

Stanford



Ning Deng

Affiliate, Genetics

Bio

BIO

Ning Deng is a Senior Research Scientist in the Department of Genetics at Stanford University. She graduated with a Ph.D. in Biochemistry and Molecular Biology from the laboratory of Dr. Lin Li at the Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, where her research focused on the Wnt signal pathway regulation and phosphoproteomics study. In 2008, Dr. Deng joined the research laboratory of Dr. Stanley N. Cohen at Stanford University, Genetics Department studying cancer drug-resistant gene Txr1 function. Later, she focused on the transcription elongation factor Supt4, which is required for certain expanded nucleotide repeats transcription such as CAG repeats in htt gene which causes Huntington's Disease. She set up and led a high-throughput screening for small molecules to interrupt transcription elongation complex and testing small molecules effect on lowering htt gene expression in iPSCs from Huntington's Disease patients. Now her interests expand to 1) exploration of global effects from Supt4 gene deficiency with NGS technologies; 2) Supt4's regulation on other nucleotide repeat diseases; 3) using microvesicles to deliver macromolecules to target cells.