

VISION STATEMENT

Plant and Seed Collaborative Research Laboratory



The Plant and Seed Collaborative Research Laboratory — located on the UC Davis campus — will forge research partnerships between UC Davis and the agricultural industry to boost the California economy through new technologies and innovations, to grow new businesses and employment opportunities, and to speed advances in agricultural and food production.



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UC Davis has a long history of producing top-ranked agricultural and environmental research that helps feed the world and protect its resources.

UC Davis is located in California's Central Valley, amid vibrant agricultural-, seed-, and food-production companies, many of which are headquartered in this area.

The Plant and Seed Collaborative Research Laboratory (CoRe Lab) will boost UC Davis' ability to partner with these companies to provide innovative research that not only stimulates California's \$37 billion annual agricultural production, but creates additional opportunities in agriculture and food production for California and the world.

The CoRe Lab, in partnership with agricultural, seed, food, and related industries, will assure the rapid delivery of innovative science research to market applications, thereby boosting the California economy through new technologies and innovation, new companies and employment, and enhanced agricultural and food production.

Partnerships:

The CoRe Lab will serve as a central point for multidisciplinary research among:

- UC Davis faculty, graduate/undergraduate students, postdoctoral scientists, visiting scholars, and technical staff
- Seed and agricultural companies (large to small; with local, national, and global interests)
- Other businesses supporting agricultural and food production through plant breeding, genomics, seed technologies, biotechnology, and contract research

The Plant and Seed Collaborative Research Laboratory at UC Davis will create a dynamic environment that produces scientific research relevant to agricultural- and food-production companies in California and beyond. The academic/industry partnerships will foster entrepreneurial opportunities, move the delivery of research discoveries to commercialization, and add value to California's economy and to the top-ranked research at UC Davis.

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Advantages to UC Davis:

The CoRe Lab will allow UC Davis faculty and their diverse research programs to:

- Efficiently establish collaborative partnerships with industry and to meet emerging needs quickly
- Increase research funding, research partnerships, and research opportunities for UC Davis
- Increase intellectual property opportunities for UC Davis faculty with industry partners
- Increase research opportunities for students and postdocs, including internships and post-graduation employment
- Cost-share high-technology, intensive, state-of-the-art research equipment

Advantages to industry:

The CoRe Lab will allow industry partners to:

- Rapidly access cutting-edge research at the top-ranked agricultural university in the U.S.
- Access other important facilities at UC Davis, such as the Genome Center, the Plant Transformation Facility, BGI@UC Davis, the Seed Biotechnology Center, PIPRA, etc.
- Create pre-competitive partnerships with other companies at the CoRe Lab in order to advance progress in the agriculture-food spectrum
- Access top-educated students and scholars who can move into leading industry positions
- Increase intellectual property opportunities for industry partners with UC Davis faculty
- Cost-share high-technology, intensive, state-of-the-art research equipment

Advantages to California:

The CoRe Lab will benefit California and its people through:

- A faster pipeline that moves important research to the marketplace, resulting in an improved agricultural/food economy, and safe and nutritious foods for consumers
- The CoRe Lab, a hub for plant-science research and related companies, will draw additional businesses to the area, improving California's economy through increased agricultural/food production and employment opportunities