

Dedicated to

helping the UCSF community navigate the complexities of translational technology development by working up-close with our clinicians, research faculty, promising students, trainees, and industry partners to really understand the science and how it can be applied to

Healing

Welcome

TRANSLATIONAL *technology development and commercialization is a complex process because every project is unique. Innovation Ventures is dedicated to helping the UCSF community navigate those complexities by working up-close with our clinicians, research faculty, promising students, and trainees to really understand their science. We have a single purpose and that is to support the transition of UCSF innovation out of the lab and into the marketplace as more fully developed therapies, with a greater confidence of success.*

Whether evaluating a new discovery, securing funding, seeking external partnerships, or starting new companies, Innovation Ventures is here to facilitate protection, development, and commercialization of novel and valuable healing inventions.

** Preeminent
Biomedical Institution*

7 Nobel Laureates

#1 Public Recipient of NIH Funds

Best Hospital in California

3200 Faculty Members

** Partnering with
UCSF is Easy*

Discovery Evaluation

Translational Funding

Strategic Alliances

Business Development

Technology Transfer

Licensing

Entrepreneurship

** Areas of Research
Innovation*

Cardiology

Precision Medicine

Regenerative Medicine and Cell Therapy

Translational Research

Oncology

Infectious Diseases

Immunology and Inflammation

Diabetes and Metabolism

Medical Devices

Neurology

Ophthalmology

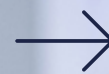
Digital Health



RIGHT TOP By Susan Merrell: Photo of Jeffery Olgin, MD.

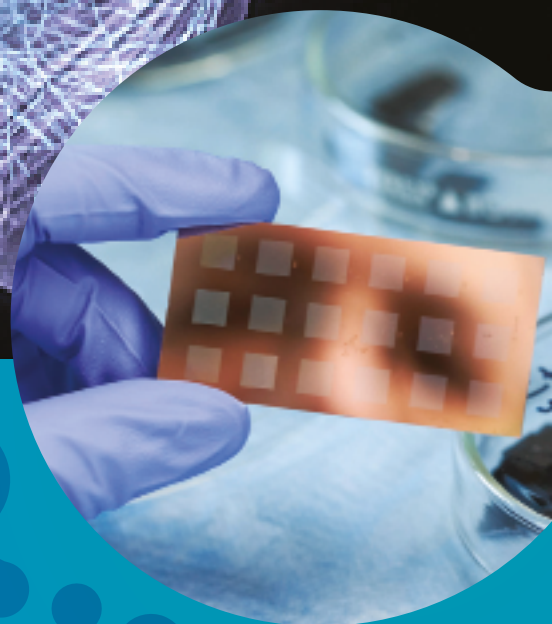
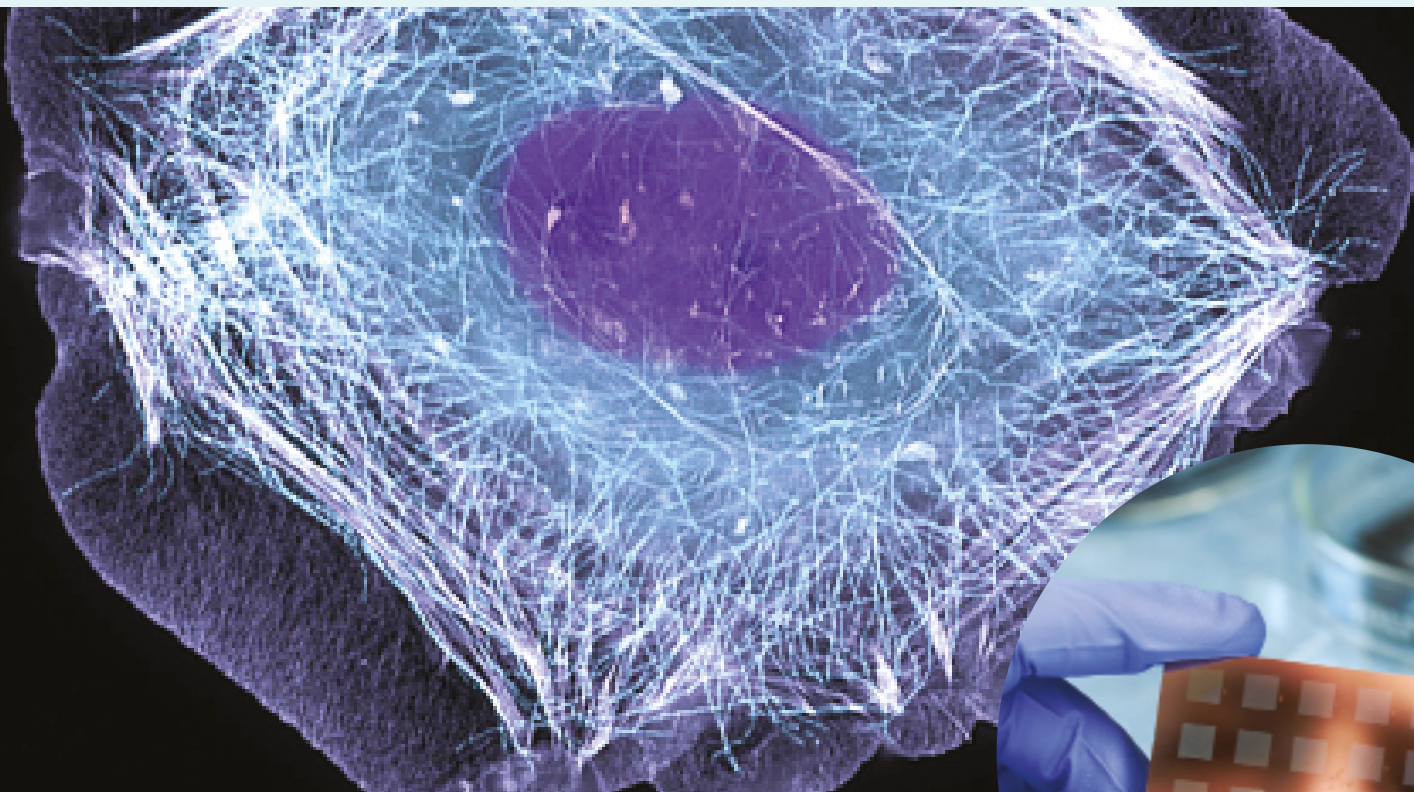
RIGHT BOTTOM By David-Huy Nguyen, PhD: Detail of the microfluidic bead synthesis apparatus.

