SELECT PUBLICATIONS


Research Focus

The primary products of the genome are large number of expressed proteins dubbed the proteome, which codifies molecular organization in cells. Our research centers on identifying and characterizing proteome interaction networks for the dopamine and nicotinic acetylcholine receptors in order to better understand the function and regulation of these receptor systems in various types of cells.

Current Projects

- Delineating the role of the nicotinic acetylcholine receptor in synaptic growth and nerve regeneration
- Examining spatial and temporal calcium signals in cytoskeletal growth
- Identification and characterization of receptor interactions
- Investigating the role and function of ligand gated channel interaction with GTP binding proteins