

# BETTERING THE WORLD THROUGH INNOVATION

Rutgers researchers create knowledge and make discoveries that improve the quality of life and fuel economic progress.

“Through education, discovery, and innovation, and with the right partnerships, Rutgers is poised to redefine university research and stands ready to advance the competitiveness of our state and nation, improve lives and enrich humanity across the globe.”

– S. David Kimball, PhD, Interim Senior Vice President for Research and Economic Development

## FROM DISCOVERY TO HEALING

With a \$29 million National Institutes of Health grant, Rutgers Institute for Translational Medicine and Science will advance clinical research into patient care and treatment more quickly. With partners like Princeton University and NJIT in this statewide collaboration, Rutgers will enable research teams, patient advocacy organizations and members of the community to tackle systemwide scientific and operational challenges.

### Providing World-Class Cancer Care

Rutgers Cancer Institute of New Jersey celebrates its re-designation as the state’s only Comprehensive Cancer Center by the National Cancer Institute, a prestigious recognition awarded to centers with the highest excellence in cancer research and the ability to translate these discoveries to clinical care. Accompanied by a \$15.1 million grant, the award enables enhanced collaborations with pharmaceutical and biotechnology companies in areas such as clinical trials.

### TAPPING INTO THE INNOVATION ECOSYSTEM

Rutgers’ new Entrepreneur-in-Residence Program harnesses the experience of seasoned entrepreneurs to create startups around promising university technologies and intellectual property.

### STRENGTH THROUGH GLOBAL PARTNERSHIPS

Rutgers and Horizon Discovery, a global leader in gene editing, formed an exclusive strategic partnership to further develop and commercialize a novel gene editing technology, known as base editing, that builds on CRISPR to treat genetic diseases.

### MAKING COMMUNITIES SAFER

The latest Rutgers startup – Simsi Inc. – commercializes Risk Terrain Modeling technology, an evidence-based Geo-spatial risk analysis and diagnostic platform for crime prevention and public safety, that is used by police to deploy resources and prevent crime.

### YOUR FRONT DOOR TO RUTGERS

If you’re looking to collaborate on research, find an expert, commercialize a Rutgers technology, or build and develop your workforce, the new Rutgers Corporate Engagement Center is your front door to the university. Connect with us – we’ll bring the right people to the conversation.

Contact: Sacha Patera, PhD, Associate Vice President  
Email: [sacha.patera@rutgers.edu](mailto:sacha.patera@rutgers.edu)  
Call: 848-932-4484



### INNOVATIVE RUTGERS

#68 “World’s Most Innovative Universities”  
– Reuters 2018

\$737M Rutgers’ R&D expenditures in fiscal year 2018; more than all other NJ universities combined

### RECENT BREAKTHROUGHS

Catalysts that **convert CO2**—the leading greenhouse gas—into plastics, fabrics and other products

**4-D printing** of shape-changing objects that will revolutionize robotics, airplane wings, and biomedical devices

**Sea breeze prediction** method that may yield reliability and profits for the offshore wind farm industry

Composite **railroad crossties made from recycled plastics** offering superior performance in tracks across the world