Our Programs





Catalyst Program



Incite Science

The Catalyst Program is UCSF's translational accelerator focused on advancing UCSF discoveries with clinical impact and commercial potential. The Catalyst Program aims to foster academic and industry collaboration as well as enhance education in early translational research and preparation for future entrepreneurship.

The centerpiece of the program is the Catalyst Awards, our program that provides both industry advisor mentorship, and seed funding to UCSF investigators with promising projects. The Catalyst Awards are focused on the development of therapeutics, diagnostics, medical devices, and digital health.

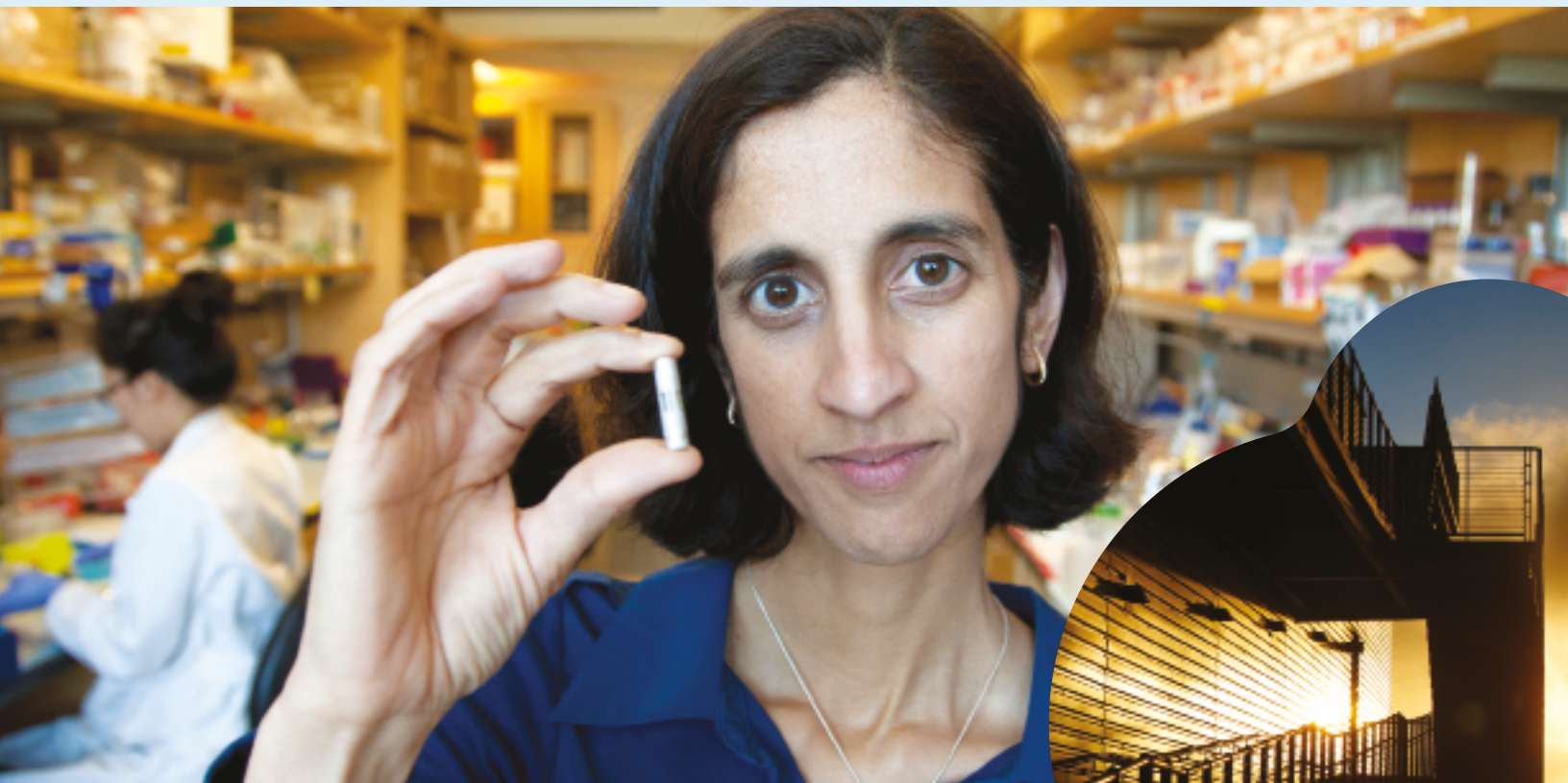


LEFT MIDDLE By Torsten Wittman, PhD: Cytoskeleton in neurons differentiating from induced pluripotent stem cells.

LEFT BOTTOM By Steve Babuljak: Shuvo Roy, PhD at Byer Hall.



InVent Fund





Invest in Ourselves

In a bold move to develop our life science discoveries and ensure they are more likely to reach patients and better support the university's mission, Innovation Ventures is raising a purely philanthropic fund