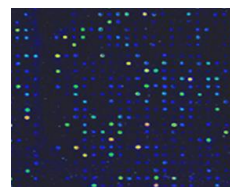


# THE NIH IDeA PROGRAM IN OKLAHOMA

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



## CoBRE, INBRE, and IDeA-CTR AWARDS in OKLAHOMA

### Centers of Biomedical Research Excellence (CoBRE)

9 current awards (12 total): \$215 million

### IDeA - Clinical and Translational Research (OSCTR)

1 current award: \$20.3 million

### IDeA Network of Biomedical Research Excellence (OK-INBRE)

1 current award: \$64.7 million

Program	Institution	Years of Operation	IDeA Funds Awarded through end of grant period
<b>Oklahoma IDeA Awards</b>			
Science in a Culture of Mentoring	OMRF	2000 - 2016	\$21,734,216
Functional Genomic/Proteomic Analysis of Bacterial Host Interactions	OUHSC	2000 - 2010	\$20,963,855
Mentoring Vision Research	OUHSC	2002 - 2011	\$23,800,000
Interdisciplinary research in vascular biology	OMRF	2003 - 2021	\$28,751,761
Biofilm Formation and Metabolism on Dental Surfaces	OUHSC	2003 - 2010	\$9,700,000
Molecular Mechanisms and Genetics of Autoimmunity	OMRF	2004 - 2019	\$31,155,096
Mentoring Diabetes Research in Oklahoma	OUHSC	2007 - 2017	\$22,663,104
Oklahoma CoBRE in Structural Biology	OU	2012 - 2017	\$9,690,904
Mentoring Translational Cancer Research in Oklahoma	OUHSC	2012 - 2017	\$10,551,860
Expanding Excellence in Developmental Biology in Oklahoma	OMRF	2013 - 2018	\$12,900,000
Oklahoma Center for Respiratory and Infectious Diseases	OSU	2013 - 2018	\$11,331,206
Children's Health Equity Solutions Center	OSU CHS	2016 - 2021	\$11,838,050
Oklahoma Shared Clinical and Translational Resources (IDeA-CTR)	OUHSC	2013 - 2018	\$20,300,000
Oklahoma IDeA Network of Biomedical Research Excellence	OUHSC	2001 - 2019	\$64,778,220
<b>TOTAL</b>			<b>\$300,158,272</b>

## TOP NIH-FUNDED OKLAHOMA RESEARCH AREAS

- **CANCER**
- **AUTOIMMUNE DISORDERS**
- **INFECTIOUS DISEASES**
- **HEALTH SERVICE RESEARCH**
- **CARDIOVASCULAR DISEASES**
- **VISION**
- **DIABETES**
- **STRUCTURAL BIOLOGY**

The CoBRE programs, as well as the INBRE and OSCTR programs, generate, complement, and enrich Oklahoma'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. Clinical and translational research supported by the OSCTR program seeks to reduce health disparities in underserved and understudied populations.

## IMPACT OF NIH/IDeA IN OKLAHOMA

### RESEARCH

- ❖ Fundamental discovery from NIH awards leading to: New diagnostics, Treatment protocols, Biotech
- ❖ Infrastructure for junior clinical and research investigators to launch their careers (IDeA awards)
- ❖ Building translational research from bench-to-bedside-to-bench: Precision Medicine (OSCTR, IDeA awards, Research grants)

### EDUCATION

- ❖ Builds a pipeline of new healthcare providers for next generation (INBRE/OSCTR)
- ❖ Working with Physicians to enhance best practices in rural communities (OSCTR)
- ❖ Enhancing STEM degrees – thousands of teacher and student interactions (INBRE)

### WORKFORCE DEVELOPMENT

- ❖ Biotechnology program development and improvement in Oklahoma (INBRE)
- ❖ Producing scientists, educators, etc... for Oklahoma and the country (CoBRE, INBRE, OSCTR)
- ❖ Working with tribal groups to train health care workers to improve healthcare for OK tribes (OSCTR interaction with OCAITHB)

### PUBLIC HEALTH

- ❖ Phase I Clinical Cancer Trials Program (NCI's National Clinical Trials Network)
- ❖ Enhancing SCC research to achieve NCI Cancer Center Designation (Research grants, NCI's National Clinical Trials Network, OSCTR, CoBREs, INBRE...)
- ❖ Clinical and translational research to improve health and healthcare for underserved and underrepresented populations and all citizens (OSCTR)
- ❖ OSCTR leveraged a \$14.8 M award from AHRQ to disseminate best practices to reduce cardiovascular disease throughout Oklahoma (partnership with 300 physicians and clinics throughout Oklahoma)

### **ECONOMIC IMPACT**

The IDeA Program has had a  
**\$1.32 billion dollar** economic  
impact in Oklahoma since 2000\*.

\*Battelle Technology Partnership Practice study estimated \$2.24 economic impact per \$1 of NIH funding.