Ordered Turan Numbers

An ordered hypergraph $G$ is a hypergraph whose vertices are linearly ordered. The ordered Turan Number of an $r$-uniform hypergraph $G$ is the maximum number of edges in an $n$-vertex $r$-uniform ordered graph not containing $G$ as an ordered subgraph. We obtain the ordered Turan Numbers of tight $r$-uniform $n$-vertex paths asymptotically when $n \leq 2r - 1$ and discuss the case of longer tight paths when $r = 3$. This is joint work with Jackson Porter and John Bright.