

Innovation at Work Montana

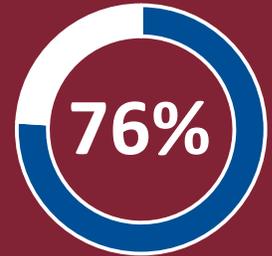


Total Direct and Indirect
Economic Output of the
Biopharmaceutical Sector

\$821 million

Total Employment
Supported by the
Biopharmaceutical Sector

4,142



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: Helena, MT



"Medical research is important to me because there are more questions than answers with my mental health diagnosis. I have great hope for the future. Research turns that hope into reality."

Jason DeShaw, Singer/ Songwriter
and Mental Health Advocate



Montanans 65 and Older with
Alzheimer's Disease in 2016

19,000

Total NIH Award Funding
(FY16)

\$37 million

Research in the Treasure State

University of Chicago, Rocky Mountain Laboratories, Montana State University (MSU), Hamilton, MT
Rocky Mountain Laboratories collaborated with MSU and University of Chicago to investigate *Staphylococcus aureus* (*S. aureus*). In its methicillin-resistant form (MRSA), this bacteria accounts for over 9,000 deaths in the U.S. annually. The researchers discovered that *S. aureus* secretes molecules that interfere with the ability of immune cells to bind, which plays a role in the body's inability to fight this infection.

University of Montana, Missoula, MT

National Science Foundation (NSF)-funded researchers at the University of Montana are studying new uses of mass spectrometry for the diagnosis of protein-related diseases, such as Alzheimer's disease.

Nabriva Therapeutics, Butte, MT

Community-acquired bacterial pneumonia is a major public health threat for the elderly and immune compromised individuals. Nabriva Therapeutics is conducting phase III clinical trials to test the safety and efficacy of a new treatment for this costly and potentially deadly form of pneumonia.

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, NATIONAL LIBRARY OF MEDICINE, NATIONAL SCIENCE FOUNDATION, CLINICALTRIALS.GOV.