

Review of: "Implications of the SARS-CoV-2 spike protein interaction with type-1 macrophages via $\alpha 7$ -nAChR."

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This brief manuscript deals with an interesting matter. Indeed, the interaction between spike protein and the alpha-7 nicotinic receptor expressed on type 1 macrophages can be of relevance during Sars-Cov-2 infection. These data come from in silico analysis and thus there is no experimental evidence that this can indeed happen. However, the hypothesis is of interest although not based on "actual" data. Also, in the reference list the reference 41 is the same of ref 45. The reference 47 is not complete. Thus, I would say that the editorial check of this manuscript is not good. Further, some abbreviations present in the paper are not immediately clear (starting from the title with " $\alpha 7$ -nAChR"). I am an immunologist and I did not recognize immediately that the manuscript is dealing with nicotinic receptor. Certainly, it is my responsibility to know any abbreviation, but it would be better to facilitate the reader not using unusual abbreviations. Meanwhile, I had the opportunity to study the relevance of the parasympathetic system interaction with immune cells and its regulating role of immune reactions and microglia-mediated activities. Further, in the abstract the BCL6+ B cell subset suddenly appeared, and I think that this should be clarified. In other words, some points are of interest, but the reader should be more expert on this specific topic than me. Alternatively, the authors are not able to explain better their ideas to the audience.