to support our most promising inventions. For drug candidates or devices, the InVent Fund will support proof-of-concept studies which is the research that often takes the form of translational and pre-clinical studies that, once licensed to a new or established company, would underlie full clinical development. Similarly, digital health applications and diagnostic technologies could be advanced to the point where they can be evaluated in real-world scenarios prior to undergoing the more rigorous development required for regulatory approval and commercialization.

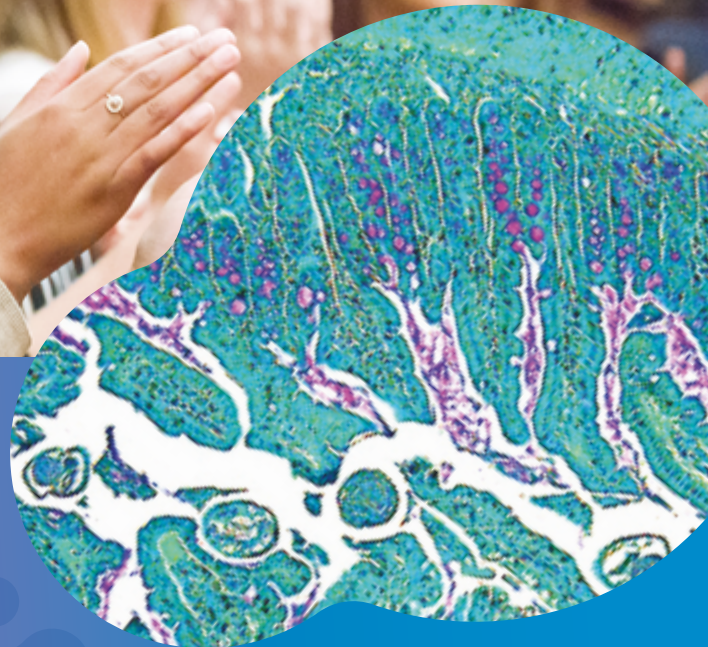
We have created a fund to provide financial support, as well as experienced product development mentoring and expertise to a small number of outstanding projects. By supporting and de-risking our most promising projects through translational development, we expect to capture greater licensing value for UCSF and our inventors with the added benefit of building a sustainable program of funding for future innovations. This strategy allows UCSF to invest more fully in our science and develop more technologies to benefit patients.

