

Innovation at Work

Wyoming

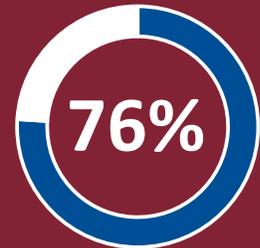


Total Direct and Indirect
Economic Output of the
Biopharmaceutical Sector

\$463.5 million

Total Employment
Supported by the
Biopharmaceutical Sector

1,290



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: Laramie, WY



"Medical research is important to me because I lost my mom to early onset Alzheimer's when she was only 56. Without a cure, my future is uncertain. And I'm only 33."

Robin McIntyre, 33, Alzheimer's Association advocate



Wyomingites 65 and older with Alzheimer's disease in 2016

9,100

Total NIH Award Funding
(FY16)

\$9 million

Research in the Equality State

Rocky Mountain Oncology, Casper, Cody, WY

As part of the Wyoming Cancer Breakthroughs initiative, Rocky Mountain Oncology is conducting phase II clinical trials to evaluate the effectiveness of the drug Pravastatin in treating Acute Myeloid Leukemia (AML), a rare form of leukemia. Originally a treatment for high cholesterol, Pravastatin may stop the growth of cancer cells by blocking enzymes needed for growth.

University of Wyoming, Laramie, WY

National Science Foundation (NSF)-funded researchers at the University of Wyoming are investigating the molecular scaffolds that help organize the interior of bacteria. A better understanding of bacteria and their structure is pivotal to the development of new treatment options for infections.

University of Wyoming (UW), Laramie, WY

The goal of a vaccine is to help the body generate antibodies to defend against diseases. National Institutes of Health (NIH)-funded researchers at UW are investigating how antibody structures impact the effectiveness of vaccines. This information may prove particularly valuable in the development of an HIV vaccine.

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, ALZHEIMER'S ASSOCIATION, NATIONAL SCIENCE FOUNDATION.