

Alvin Viray, JD

Associate Director

Invention Transfer Group





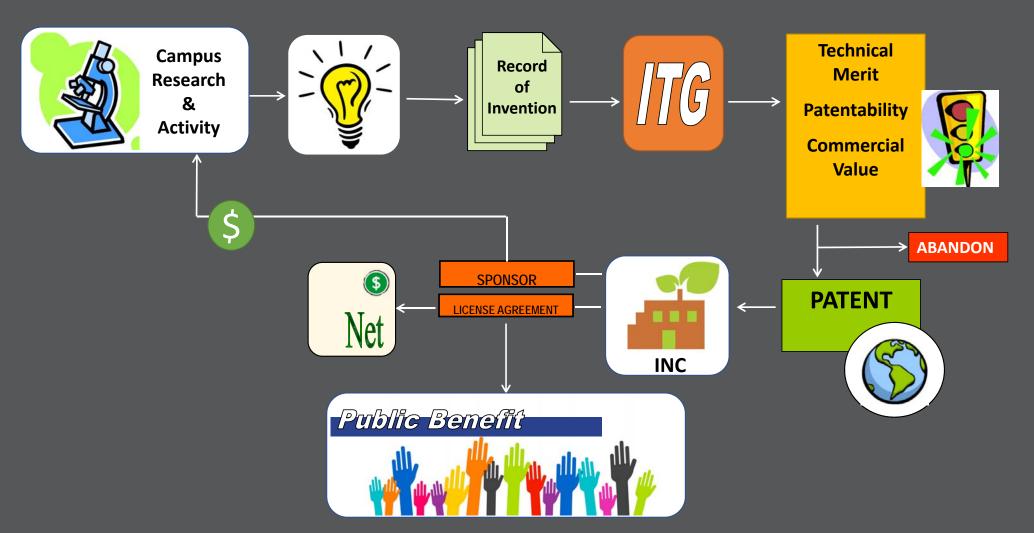
Commercializing Your Biomedical Technology with UC Irvine's Startup Ecosystem



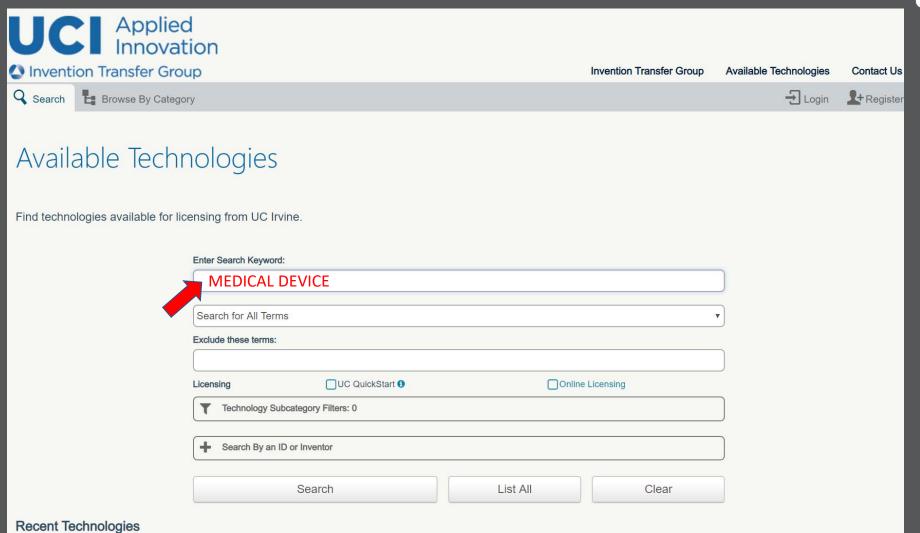
Focus















Invention Transfer Group

Available Technologies

Contact Us













UC TechAlerts

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228 Technologies found

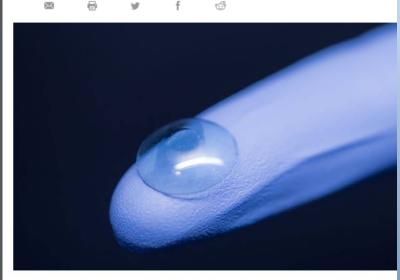
	Tech ID	Technology Title
±	27188	Enhanced Cell/Bead Encapsulation Via Acoustic Focusing
	28677	Novel Anti-Bacterial, Anti-Fungal Nanopillared Surface
	24055	Shrink-Induced, Self-Driven Microfluidic Devices
	24043	Microfluidic Tumor Tissue Dissociation Device
±	25886	Continuous Analyte Sensor Device
	28707	Handheld Blood-Flow Imaging Device
	28951	Calcified Polymeric Valve and Vessels
	22537	Fluid Management Device
	27074	A Micro/Nanobubble Oxygenated Solutions for Wound Healing and Tissue Preservation



