

# Innovation at Work North Dakota

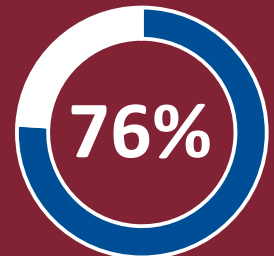


Total Direct and Indirect  
Economic Output of the  
Biopharmaceutical Sector

**\$197.5 million**

Total Employment  
Supported by the  
Biopharmaceutical Sector

**1,029**



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: Fargo, ND



*"Supporting research is supporting and investing in our future. My future matters, my children's future matters and so does yours! We need to fund research for our future!"*

Amanda Houston, 37, Fight  
Colorectal Cancer advocate



North Dakotans Diagnosed  
with Cancer Annually

**3,520**

Total NIH Award Funding  
(FY16)

**\$22 million**

## Research in the Peace Garden State

### *Novo Nordisk, Fargo, ND*

Novo Nordisk is conducting phase III clinical trials comparing the effectiveness of a new drug for treating type II diabetes to that of diet and exercise alone.

### *University of North Dakota (UND), Grand Forks, ND*

Researchers at UND have received funding from the National Institutes of Health (NIH) to investigate HIV-1 associated neurocognitive disorder (HAND), a category of neurological conditions often observed in individuals with HIV/ AIDS. It is hoped that a better understanding of the causes and progression of HAND will help researchers identify new disease targets.

### *North Dakota State University (NDSU), Fargo, ND*

The NIH is funding NDSU researchers working to develop a nanoparticle to deliver a new treatment for colon cancer, the third most prevalent cancer in the U.S. By suppressing a specific gene that stimulates cell growth, this treatment may slow the progression of the cancer.

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