

# Innovation at Work South Dakota

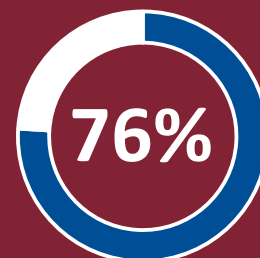


Total Direct and Indirect  
Economic Output of the  
Biopharmaceutical Sector

**\$371.2 million**

Total Employment  
Supported by the  
Biopharmaceutical Sector

**2,103**



A majority of Americans agree that even if it brings no immediate benefits, basic scientific research that advances the frontiers of knowledge is necessary and should be supported by the federal government.

## Local Perspective:

### Sioux Falls, SD



Wendy Giebink, Executive Director of NAMI South Dakota, grandmother to Jackson, 16, living with depression and anxiety

*"Medical research is important to me because I want my grandson to have access to mental health medications that are safe and effective. He has been hospitalized six times in the last two years. I cannot lose him to suicide."*



South Dakotans who Died  
from Heart Disease in 2014

**1,704**

Total NIH Award Funding  
(FY16)

**\$22 million**

## Research in the Mount Rushmore State

### *University of South Dakota (USD), Vermillion, SD*

National Institutes of Health (NIH)-funded USD researchers are exploring the potential therapeutic use of ubiquitin, a protein that destroys other proteins, to increase nerve cell recovery following a stroke.

### *Galera Therapeutics, Watertown, SD*

Galera Therapeutics is conducting phase II clinical trials to test the safety and efficacy of a medication to prevent radiation-induced oral mucositis, a painful infection of the mouth. The medication would be administered prior to radiation therapy for patients suffering from head and neck cancers.

### *Sanford Research, Augustana College, Dana-Farber Cancer Institute, Brigham and Women's Hospital, and University of Pennsylvania Perelman School of Medicine, Sioux Falls, SD*

Led by Sanford Research, this NIH-funded collaboration is studying the relationship between ovarian cancer and the protein SUSD2. Researchers have found that higher levels of SUSD2 are associated with improved survival rates, an exciting development in efforts to combat this deadly form of cancer.

SOURCES: NATIONAL INSTITUTES OF HEALTH, PHARMACEUTICAL RESEARCH AND MANUFACTURES OF AMERICA (PHRMA), CENTERS FOR DISEASE CONTROL AND PREVENTION, A RESEARCH AMERICA SURVEY OF U.S. ADULTS CONDUCTED IN PARTNERSHIP WITH ZOGBY ANALYTICS IN JUNE 2016, SANFORD RESEARCH, CLINICALTRIALS.GOV.