

Transcriptomic and spatial GABAergic neuron subtypes in zona incerta mediate distinct innate behaviors

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Version 0:

Reviewer comments:

Reviewer #1

(Remarks to the Author)

The authors did an excellent work in revising the manuscript and answered all my questions. The rationale of the investigation is now clearer and the new functional ablation experiments provide compelling evidence that the targeted neuronal subpopulations are necessary for the behaviors described. One potentially puzzling aspect is why chemogenic inhibition or ablation of Ecel1 cells do not impair spontaneous self-grooming, as I would expect based on the data from photometry recordings. This, however, can be explained by the existence of other neurons (elsewhere in the brain) compensating for the lack of activity of Ecel1. I do not have further comments.

Reviewer #2

(Remarks to the Author)

The authors have addressed all my previous concerns. I have no further comments.

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