Innovation at Work
New Jersey

Research in the Garden State

Princeton University, Princeton, NJ

Certain bacteria, like those that cause cholera, develop masses known as “biofilms” that encase bacteria making them less responsive to antibiotics. Princeton University researchers, supported by the National Science Foundation (NSF) and the National Institutes of Health (NIH), identified the bacterial interactions that occur during biofilm formation. This breakthrough has provided insights critical to combating these difficult-to-treat infections.

Becton Dickinson (BD) and Juvenile Diabetes Research Foundation (JDRF), Franklin Lakes, NJ

BD and JDRF are collaborating to develop new advancements in insulin infusion technologies for type I diabetes (T1D). The goal is to develop technologies that will deliver insulin over extended time periods, providing both clinical and lifestyle benefits to the 1.25 million Americans living with T1D.

Rutgers, The State University of New Jersey, New Brunswick, NJ

A goal of the “National Partnership to Improve Dementia Care in Nursing Homes” is to reduce the inappropriate use of antipsychotic medications to treat dementia. Agency for Healthcare Research and Quality (AHRQ)-funded researchers at Rutgers are assessing the prevalence of this problem and developing steps to combat inappropriate antipsychotic medication use in elderly Americans.

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, PRINCETON UNIVERSITY, AGENCY FOR HEALTHCARE RESEARCH AND QUALITY, BECTON DICKINSON (BD).