

SUSTAINING MEMBER:

University of California Riverside

Situated on nearly 1,200 scenic acres in Inland Southern California, UCR's diverse, inclusive, and globally focused community is creating a new model for what a great public research university can achieve.

With more than 26,000 students and 1,100 faculty — including two Nobel Prize winners and 13 members of the National Academies of Science and Medicine — we are pioneering research with economic, scientific, and social impact on the real-world challenges we face in California and beyond.

The reach and importance of our work is gaining in prominence. We rank among the top 1 percent of universities worldwide by the Center for World University Rankings and one of the nation's top 12 public universities by Forbes. In addition, in each of the last two years, U.S. News & World Report named UCR the top university in the nation for social mobility.

UCR is a powerful engine of economic growth for Inland Southern California and beyond, contributing to more than \$2.3 billion in economic output per year and the creation of 20,000 jobs in the Inland Southern California region alone, according to a recent study by the University of California Office of the President. The campus proudly partners with entrepreneurs, corporate leaders, and fellow research enterprises from around the world.

UCR Office of Technology Partnerships (OTP):

OTP provides faculty with an integrated approach to protect, validate, and commercialize intellectual property (IP) through patent protection, sponsored research, licensing, and entrepreneurial training.

Working closely with UCR faculty, OTP provides them with a commercialization team that includes a licensing officer, IP analyst, and Entrepreneur in Residence who work together to develop the IP and commercialization strategies to best translate their innovation from lab to market for public benefit. Through OTP's comprehensive services, faculty innovators also have access to entrepreneurial training, funding, and company development.

Since 2016, UCR has received nearly 400 invention disclosures, filed over 500 provisional and non-provisional patent applications, and granted over 150 issued patents by the USPTO. These technology commercialization activities led to the creation of 10 startups with licensed UCR IP and receipt of nearly \$39 million in royalty income. A substantial portion of the royalty comes from UCR's seedless mandarin variety named 'Tango' which is grown and sold in the U.S and around the world.

A significant achievement last year was the execution of an exclusive license agreement with Invaio Sciences to accelerate the potential for a cure in the fight against Huanglongbing (HLB, also known as citrus greening disease). HLB is one of the most serious citrus plant diseases in the world which has already devastated 90% of Florida's citrus groves and is threatening Southern California's \$7 billion citrus industry that contributes more than 22,000 jobs. To address this urgent need, Dr. Hailing Jin, a geneticist at UCR, has demonstrated in greenhouse trials on young citrus plants, that a type of citrus-derived natural product (a stable antimicrobial peptide, SAMP) is effective in preventing and treating HLB infection.

"UCR is dedicated to providing the resources innovators need to bring their inventions to the market," said Rodolfo Torres, vice chancellor of Research and Economic Development. "We have been able to leverage over \$22 million in federal, state, and private funding for innovation and entrepreneurial activities which has supported over 600 teams from UCR and the community to date." This includes 370 companies through UCR's EPIC Small Business Development Center (SBDC) which has bolstered over 740 jobs and over \$70 million in capital raised (equity, SBIR/STTR funding, and other grants).

Lastly, UCR has been an NAI sustaining member for five years and is in the process of reinvigorating our NAI chapter to promote a culture of creativity and innovation at UCR and the community. Membership in the UCR NAI chapter is open to all members of the university community, including faculty, staff, students, and alumni, plus members of the community who have received an issued patent from the USPTO. We plan to hold an annual meeting and recognition ceremony to recognize our inventors' achievements, enhance networking, and provide an opportunity to share experiences.