Plastic that mimics insect wings kills bacteria

The curved plastic may one day be used as an artificial cornea

BY KATHIANN KOWALSKI MAR 15, 2016 – 1:41 PM EST



Tiny pillars on insect wings inspired scientists and engineers to make polymer nanopillars that can kill ba artificial cornea.

JONATHAN PEGAN

Project Design

Fabrication and Validation

- Redesign fabrication apparatus
- Manufacture artificial cornea implants, then use specialized nano-imprint method to create patterns
- · Characterization with SEM for verify nanopattern formation and FEA to test the durability.

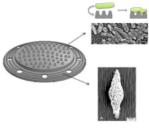


Figure 2. Implant design and nanopattern implementation [4].

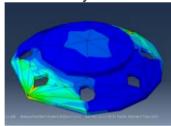


Figure 3. FEA to test stress similar to those experienced during implantation with tweezers [3].

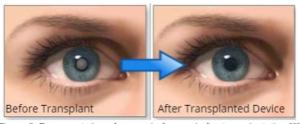
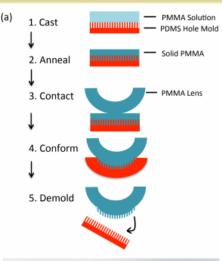


Figure 5. Representation of an eye before and after transplantation [2].



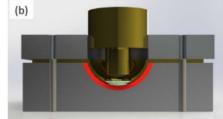
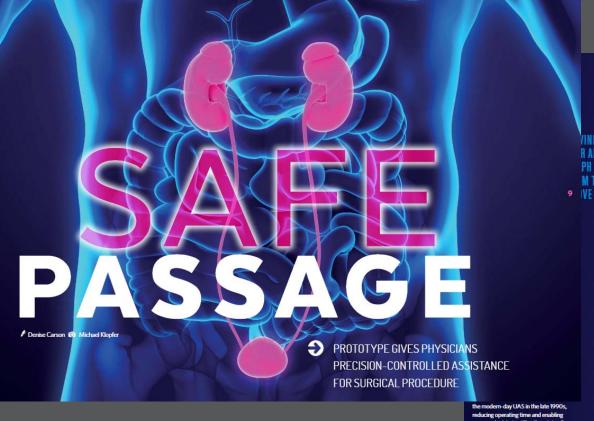


Figure 4. Reverse nanoimprint lithography (r-NIL) is used. (a) Imprinting process (b) and the holder device for alignment and pressing [3].





/INE BIOMEDICAL
R AND PHYSICIANS
PH CLAYMAN JOINED
M THAT HAD LONG PLAGUED

VE KIDNEY STONES.

TARE BUTTON

LOAD CELL POWER SWITCH

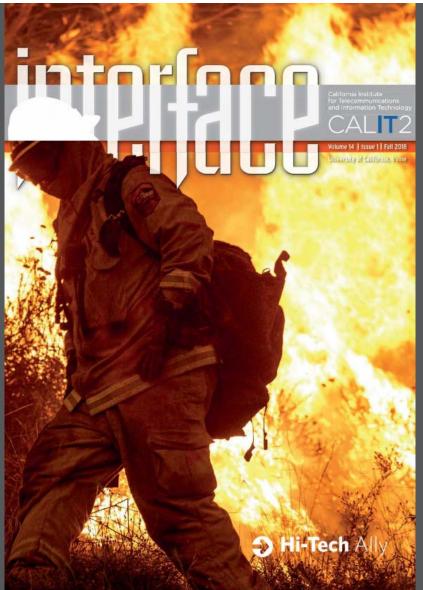
USB CONNECTOR

each year, and they are on the rise due to an aging, diet-challenged population.