LEFT MIDDLE By Cindy Chew: Tejal Ashwin Desai, PhD, Division of Bioengineering at University of California, San Francisco.

LEFT BOTTOM By Steve Babuljak: Eli and Edythe Broad Center of Regeneration Medicine and Stem Cell Research.



Entrepreneurship



Be Venturous

The UCSF Entrepreneurship Center is a global resource that assists prospective founders explore the commercial potential of their ideas. Through classes, workshops, mentorships, and networking events, we expose our academics to the entrepreneurial experience, teaching researchers, clinicians, students, faculty and post docs, and fellows to vet their ideas for commercial potential and create a business plan.

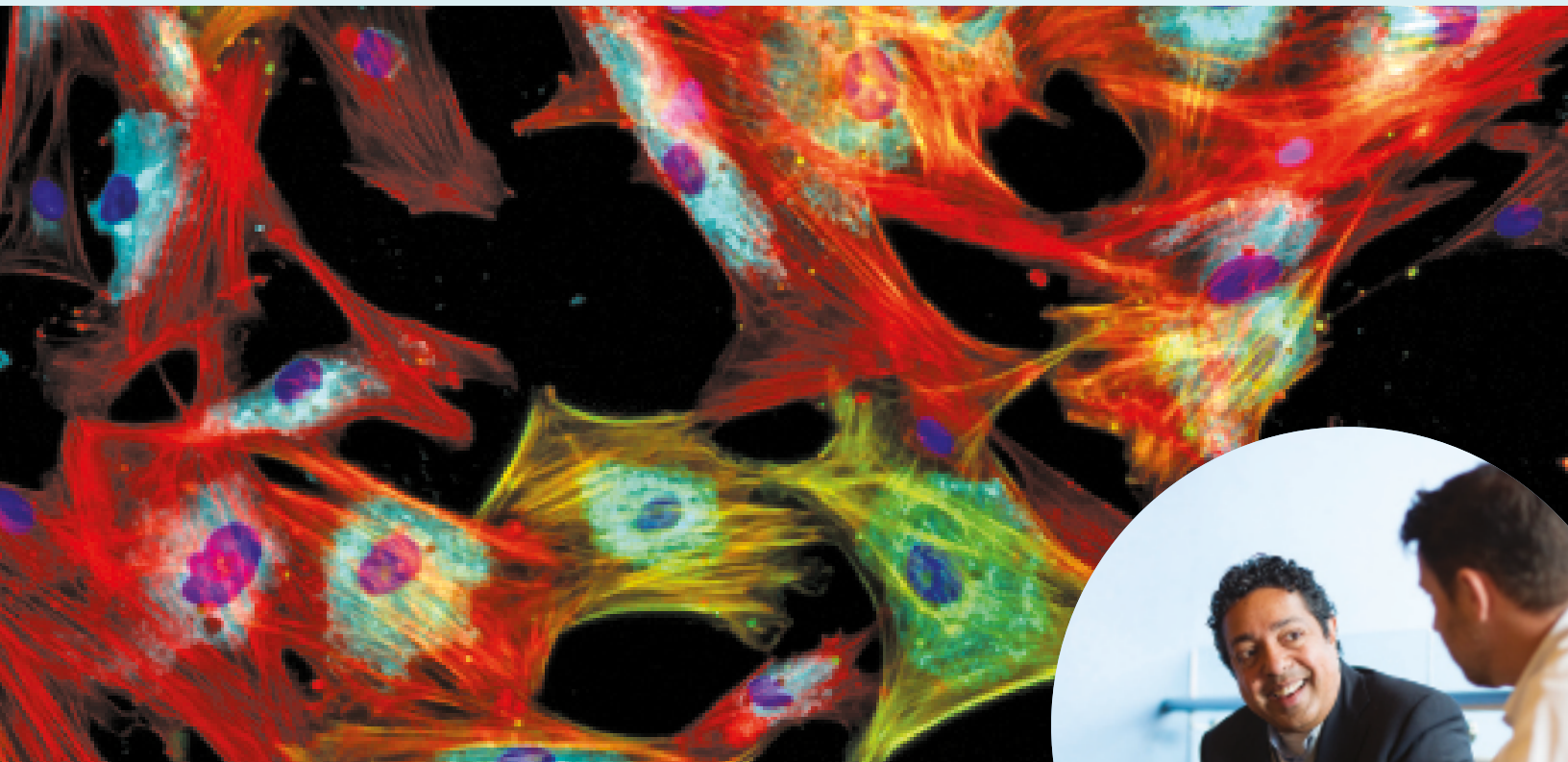
Beyond teaching, we help our students launch new ventures by connecting them with funding sources, accelerators, mentors and cofounders through our entrepreneurial ecosystem. Our community includes over 200 mentors and advisors comprised of serial entrepreneurs, founders, investors and life science/healthcare business experts who are available to counsel our startups and class teams.

