

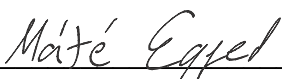
**SUPPLEMENT 2 TO THE CALL OF THE 37TH OTDK
BIOLOGY SECTION**

AUTHOR CONTRIBUTION

I, the undersigned Máté Egyed, declare that I have participated in the following work processes for the paper submitted to the 37th OTDK Oxytocin-receptor-expressing neurons in the medial preoptic area affect social behavior¹:

Subtask²	Extent of participation (on a five-point scale[#])
I performed stereotaxic surgeries for the chemogenetic and fiber photometry experiments as well as for neuronal tract tracing and carried out the behavioral tests under proper supervision.	5
I recorded videos during the behavioral tests and analyzed the behavior of the animals in chemogenetic experiments manually with Solomon Coder or with automated software (Smart).	5
For histological processes I conducted the perfusion of the animals, the sectioning of the brain samples with cryostat and performed the immunohistological procedures, such as peroxidase-based and fluorescent immunolabeling.	5
I acquired images using both light and confocal microscopes, for neuronal tracing I examined the confocal images using QuPath software.	5
I performed statistical analysis of the results of the chemogenetic experiments.	5
I participated in the analysis of fiber photometry experiments and the statistical analysis of the results.	4

Date: Budapest, January 10, 2025


Máté Egyed
signature

For two-author TDK papers:

Co-author (name)
signature

I confirm that the information contained in the declaration is correct:



Dr. Gina Puska, PhD
University of Veterinary Medicine Budapest
signature

¹ Please do not list the parts of the research project in which you were not involved at all.

² The following list is a sample, which can be freely modified and extended.

#Explanation:

Please rate your extent of involvement in the work process on a five-point scale. The meaning of each value on the scale:

5 – After preparation, I completed the whole task independently, to the extent required for the project.

4 – After preparation, I completed more than half of the whole task independently, to the extent required for the project.

3 – After preparation, I completed more than half of the subtask independently, to the extent required for the project.

2 – After preparation, I completed less than half of the subtask independently, to the extent required for the project.

1 – I completed the subtask with continuous assistance to the extent required for the paper.

m1 The student author participated in one year of the 3 years of fieldwork. This year, together with their partner, they carried out the fieldwork, during which they independently collected materials related to the species forming the basis of the TDK paper for one half of the area/study period. The rest of the collection was done by others.

m2 Of the 5 primers used, the student designed three himself, the others were ready-made.

m3 The design (e.g.: sample order+quantity) and theoretical setup of the western blot reactions was completed by the participant, however, the "wet" part of the work was largely done by the laboratory assistant. The evaluation was carried out by the participant.

m4 The statistical processing of the data was carried out by the participant, with the continuous assistance of their supervisor.