIRST AND FOREMOST — SINCE THE BEGINNING

For nearly 60 years, UC San Diego Department of Bioengineering has been in the vanguard: We were one of the very first bioengineering programs in the nation when we opened our doors to students in 1966, and it was UC San Diego faculty members who launched the region's first biotechnology company — Hybritech — in 1978. Since then, our undergraduates, graduate students, faculty and alumni have gone on to transform the field as innovative entrepreneurs, visionary researchers and inspirational mentors, sharing expertise with academic institutions across the country and paving the way for transformative bioengineering breakthroughs.

So it is no surprise that our students and faculty are continuing to push the boundaries of the known and the possible. We are training a new breed of bioengineer, one equipped to apply engineering analysis to clinical research and to develop solutions to humanity's most challenging health issues. Signature faculty-led clinical applications range from detecting and preventing breast cancer to treating diabetes. UC San Diego's robust innovation ecosystem unites with our world-class health sciences enterprise — which includes a medical school, pharmacy school, school of public health and health system. Partnerships with biotechnology companies across the region provide the final link in advancing diagnostics, biotherapeutics, medical devices, health data and sustainable materials that ultimately improve health and quality of life worldwide.



SHU CHIEN-GENE LAY DEPARTMENT OF BIOENGINEERING

► FIRST BIOENGINEERING PROGRAM IN THE NATION

Formed in 1966 by father of biomechanics and UC San Diego Professor Emeritus Y.C. Fung, Marcos Intaglierra, and Benjamin Zweifach

► 38

Full-time faculty, largest number in University of California system

► 1,000+

Companies around the world use or have used technology created at UC San Diego.

► 328

Copyright or patent applications have been filed by department faculty since 2018 — 12% of all intellectual property on campus despite bioengineering accounting for only 1% of faculty

► 47%

Of undergraduate students in the department are women; 21% are from underrepresented groups

► 10TH IN THE WORLD FOR BIOMEDICAL SCIENCES

In 2022, *Nature Index* ranked UC San Diego 10th in the world among the top 200 institutions in biomedical sciences in their assessment based upon published research in a targeted set of high-quality scientific journals.

For more information about how the Shu Chien-Gene Lay Department of Bioengineering is making our world a better place, please contact:

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The Shu Chien-Gene Lay Department of Bioengineering will continue to thrive with your support. Your contribution to the Bioengineering Excellence and Innovation Fund will support much-needed resources for the chair's top priorities, allowing students, faculty and researchers to leverage the department's distinction in transformative, relevant solutions.

Join us as we continue to push the boundaries of research and discovery and bring innovation into practice. **Visit giving.ucsd.edu/bioeng-fund to make your gift today.**

