Lessons learned in delivering challenge-driven innovation partnerships

Corinne Peek-Asa

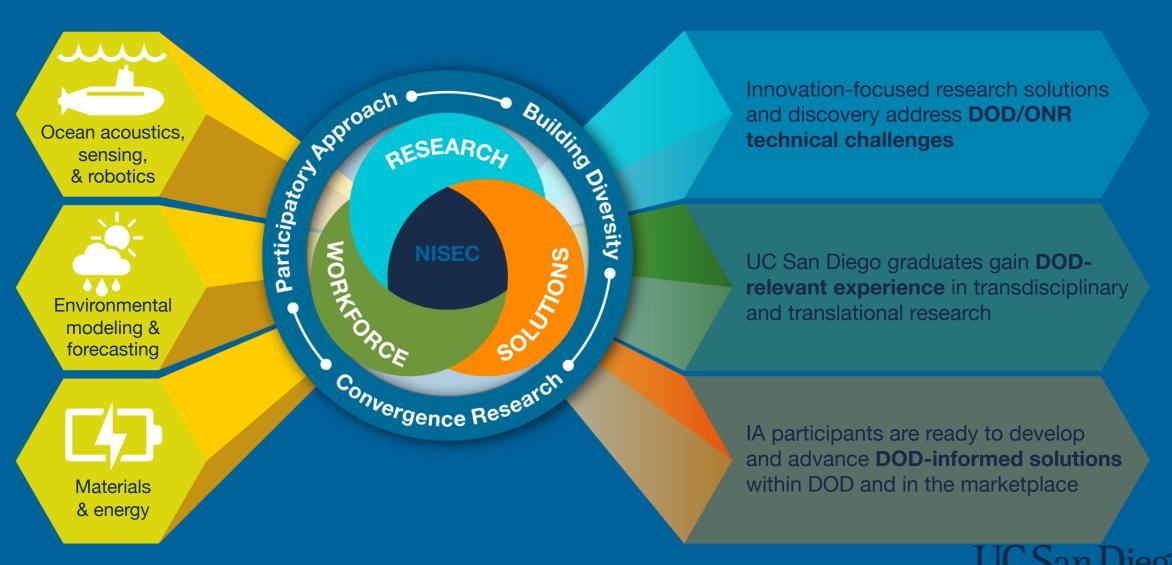
Vice Chancellor for Research and Innovation Professor with Distinction, Epidemiology

UC San Diego



- 1. Large solutions need a participatory approach.
- 2. Universities should integrate education/workforce development into all activities.
- 3. Always seek to leverage multiple outcomes with each activity.

Naval Innovation, Science, And Engineering Center



- 4. Partnerships need:
 - Shared vision
 - Mission alignment
 - Activity agreement

UC San Diego and Thermo Fisher Scientific



- Mission: Four pillars over 10 years
 - Technology sandbox
 - Research framework
 - Talent pipeline
 - Sustainable supply chain

- Sandbox Development
- Loaned equipment
- Expanded procurement initiatives
- Alumni engagement



5. Create collisions and mindfully build teams

Agilent Research pursuit of High-impact, multidisciplinary long-range technology innovation

Agilent priorities presented to UC San Diego

Cell Engineering

Cell Analysis

Nucleic Acid Synthesis and Function Data Science/ Intelligent Systems

Omics

LS & Pathology Workflow Engineering

UC San Diego

AGILENT CENTER OF EXCELLENCE IN CELLULAR INTELLIGENCE



5. Create collisions and mindfully build teams

Competition Details

Chancellor's Interdisciplinary Team Catalyst Awards

Dates

Internal Submission Deadline: Thursday, March 14, 2024 at 5:00 PM

Details

Administrator(s): Research Development (Owner)

Karen Gutierrez

Category: Open Funding Opportunities

Cycle: 2023-2024

Number of Applications

Allowed per Applicant:

Number of Possible Awardees: 6

Award Range: \$30,000 - \$75,000

Project Period: 1-2 years; earliest start date July 2024

Cost-share or match required: No

Amount note: Initial awards will range from \$30K - \$75K/2y. Four to six

awards are anticipated. Awards will be managed as cooperative agreements for scopes of work defined in partnership with ORI. Requests for reallocation and flexibility for expanded, additional costs may be

considered in year two.

Funding organization: Office of Research and Innovation

Description

Pre-application consultation with Research Development is strongly advised. The intent of consultation is to allow for discussion of program priorities and limit work for efforts that may be out of scope. Prospective applicants will receive preliminary feedback on the alignment of proposed activities with the Team Catalyst program. Research Development will host individual office hours by appointment. View availability and schedule a 30-minute consultation.

6. Tie metrics to decision points (always a work in progress)

Process measures, outcome measures, impact measures

International
Innovation
Partnership Logic
Model and
Engagement Guide

Program Goal: Become a leading partner in strategic international innovation markets by leveraging UC San Diego's research and innovation expertise, faculty, innovators, and alumni to solve global challenges.

Resources

- 1. Faculty, staff, students, innovators, alumni
- Existing innovation and international engagement programs across campus: OIC/ORI, IGE, Schools, HS International, Extended Studies, among others).
- 3. Existing corporate engagement programs across campus.
- 4. Government Relations
- Local innovation partners with global connections (Biocom California, Connect, EvoNexus, EDC/WTC, among others)
- Office of Research and Innovation's related expertise in agreements, IP, funding and other research administration resources.
- Office of Global Initiatives' expertise in internationalization agreements and partnerships

Activities

- Identify strategic interdisciplinary verticals and regions (e.g., 3), and develop strategic plans for each (e.g., context relevant partner and faculty engagement)
 - Increase understanding of markets, <u>culturally-specific</u> perspectives on innovation, and priority partners (e.g., academic, government, industry, military)
- Define criteria for engaging strategic partners in visits/other activities and develop "go/no go" process, including to identify lead coordinator
 - Campus-wide innovation visit intake process
 - b. Other engagements, TBD
- Foster faculty engagement with strategic verticals/regions
 - a. Global Initiatives
 - b. Cohort programs
- Develop relationships with international C-suite executives (including HQ) and other partners
 - a. Executive Forum/Fellows
- Conduct industry and community listening campaigns in strategic markets/regions to understand needs
- Promote UC San Diego innovation expertise via white papers, campaigns, etc.

Short Term Outcomes (1-2 years)

- Initiate and deepen relationships with strategic international innovation networks, markets, regions
 - Maintain connections with international industry executives and other partners
 - Maintain connections with UC San Diego faculty, innovators, and alumni working internationally
- Develop understanding of--and innovate to address--community and industry needs
- Identify different pathways to market, including policy pathways, to inform about different international processes
- Develop understanding of bilateral and multilateral agreements for cooperation in science, technology, innovation, and higher education to identify opportunities in priority areas.

Long Term Outcomes (5-10 years)

- Increase UC San Diego's international reputation as leading innovation partner
- Bring UC San Diego and start-up technologies to market in strategic international sectors and regions
- Meet industry and community needs to solve global challenges to advance solutions and for the public good
- Achieve research and innovation excellence through long-term international partnerships.
- Develop robust networks that provide opportunities for diverse students, staff, and faculty; support co-discovery, and facilitate licensing and company startups in priority topics.



Our next frontiers:

- 1. Embed policy/payer pathways into early innovation
- 2. Build spaces conducive to innovation partnerships

