University of Nebraska-Lincoln
Vice Chancellor for Research & Economic Development
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A BC

YEAR ONE PROGRESS

All UNL colleges are participating in at least one funded project



Investments made in 2022

Faculty, staff and students attended Grand Challenges events during the 2021-22 academic year

Total proposals submitted

Volunteer reviewers for planning grants

Funded projects in 2022: 3 Catalyst Awards 10 Planning Grants

Faculty and staff involved in projects funded during vear one

2022 CATALYST AWARDS

Catalyst awards address four themes: anti-racism and racial equity, health equity, quantum science and engineering, and science and technology literacy for society. Awards are for specific goal-based projects with measurable outcomes. A rigorous external review process was used to review proposals. Principal investigators and projects are:

- Katie Edwards, educational psychology, "Establishment and Evaluation of an Indigenous-led Center to Prevent Sexual Violence Among Indigenous Youth Across the U.S.." \$3.210.177.
- · Tomas Helikar, biochemistry, "Digital Twin Innovation Lab." \$5.039.652.
- Kees Uiterwaal, physics and astronomy, "Quantum Business, Arts and Science for Society (Q-BASS)." \$629,692.

\$2,959,840

Average amount of a catalyst award

2022 PLANNING GRANTS

Planning grants support teams that are developing project ideas around one or more themes. Principal investigators and projects are:

- Tala Awada. School of Natural Resources, A Nebraska Circular Agriculture Hub for the 21st Century."
- Yufeng Ge, biological systems engineering, "SPACE2: Space, Policy, Agriculture, Climate and Extreme Environment."
- · Mark Griep, chemistry, "Midwest Science Engagement Consortium."
- · David Harwood, earth and atmospheric sciences, "Ice Coring and Education Silo."
- · Jennifer Lather, architectural engineering, "Serving At-risk Communities in Disasters: Studying Planning and Response Measures under the Lens of Equity."
- Liz Lorang, University Libraries, and Leen Kiat-Soh. School of Computing, "Machine Learning, Artificial Intelligence, and Cultural Heritage for Science and Technology Literacy and to Advance Anti-racist Information Systems."

- Anne Schutte and Nicholas Hubbard, psychology, "Advancing Cutting-Edge Research and Practices to Increase Access and Use of Green Space and Outdoor Play in
- Early Childhood Settings." Elizabeth VanWormer. School of Natural Resources, "Nebraska One Health: Building a Flexible Network Approach to Complex Systems Challenges that Matter for Human.
- Animal and Planetary Health." Ana María Vélez Arango. entomology, "RISE with Insects (Resilience Ignited through Science
- and Ethics)." Sarah Zuckerman, educational administration: Trev Andrews. psychology and ethnic studies; Virginia Chaidez and Megan Kelley, nutrition and health sciences.. "Nebraska Community Action Research for Equity and Sustainability (NE CARES) Hub."

\$138.948

Average amount of a planning grant



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