Promoting Undergraduate Research Panel

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Michael Carolina, Executive Director
Since 1987, the state’s agency and engine for technology development, transfer and commercialization
Mission

Diversify and grow Oklahoma’s economy by:

- **Fostering** innovation through (peer-reviewed) basic and applied research grants
- **Stimulating** public/private collaboration
- **Translating** science and technology into business opportunities and jobs
Oklahoma’s Innovation Model

OCAST
est. 1987

i2E
INNOVATION TO ENTERPRISE
est. 1997

INNOVATION COLLABORATION JOBS

OKLAHOMA MANUFACTURING ALLIANCE
est. 1992

NPDC
New Product Development Center
est. 2004

FROM CONCEPT TO COMMERCIALIZATION
Research

The systematic creation and dissemination of knowledge based on the scientific method.
What attracts people to research?

- Title
- Abstract
- Data
- Conclusions
The Role of Research in Society:

- Improves quality of life
- Makes our lives better
- Drives innovation
- Drives entrepreneurial activity
- Increases competitiveness
Research challenges/opportunities:

- Reliable, predictable funding
- Research efficiency
Quality research that attracts:

- Federal funding
- Private sector (sponsored)
- Foundation funding
Helping to create the intellectual capital for the knowledge economy
Translational research...
Research supporting Oklahoma industries

- Aerospace and defense
- Agriculture
- Biosciences and biotechnology
- Energy (fossil and renewable)
- Manufacturing
Can we move the research needle from “budget neutral” to “budget positive”?
Research: A Pathway to Innovation, Entrepreneurship and Prosperity