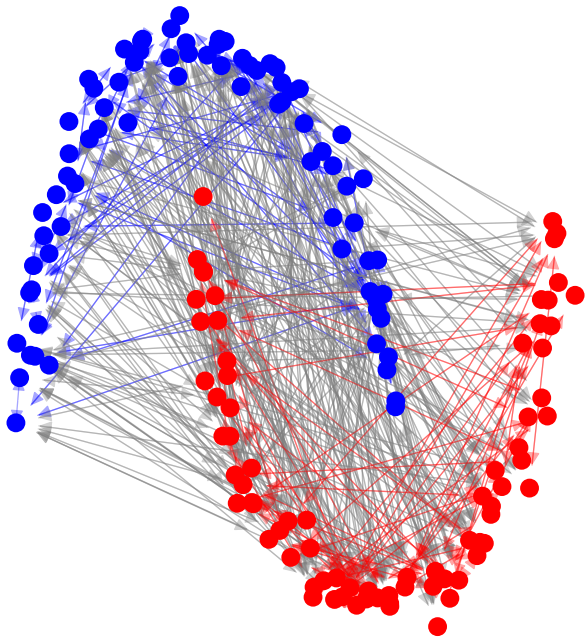Original dense graph   Learned sparse subgraph