

Review of: "The $\alpha 7$ Nicotinic Acetylcholine Receptor: a Key Molecule in Post-COVID Syndrome?"

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Potential competing interests: No potential competing interests to declare.

Nice mini review, summarizing some of the already known facts about SARS-COV-2 and cholinergic pathway and connecting post-COVID syndrome with the same pathway, which is already expressed by other researchers.

Marina Skok's group, with well known involvement in the $\alpha 7$ nAChRs research, is trying to identify the interaction between a short peptide and the $\alpha 7$ receptors.

Further editing is needed. The authors should explain why a complicated therapeutic scheme with antibodies is proposed, instead of nicotine or other ligands.