**Response to Reviewers**

Large-scale meta-analysis of human medial frontal cortex reveals tripartite functional organization

Alejandro de la Vega, Luke J. Chang, Marie T. Banich, Tor D. Wager & Tal Yarkoni

Dear Dr. Shaham,

Thank you for the opportunity to further improve our manuscript in response to the reviewer’s comments. We have responded to these comments by thoroughly proofreading the manuscript in its entiretyand modifying a sentence in our methods section in response to the first reviewer. We believe the changes to the manuscript in response to the two sets of comments provided by the reviewers have substantially improved the quality of this manuscript. We hope you find it suitable for publication at *Journal of Neuroscience* and look forward to hearing from you.

Sincerely,

Alejandro de la Vega

All Reviewer comments are denoted in italics. Quotes from our revised manuscript are italicized and underlined. All changes are tracked using bold styling in the main document.

**Reviewer 1**

*I congratulate the authors on a very fine revision. My only very small remaining suggestions are:*

*1) Carefully proofread the text, as there are still a number of small typographic errors (e.g. "Further anterior, medial 69 prefrontal cortex (mPFC) and the rostral nterior cingulate cortex (rACC) have been associated 70 with a affective processes, including emotion" or "Although the present results provide a comprehensive snapshot MFC function").*

Thanks for helping improve the final quality of our manuscript. We have thoroughly proofread the manuscript in response, corrective a number of typographical errors. We also made two changes to improve the readability of the manuscript:

- In line 242, we moved the statement ‘*We henceforth refer to the clusters from the 3-cluster solution as “zones” to differentiate them from clusters in the 9-cluster solution, which we refer to as “sub-regions”*’ to the end of the previous paragraph in order to precede any mention of the terms “zones” and “sub-regions”.

- In our methods section, we ensured to consistently use the word “clusters” when referring to our data-derived clusters, rather than the word “regions”.

*2) Tweak this sentence, given Wager's commentary in press at PNAS: "Although term-based meta-analysis maps in Neurosynth closely resemble the results of 177 manual meta-analyses of the same concepts" ... sometimes they do, sometimes they do not...*

We have modified this sentence to be less strongly worded:

*“Although term-based meta-analysis maps in Neurosynth* ***often approximate*** *the results of manual meta-analyses of the same concepts”*

*3) As an aside, I really liked this -- "This heterogeneity is consistent with an enormous wealth of electrophysiological data demonstrating that virtually all areas of association cortex contain distinct, but overlapping, neuron populations with heterogeneous functional profiles" which reminds me of…*

Thank you for this insightful parallel to our commentary

**Reviewer 2**

*The authors have addressed all my questions and concerns.*