

An interactome describes the global organization of protein interactions within a cell. Protein correlation profiling (PCP) uses precise co-elution of two proteins as evidence that they interact. This high-throughput technique does not require overexpression or the creation of fusion proteins. Triplex stable isotope labeling by amino acids in cell culture (SILAC) quantifies protein stoichiometry and dynamic changes to the interactome following tissue-specific perturbation. This presentation will focus on the latest developments in our laboratory.