Natalia Rivera-Torres, Ph.D

Research Scientist at ChristianaCare

Wilmington, DE, US

Natalia Rivera-Torres is a research scientist who is credited with elucidating the mechanism of homology directed repair in human cells.

Biography

Natalia Rivera-Torres, Ph.D., is a research scientist whose work has led to a fundamental understanding of how gene repair is carried out in human cells and how this process may vary in a variety of different patient samples. She also is credited with elucidating the mechanism of homology directed repair in human cells in a process known as Single-Strand Template Repair (SSTR) or ExACT, EXcision And Corrective Therapy. She is now the Principal investigator of Precision Genomics group at the Gene Editing Institute. Her group focuses on identifying new clinically-relevant genomic targets for which CRISPR-directed gene editing can be utilized as a therapeutic modality.

Areas of Expertise

Homology Directed Repair in Human Cells, EXcision And Corrective Therapy (ExACT), Single-Strand Template Repair (SSTR), Predicting Gene Editing Outcomes, Gene Repair

Education

University of Delaware
Ph.D.

Delaware State University
M.S.

University of Puerto Rico
B.S.