In Sufe Pricose prototype was developed of CAIII/2 progressing from GAI design to software programming and fundy, canal the device case from a solid block of alluminant, then assembled the device, racializing the local call, power supply and creating. The prototype possed preliminary lesslay with fying calos: con far callengages and a potentia, not a single unlevel user or complication occurred. The learn currently is of work on phase; and conditionation occurred. The learn currently is of work on phase; and conditionation occurred. The learn currently is of work on phase; and conditionation occurred. The learn currently is of work on phase; and conditionation occurred. The learn currently is of work on phase; and conditionation occurred. The conditional conditionation of the conditional conditionation of the conditional conditional conditions.

LED INDICATOR











Proof of Product (POP) Grants

Provide funds to assist faculty in developing their technology into a commercially viable product.









Startup Guide for Employee Inventors

www.startupguide.innovation.uci.edu



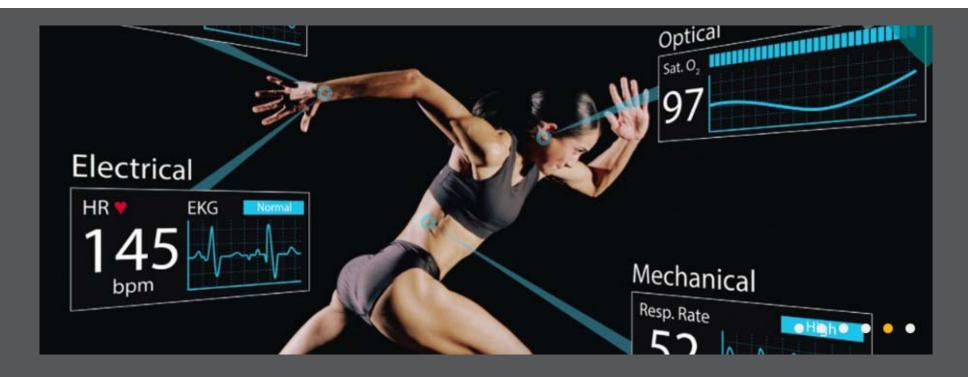
As an inventor, multiple paths are possible when commercializing an invention. The process can be complex.

This guide was created to offer you guidance, suggestions, and to connect you with the various resources available on campus.

Ultimately, we encourage you to engage with UCI Applied Innovation as soon as possible.







Beckman Laser Institute & Medical Clinic



Calit2

(1) Photonic Incubator

(2) Wayfinder

(3) Tech Portal

Calit2

Tech Portal

Equipment & facilities for your startup includes:

- CalPlug
- eHealth
- ETAD
- MicroSemi
 Innovation Lab
- FabWorks
- Creative Learning Lab
- IMRI





Funding

SEED

Funding is the fuel necessary to turn great ideas into profitable business. Applied Innovation builds relationships across the funding continuum, to ensure local entrepreneurs are able to connect with sources of capital appropriate to their stage of development:







