

NIH IDeA PROGRAMS

The Institutional Development Award (IDeA) is a congressionally mandated program that builds research capacity in states that historically have had low levels of NIH funding. It supports competitive basic/clinical/translational research, faculty development, and infrastructure improvements. The program aims to strengthen an institution's ability to support biomedical research, enhance the competitiveness of investigators in securing research funding, and enable clinical and translational research that addresses the needs of medically underserved communities.

The **IDeA** programs generate, complement, and enrich Idaho's research strengths by leveraging NIH investment in personnel, equipment, core facilities, and student programs to solve health problems and enhance a student pipeline for the next generation of physicians, healthcare workers, and scientists.

Economic Impact on Idaho

The IDeA Program has had a \$365 million economic impact in Idaho since 2000

Tripp, S., & Grueber, M. (2011). Economic impact of the human genome project. *Battelle Memorial Institute*, 58, 1-58.



INBRE
IDeA Network of Biomedical Research Excellence
COBRE
Centers of Biomedical Research Excellence

Impact of Program FY22-23

Research

- Infrastructure for junior research investigators to launch their careers
- Providing access to data science Cores
- Core facilities with state-of-the-art research equipment
- Interdisciplinary model-based research
- Discovery of fundamental knowledge impacting new treatments

Workforce Development

- Undergraduate internships in local biomedical industries
- Cross-disciplinary training

Education

- Student pipeline for the next generation of scientists
- Involvement on interdisciplinary teams
- Graduate and undergraduate student training and support

Public Health

- Enhancing research to solve health problems
- Providing a foundation for treatments for cardiovascular disease, cancer progression, liver fibrosis, and ligament repair
- Contributing to solutions for drug resistance, vaccine efficacy, and emerging new diseases

Program Overview

IDeA Awards in Idaho

- Build research programs
- Improve public health
- Provide education
- Generate workforce
- Create innovation & regional networks

COBRE – 3 current awards
(6 total): \$55.3 million

INBRE – 1 current award:
\$83 million

Top NIH-Funded Idaho Research Areas:

- Pathogenesis
- Drug Development
- Mathematical Modeling
- Matrix Biology
- Biosensors
- Developmental Biology

Success Stories FY22-23

Nicholas Pancheri (Nick) was an INBRE Fellow at the UI. Nick says, *“I had an incredible opportunity to conduct impactful research in my collegiate career that helped me discover my passion for biomedical research. My experiences led to a Goldwater Scholarship and a Beckman Fellowship.”* Nick is currently a Ph.D. student in biological engineering at the University of Oregon.



Eric P. Stoffregen, Ph.D. Associate Professor at Lewis-Clark State College (LCSC), was an INBRE Project Leader and student Preceptor. His laboratory runs exclusively with undergraduate students. He has the first NIH investigator-initiated grant **ever received by LCSC**. Eric says, *“It would be impossible to overstate the impact of Idaho-INBRE support on my development as an independent investigator.”*

Statewide Funding (Idaho: COBRE/INBRE/CTR) FY23-24

Program/Grant Name	Type/Institution	Years in Operation	IDEA Funds Awarded
Idaho INBRE <i>*INBRE-5 competitive renewal</i>	University of Idaho	2001 – 2025 <i>*2025-2029</i>	\$83,001,193 <i>*\$19,377,373</i>
COBRE: Host-Pathogen Interactions	University of Idaho	2000 – 2009	\$18,957,726
COBRE: Processes in Evolution	University of Idaho	2002 – 2017	\$27,053,870
COBRE: Matrix Biology	Boise State University	2014 – 2024	\$22,741,690
COBRE: Center for Modeling Complex Interactions	University of Idaho	2015 – 2025	\$22,330,923
COBRE: Emerging and Re-emerging Pathogens	Idaho Veterans Research and Education Foundation	2016 – 2021	\$10,000,000
COBRE: Convergent Engineering and Biomolecular Science (CEBS)	Boise State University	2023 - 2028	\$10,211,743
*COBRE (McGuire) **COBRE (Oxford) **CTR-D (Jorcyk) **COBRE (Estrada/Gunes) **COBRE (Ammons)	University of Idaho Boise State University Boise State University Boise State University Boise VA (IVREF)	2024 - 2029 2024 - 2029 2024 – 2029 2025 – 2030 2025 - 2030	
* Pending NIH Award (not included in \$ total) ** Pending NIH Review		Total Awarded	\$194,297,145