

## 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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### Deadline for manuscript submissions

closed (31 January 2023)



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### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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