**Network Topology Analysis and Hub Target Identification Panel A: Degree Distribution** Panel B: Centrality Analysis 7.5 150 Mean: 12.4 Betweenness Centrality PTGS2 EGFR 50 2.5 CYP2C9 CYP3A4 TOP1 TRPA1 ALDH1A1 MAPK1 HIF1A 0.0 30 20 30 10 40 20 40 10 Degree Centrality Degree **Panel C: Centrality Correlation Panel D: Hub Protein Connectivity** TP53 42 0.96 0.7 0.96 eigenvector **EGFR** 30 PTGS2 26 0.93 0.74 0.96 closeness **Hub Proteins** CYP2C9 22 0.83 0.74 0.7 MAPK1 20 betweenness CYP3A4 20 0.83 0.93 0.96 degree HIF1A 18 ALDH1A1 18 10 40 **Degree Centrality**