VENTURE CAPITAL

Angels











Venture Capital









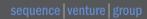






赛伯乐投资集团











































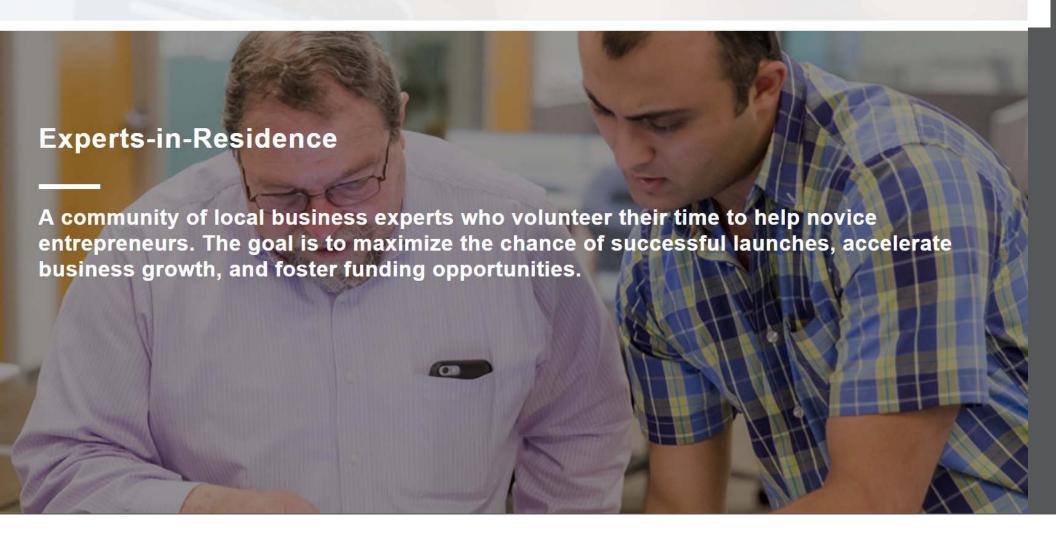






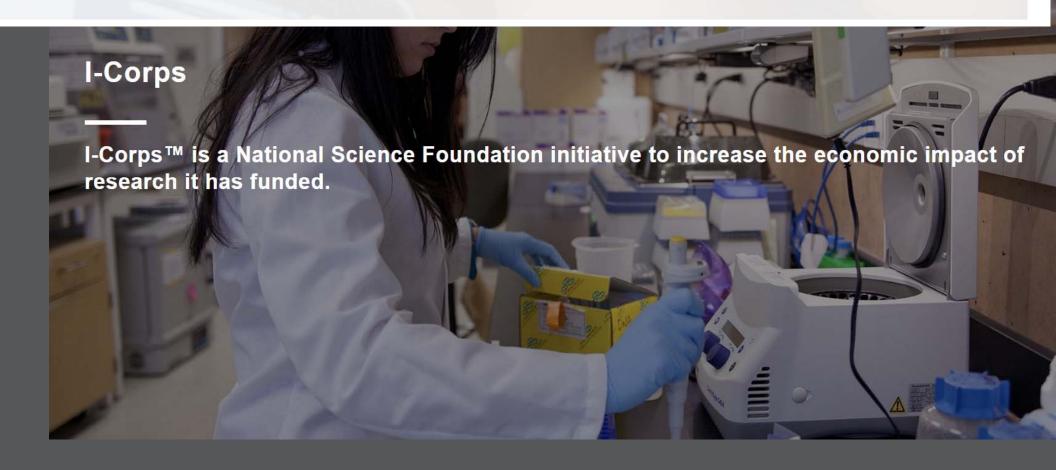
















SBDC

Small Business Development Council

Grow your venture with one-on-one consulting for relationship-focused solutions.



About

The SBDC @ UCI Applied Innovation is a resource for any high-technology, high-growth, scalable venture from the community or the UCI ecosystem that needs help with business planning, business development and funding-readiness. The SBDC @ UCI Applied Innovation specializes in the technology, life science, med-tech and med-device business sectors.

SBDC @ UCI Applied Innovation offers access to a team of experienced consultants who take a hands-on approach in providing highly-

