

Collaborative Research Lab with industry partners

A UC Davis / Seed Central project

Primary partners

Ag biotech, food companies, animal sciences co., etc.

- Conduct research in own lab
- Fund central lab
- Fund scientists in central lab
- Fund research in central lab
- Place own scientist in central lab
- Internships

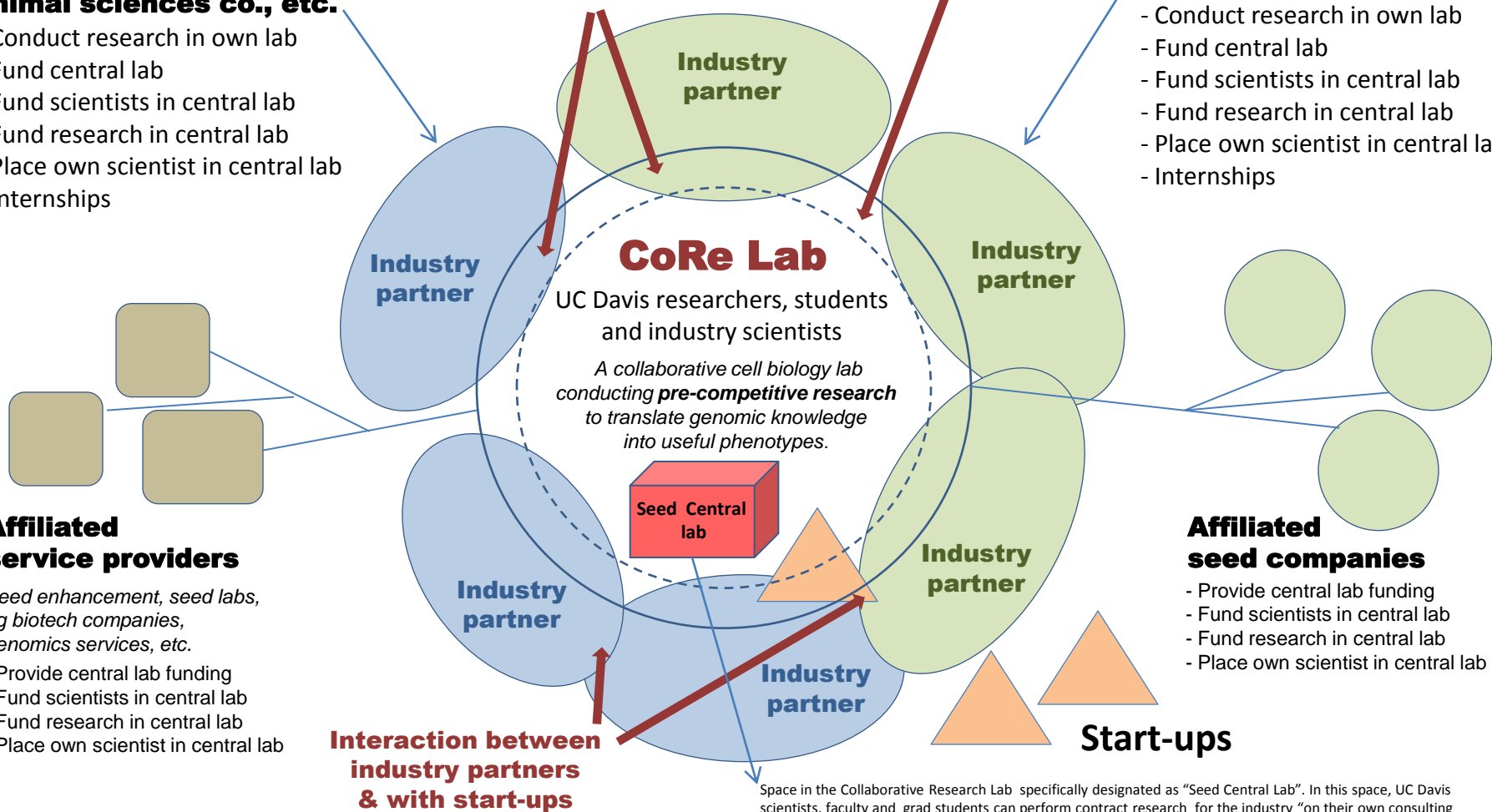
Interaction between industry partners and lab

Shared facilities

Equipment, conference rooms, class rooms, lecture hall, break rooms, space for networking events, etc.

Primary partners Seed companies

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- Fund central lab
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Affiliated service providers

Seed enhancement, seed labs, ag biotech companies, genomics services, etc.

- Provide central lab funding
- Fund scientists in central lab
- Fund research in central lab
- Place own scientist in central lab

