

**Список основных публикаций официального оппонента
д.б.н. Тихоновой Марии Александровны по теме диссертации в
рецензируемых научных изданиях за последние 5 лет**

1. Alimentary Treatment with Trehalose in a Pharmacological Model of Alzheimer's Disease in Mice: Effects of Different Dosages and Treatment Regimens / Pupyshev A.B., Akopyan A.A., Tenditnik M.V., Ovsyukova M.V., Dubrovina N.I., Belichenko V.M., Korolenko T.A., Zozulya S.A., Klyushnik T.P., **Tikhonova M.A.** // *Pharmaceutics*. – 2024. – V. 16. Article 813. doi: 10.3390/pharmaceutics16060813.
2. Comparative analysis of early neurodegeneration signs in a mouse model of Alzheimer's disease-like pathology induced by two types of the central (Intracerebroventricular vs. Intrahippocampal) administration of A β 25-35 oligomers / Belichenko V.M., Bashirzade A.A., Tenditnik M.V., Dubrovina N.I., Akopyan A.A., Ovsyukova M.V., Fedoseeva L.A., Pupyshev A.B., Aftanas L.I., Amstislavskaya T.G., **Tikhonova M.A.** // *Behav. Brain Res.* – 2023. – V. 454. – Article 114651. doi: 10.1016/j.bbr.2023.114651.
3. Brain but not serum BDNF levels are associated with structural alterations in the hippocampal regions in patients with drug-resistant mesial temporal lobe epilepsy / Filimonova E.A., Pashkov A.A., Moysak G.I., Tropynina A.Y., Zhanaeva S.Y., Shvaikovskaya A.A., Akopyan A.A., Danilenko K.V., Aftanas L.I., **Tikhonova M.A.**, Rzaev J.A. // *Front. Neurosci.* – 2023. – V. 17. – Article 1217702. doi: 10.3389/fnins.2023.1217702.
4. A Novel Laser-Based Zebrafish Model for Studying Traumatic Brain Injury and Its Molecular Targets / **Tikhonova M.A.**, Maslov N.A., Bashirzade A.A., Nehoroshev E.V., Babchenko V.Y., Chizhova N.D., Tsibulskaya E.O., Akopyan A.A., Markova E.V., Yang Y.L., Lu K.T., Kalueff A.V., Aftanas L.I., Amstislavskaya T.G. // *Pharmaceutics*. – 2022. – V. 14(8). – Article 1751. doi: 10.3390/pharmaceutics14081751.
5. Structural and functional characteristics of the hippocampus in depressive-like recipients after transplantation of in vitro caffeine-modulated immune cells / Markova E.V., Knyazheva M.A., **Tikhonova M.A.**, Amstislavskaya T.G. // *Neurosci. Lett.* – 2022. – V. 786. Article 136790. doi: 10.1016/j.neulet.2022.136790.
6. Combined induction of mTOR-dependent and mTOR-independent pathways of autophagy activation as an experimental therapy for Alzheimer's disease-like pathology in a mouse model / Pupyshev A.B., Belichenko V.M., Tenditnik M.V., Bashirzade A.A., Dubrovina N.I., Ovsyukova M.V., Akopyan A.A., Fedoseeva L.A., Korolenko T.A., Amstislavskaya T.G., **Tikhonova M.A.** // *Pharmacol. Biochem. Behav.* – 2022. – V. 217. – Article 173406. doi: 10.1016/j.pbb.2022.173406.
7. Disaccharide trehalose in experimental therapies for neurodegenerative disorders: Molecular targets and translational potential / Pupyshev A.B., Klyushnik T.P., Akopyan A.A., Singh S.K., **Tikhonova M.A.** // *Pharmacol. Res.* – 2022. – V. 183. – Article 106373. doi: 10.1016/j.phrs.2022.106373.
8. Neuroprotective Effects of Ceftriaxone Involve the Reduction of A β Burden and Neuroinflammatory Response in a Mouse Model of Alzheimer's Disease / **Tikhonova M.A.**, Amstislavskaya T.G., Ho Y.J., Akopyan A.A., Tenditnik M.V., Ovsyukova M.V., Bashirzade A.A., Dubrovina N.I., Aftanas L.I. // *Front. Neurosci.* – 2021. – V. 15. – Article 736786. doi: 10.3389/fnins.2021.736786.
9. Treatment with Autophagy Inducer Trehalose Alleviates Memory and Behavioral Impairments and Neuroinflammatory Brain Processes in db/db Mice /

Korolenko T.A., Dubrovina N.I., Ovsyukova M.V., Bgatova N.P., Tenditnik M.V., Pupyshev A.B., Akopyan A.A., Goncharova N.V., Lin C.L., Zavjalov E.L., **Tikhonova M.A.**, Amstislavskaya T.G. // Cells. – 2021. – V. 10(10). – Article 2557. doi: 10.3390/cells10102557.

10. Effects of Grape Polyphenols on the Life Span and Neuroinflammatory Alterations Related to Neurodegenerative Parkinson Disease-Like Disturbances in Mice / **Tikhonova M.A.**, Tikhonova N.G., Tenditnik M.V., Ovsyukova M.V., Akopyan A.A., Dubrovina N.I., Amstislavskaya T.G., Khlestkina E.K. // Molecules. – 2020. – V. 25(22). Article 5339. doi: 10.3390/molecules25225339.