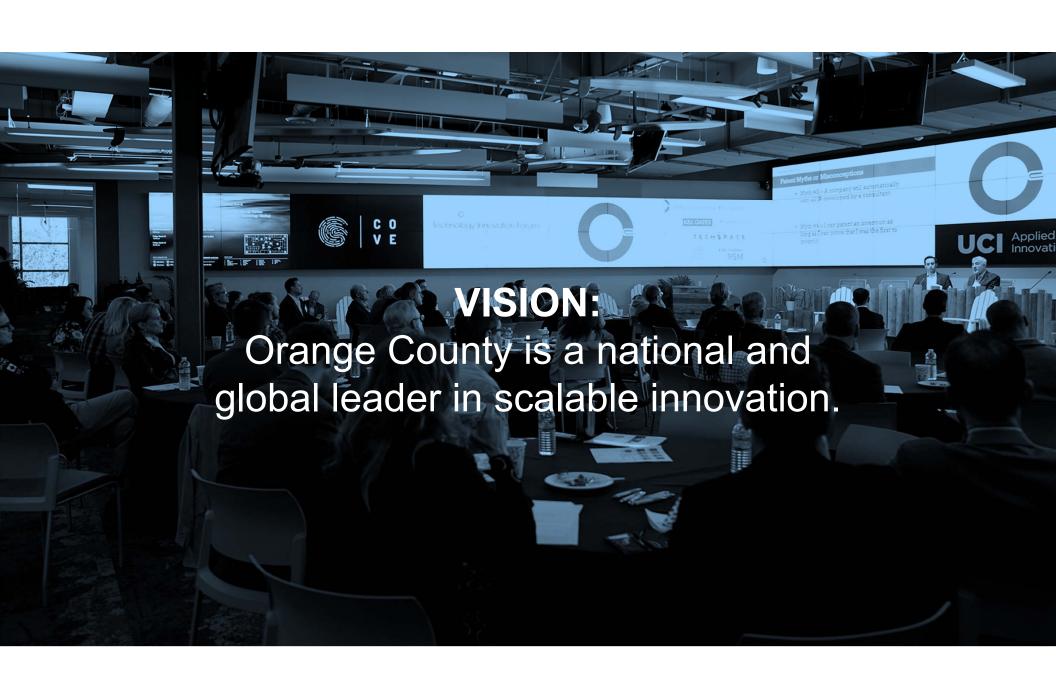


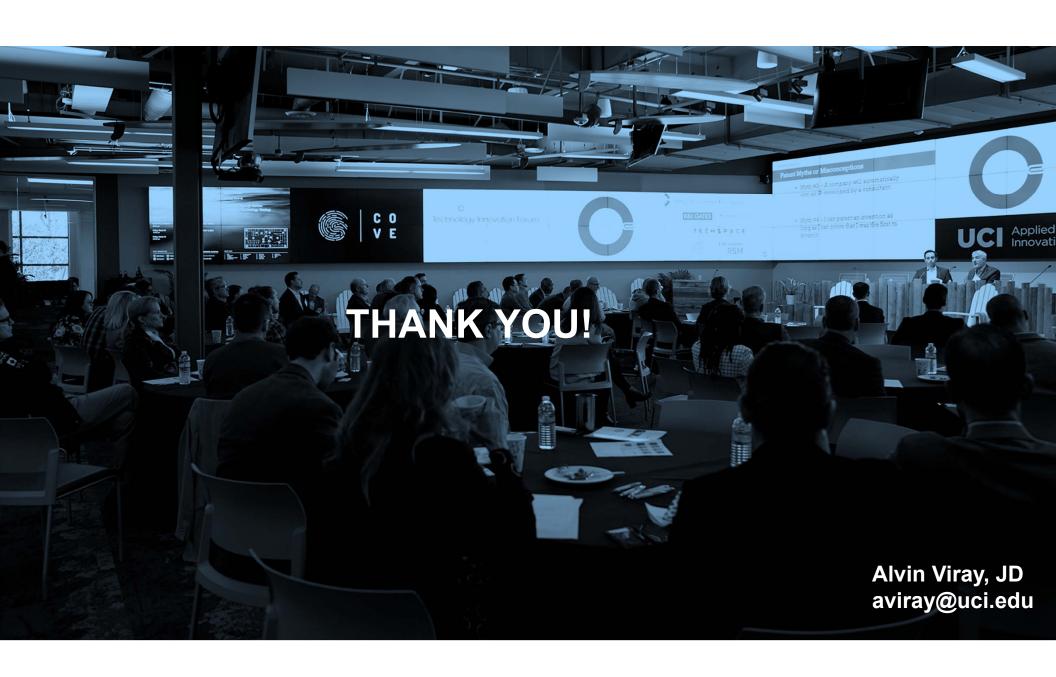
U.S. Small Business Administration





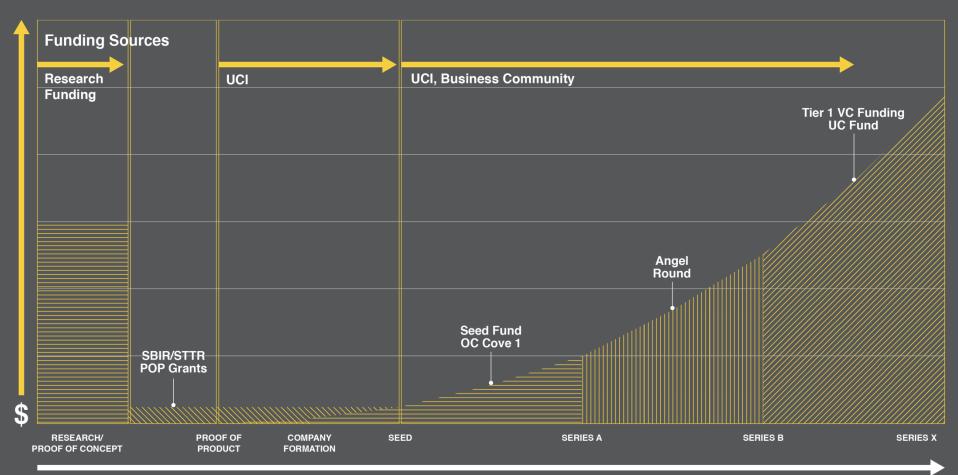






Commercialization/Funding





Innovation Funding Cycle