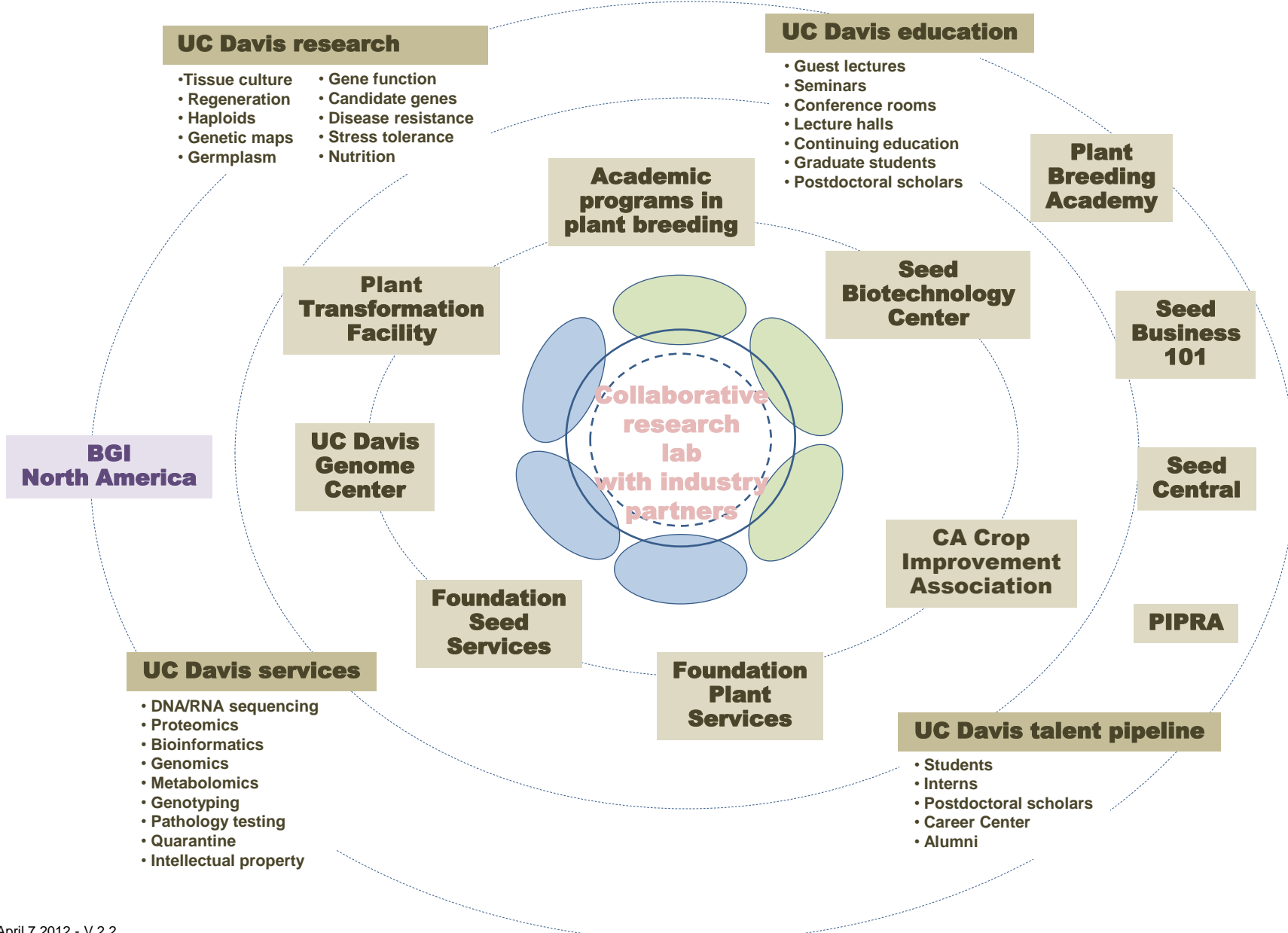
Interaction between industry partners & with start-ups

Affiliated seed companies

- Provide central lab funding
- Fund scientists in central lab
- Fund research in central lab
- Place own scientist in central lab

Start-ups

Space in the Collaborative Research Lab specifically designated as "Seed Central Lab". In this space, UC Davis scientists, faculty and grad students can perform contract research for the industry "on their own consulting time", i.e. as "free agents" and not as UC Davis personnel, which means that all IP resulting from this research will be fully owned by the industry partner for which it is conducted.



BGI North America

- Sequencing
- Assembly
- Bioinformatics
- Genetic maps

UC Davis Genome Center

- DNA/RNA sequencing
- Bioinformatics
- DNA technologies
- Expression analysis
- Proteomics
- Metabolomics
- TILLING

CA&ES Genomics Facility

- DNA sequencing
- Genotyping
- Robotics
- Genomics instrumentation
- Custom applications

PIPRA

- Biotechnology tools
- Intellectual property pool
- Freedom to operate analyses
- Vectors, protocols

Plant Transformation Facility

- Tissue culture
- Transformation
- Regeneration
- Cell biology
- Protocol development

CoRe Lab research

- Cell biology
- Tissue culture
- Haploid production
- Candidate genes
- Gene function
- Metabolic pathways
- Disease resistance
- Molecular markers

CoRe Lab amenities

- Equipment
- Special facilities
- Conference rooms
- Class rooms, lecture hall
- Break rooms
- Networking events
- Seminars

Seed Biotechnology Center

- Breeding tools
- Marker-assisted breeding
- Novel traits
- Seed quality and technology
- Commercialization and co-existence

Seed Central

- Networking events
- Research agreements
- Intellectual property assistance
- Tech transfer
- Proof of concept / de-risking

Related UC Davis research

- Food safety
- Flavor
- Processing
- Engineering
- Consumer science
- Pathology
- Entomology
- Nematology
- Weed science
- Environmental biology

Plant Science

- Haploids
- Recombination
- Gene silencing
- Development
- Regulation
- Flavor
- Nutrition
- Gene function
- Candidate genes
- Physiology
- Metabolism
- Stress tolerance
- Disease resistance
- Yield

Collaborative Research Lab

Partnership options

