PA domain of RNF43 is not necessary to suppress Wnt signaling in human cells

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Video Byte

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Abstract

Over the past decade, omics data have proven invaluable to the study of health and disease that includes information concerning protein-protein interactions, or PPIs. But as more data have become available, data mining has become increasingly challenging and time-consuming. Now, there's PINOT – the Protein Interaction Network Online Tool. Users can submit a query containing a list of proteins of interest. PINOT then extracts the most up-to-date data describing PPIs from curated databases. With every submission, PPI data are downloaded, merged, and checked for quality. PINOT then generates a confidence score for each PPI based on the number of unique methods for interaction detection and the number of publications reporting each interaction. PINOT can be used for downloading interactors of proteins involved in diseases such as Parkinson's, facilitating the construction of disease-relevant PPI networks used to map pathways and functions. Fast and straightforward to use, PINOT could help make new discoveries about human health and disease easier to come by.