As an inclusive, open program, we welcome participants from outside the UCSF community including UC Berkeley, Stanford, the Silicon Valley business community, and entrepreneurs world-wide. We believe that assembling a group with diverse experience broadens perspective and may translate into a higher probability of success.

Whether you have decided to start a company or simply wish to explore the start-up culture, you will find the Entrepreneurship Center an invaluable resource.



Strategic Alliances



Possibilities Realized

Strategic Alliances develops and manages UCSF's largest industry partnerships. Our goal is to identify and build mutually beneficial collaborations and strategic opportunities for collaboration between UCSF and industry, often with the objectives of providing research funding for projects or expanding strategic initiatives at UCSF and securing a partner suitable for commercializing and developing a product should a new invention arise.

We continuously scout the UCSF campus to identify exciting projects befitting for industry partnership. Strategic Alliances develops business models incentivized with a shared risk/reward structure, and provides alliance management expertise.

We leverage our extensive internal and external networks to connect the right partners to our principal investigators, and after a strong bond is established, we provide alliance management support to ensure a successful collaboration.

As scientists by training, we're invested in ensuring that UCSF research has the support it needs to progress, both within the lab and into the clinic.



Technology Advancement



It's the Science

The powerful combination of high-quality science, an entrepreneurial culture, and strategic partnerships between UCSF's researchers and Innovation Ventures, has resulted in an impressive track record of commercial successes. We work with our research faculty to evaluate and grow new ideas, devise a commercialization and intellectual property plan including the possible formation of a start-up, connect the research with appropriate potential internal and external collaborators, and negotiate suitable licenses with appropriate commercialization partners such as existing companies, venture capitalists or other investors.

The Office of Technology Management is the business partner every innovator always wished for because we not only administrate projects by negotiating licenses, start-up, and partnership agreements – we also invest the time to appraise each project to better understand them. We develop the best business opportunity and determine the correct strategy to translate UCSF discoveries into healthcare products. Allowing our researchers to do what they do best – and that's pure science.

LEFT MIDDLE By Torsten Wittman, PhD: Cytoskeleton in neurons differentiating from induced pluripotent stem cells.

BOTTOM LEFT By Susan Merrell: Study of heart regeneration in mammals and zebrafish.

Successful UCSF Startups



Exai Bio

Exai Bio launched following an “oversubscribed” series ‘A’ round of financing that netted them \$65M in investments. The company, now an autonomous NewCo continues to collaborate with UCSF, which remains a significant shareholder.

Arsenal Biosciences

A privately held programmable cell therapy company engineering advanced CAR T therapies for solid tumors founded on Medtech developed by Kole Roybal and Alex Marson at the University of California, San Francisco.

Sana Biotechnology

Sana Biotechnology Creates a New Class of Medicines.

UCSF’s Sonja Schrepfer co-founder of startup Sana Biotechnology, launches with a focus on engineering cells to create a new class of medicines.

“Cell and gene engineering provide the opportunity to address the underlying cause of disease and provide benefits to patients that have previously been not possible.”

—Steve Harr, Sana CEO

EpiBiologics

Launched with \$50 million Series A Financing to Advance Next Generation Protein Degradation Platform.

LEFT TOP By Matthew N McCarroll: Lateral view of a 5 day old zebrafish larvae expressing human Tau-mEos3 in sensory neurons. **LEFT BOTTOM** By Noah Berger: Sonja Schrepfer, MD, PhD and Tobias Deuse, MD use a rotator developed by NASA to simulate microgravity.



UCSF Innovation
Ventures





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UCSF technologies*

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