

Jie (Jenny) Wu, PhD



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Jenny Wu, PhD, is a Project Scientist in the Department of Biological Chemistry and director of bioinformatics at the UCI Genomic Research and Technology Hub (GRT Hub) and Chao Family Comprehensive Cancer Center (CFCCC). She has a broad background in computational biology, with specific training and expertise in key research areas such as genomic data analysis, statistical analysis, software development and big data management. As a postdoctoral researcher at Boston University, she carried out whole genome sequence data analysis to automatically annotate newly sequenced genomes and developed software for visualization and exploration of biological networks. At Delta Search Labs, she focused on integrating heterogeneous data types such as genomics, transcriptomics, proteomics and metabolomics data from toxicological treatments using pathway and network analysis. As a Sr. Scientist at CODA and Verdezyne, she designed pipelines for whole genome sequencing data analysis to optimize protein expression using MATLAB, R and Perl. At UC Irvine, she has been providing guidance and support for researchers using high throughput omics data such as WGS, RNA-seq, single cell genomics and spatial omics, to answer questions in cancer research and neurodegenerative diseases etc.