

Special Issue

Molecular Partners in the Structure and Function of Nicotinic Acetylcholine Receptors

Message from the Guest Editor

Nicotinic acetylcholine receptors (nAChR) are the primary mediators of fast synaptic transmission outside the central nervous system; they are also important modulators of synaptic function in the brain for cognitive function and motivated behavior. Each receptor comprises a complex of five related protein subunits—molecular partners—each with subdomains that make specialized contacts with other molecular partners, ligands, or other proteins that regulate receptor function or expression. This Special Issue will address the diversity, structures, and molecular dynamics of nAChR in addition to how ligands regulate conformational transitions of the receptors, and how specific proteins chaperone the different receptors to serve specific functions in diverse tissues.

Guest Editor

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Message from the Editor-in-Chief

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