

National Institutes of Health: Supporting Research at Michigan



The National Institutes of Health (NIH) is the largest funder of sponsored research at the University of Michigan (U-M). Through competitively-awarded grants, U-M researchers conduct fundamental research that has the potential to treat childhood diseases and cure cancer.

Robust investment in NIH helps maintain the United States' and U-M's leadership in developing health treatments and cures -- saving lives and ensuring a healthy, productive nation. NIH funds also provide critical support to train the next generation of scientists and engineers.

\$538M

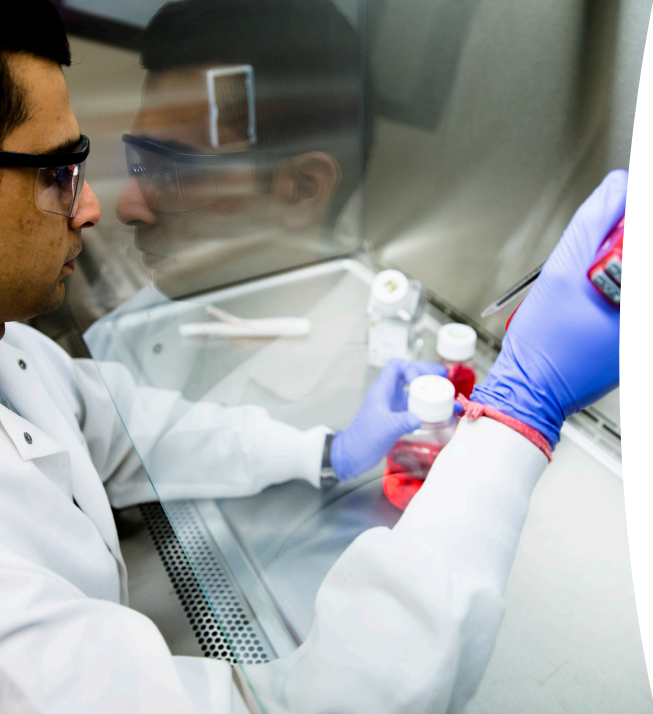
Research Expenditures
in FY2018

2,387
Active Projects

U-M research projects supported by NIH
annually involve about:

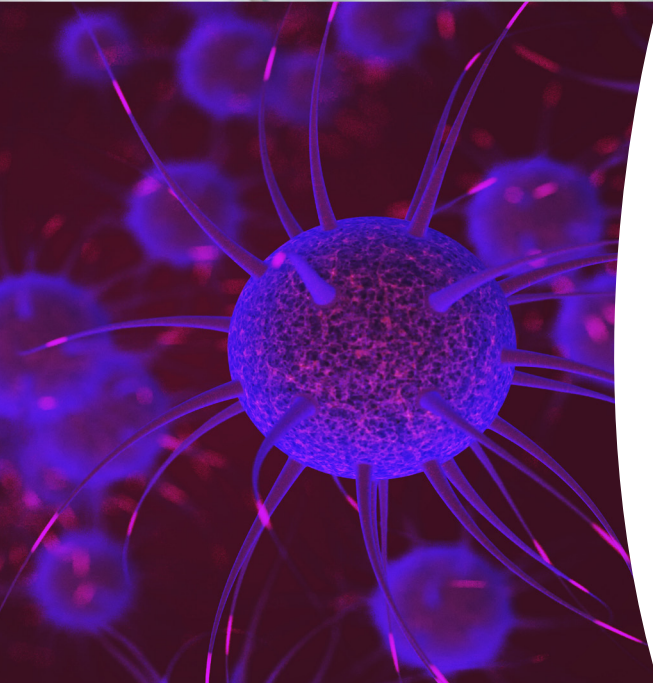
1,926 Faculty
390 Postdoctoral Fellows
256 Graduate Students

63%
of Overall
U-M Federal
Support



Improved Cancer Diagnosis

As many as one in three women treated for breast cancer undergo unnecessary procedures, but a new method for diagnosing it could do a better job distinguishing between benign and aggressive tumors. With support from federal investments, U-M researchers are developing a pill that makes tumors light up when exposed to infrared light. “If we go to molecular imaging, we can see which tumors need to be treated,” said U-M Assistant Professor Greg Thurber.



Targeting Huntington’s Disease

A team of researchers have identified a new drug target for treating Huntington’s disease, a fatal neurological disorder for which there currently is no cure or preventative therapy. Their research identified an enzyme that, when inhibited, appears to help clear the problematic proteins out of cells. “To now discover there is the potential for a therapeutic role for Huntington’s, as well as other neurological disorders, is extremely exciting,” said U-M Professor Lois Weisman.



Income Dynamics

The Panel Study of Income Dynamics is the world’s longest running longitudinal household survey. U-M researchers explore continuity and change in American economic and social life, while also examining health impacts and their correlation. U-M Professor David Johnson recently used data from the study to evaluate the rate of consumption, looking at income, consumption and wealth together. “The Panel Study of Income Dynamics is the only dataset that has all three,” Johnson said.