THE NIH IDeA PROGRAM IN IDAHO

- BUILDS RESEARCH PROGRAMS
- CREATES INNOVATION
- PROVIDES EDUCATION
- GENERATES WORKFORCE
- IMPROVES PUBLIC HEALTH

COBRE and INBRE AWARDS in IDAHO

Centers of Biomedical Research Excellence (COBRE)
4 current awards (5 total): $57.9 million

IDeA Network of Biomedical Research Excellence (INBRE)
1 current award: $97.5 million

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>INSTITUTION</th>
<th>YEARS IN OPERATION</th>
<th>IDeA FUNDS AWARDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idaho INBRE</td>
<td>University of Idaho</td>
<td>2001 - 2019</td>
<td>$97,514,522</td>
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<tr>
<td>COBRE: Host-Pathogen Interactions</td>
<td>University of Idaho</td>
<td>2000 - 2009</td>
<td>$18,957,726</td>
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<tr>
<td>COBRE: Processes in Evolution</td>
<td>University of Idaho</td>
<td>2002 - 2017</td>
<td>$27,053,870</td>
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<tr>
<td>COBRE: Matrix Biology</td>
<td>Boise State University</td>
<td>2014 - 2019</td>
<td>$10,277,745</td>
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<tr>
<td>COBRE: Center for Modeling Complex Interactions</td>
<td>University of Idaho</td>
<td>2015 - 2020</td>
<td>$10,572,579</td>
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<tr>
<td>COBRE: Emerging and Re-emerging Pathogens</td>
<td>Idaho Veterans Research and Education Foundation</td>
<td>2016-2021</td>
<td>$10,000,000</td>
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</tbody>
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**TOTAL IDeA FUNDS:** $174,376,442
The COBRE and INBRE 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, build research capacity, and build a better student pipeline for the next generation of physicians, healthcare workers, and scientists.

**TOP NIH-FUNDED IDAHO RESEARCH AREAS**

- Pathogenesis
- Drug Development
- Mathematical modeling
- Matrix Biology
- Viral coinfection
- Developmental Biology

**ECONOMIC IMPACT ON IDAHO**

The IDeA Program has had a $390 million economic impact in Idaho since 2000*

*Based on Batelle Technology Partnership Practice study estimated economic impact per $1 NIH funding.

**IMPACT OF NIH/IDeA IN IDAHO**

**Research**

- Infrastructure for junior research investigators to launch their careers
- Interdisciplinary, model-based research
- Shedding light on the evolution of pathogens and parasites that affect human health
- Discovery of fundamental knowledge impacting new treatments

**Education**

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

**Workforce Development**

- Undergraduate internships in local biomedical industries
- Cross-disciplinary training and training in team-based research
- New interdisciplinary Biomolecular Sciences doctoral program

**Public Health**

- Enhancing research to solve health problems
- Understanding the effects of viral coinfection
- Providing a foundation for treatments for cardiovascular disease, cancer progression, liver fibrosis, and ligament repair
- Contributing to solutions to drug resistance, vaccine failures, pathogen host switching, and the emergence of new diseases