

Список основных публикаций официального оппонента Пчелиной Софья Николаевна по теме диссертации Кабириной Эвелины Максимовны в рецензируемых научных изданиях за последние 5 лет.

1. Usenko, T.S., Basharova, K.S., Bezrukova, A.I. et al. Effect of LRRK2 Inhibition on the Activity of Glucocerebrosidase in Patient-Specific Cells from Patients with Gaucher Disease. *Biochemistry Moscow* 90, 99–106 (2025).
2. Bezrukova A.I., Basharova K.S., Baydakova G. V., Zakharova E. Y., Pchelina S. N., Usenko Tatiana T. S. Dependent alterations of lysosomal activity and alpha-synuclein in peripheral blood monocyte-derived macrophages and SH-SY5Y neuroblastoma cell line by upon inhibition of MTOR protein kinase – assessment of the prospects of Parkinson's disease therapy. *Biochemistry (Moscow)*, 2024, 89(7):1300-1312. doi: 10.1134/S0006297924070113.
3. Senkevich K., Miliukhina I., Zhuravlev A., Shumilova M., Beletskaya M., Skvortsova T., Yu E., Ahmad J., Asayesh F., Gan-Or Z., Emelyanov A., Pchelina S. Autosomal dominant Parkinson's disease caused by SNCA p.E46K mutation in a family with Russian ancestry. *Movement Disorders*. 2024, 39(8):1424-1425. doi: 10.1002/mds.29821.
4. Usenko T.S., Timofeeva A., Beletskaya M., Basharova K., Baydakova G., Bezrukova A., Grunina M., Emelyanov A., Miliukhina I., Zakharova E., Pchelina S. The effect of p.G2019S mutation in the LRRK2 gene on the activity of lysosomal hydrolases and the clinical for Parkinson's disease associated with p.N370S mutation in the GBA1 gene. *Journal of Integrative Neuroscience*. 2024, 23(1):16. doi: 10.31083/j.jin2301016.
5. Usenko T., Bezrukova A., Rudenok M., Basharova K., Shadrina M., Slominsky P., Zakharova E., Pchelina S. Whole transcriptome analysis of substantia nigra in mice with MPTP-induced Parkinsonism bearing defective glucocerebrosidase activity. *International Journal of Molecular Sciences*. 2023, 24(15), 12164; doi:10.3390/ijms241512164.
6. Senkevich K., Beletskaya M., Dworkind A., Yu E., Ahmad J., Ruskey J.A., Asayesh F., Spiegelman D., Fahn S., Waters C., Monchi O., Dauvilliers Y., Dupré N., Greenbaum L., Hassin-Baer S., Nagornov I., Tyurin A., Miliukhina I., Timofeeva A., Emelyanov A., Zakharova E., Alcalay R.N., Pchelina S., Gan-Or Z. Association of rare variants in ARSA with Parkinson's disease. *medRxiv [Preprint]*. 2023 Mar 13:2023.03.08.23286773. doi: 10.1101/2023.03.08.23286773. Update in: *Mov Disord*. 2023 Oct;38(10):1806-1812. doi: 10.1002/mds.29521.
7. Usenko T.S., Senkevich K.A., Basharova K.S., Bezrukova A.I., Baydakova G.V., Tyurin A.A., Beletskaya M.V., Kulabukhova D.G., Grunina M.N., Emelyanov A.K., Miliukhina I.V., Timofeeva A.A., Zakharova E.Y., Pchelina S.N. LRRK2 exonic variants are associated with lysosomal hydrolase activities and lysosphingolipid alterations in Parkinson's disease. *Gene*. 2023, 882:147639. doi: 10.1016/j.gene.2023.147639.

8. Kopytova A.E., Rychkov G.N., Cheblov A.A., Grigor'eva E.V., Nikolaev M.A., Yarkova E.S., Sorogina D.A., Ibatullin F.M., Baydakova G.V., Izyumchenko A.D., Bogdanova D.A., Boitsov V.M., Rybakov A.V., Miliukhina I.V., Bezrukikh V.A., Salogub G.N., Zakharova E.Y., Pchelina S.N., Emelyanov A.K. Potential binding sites of pharmacological chaperone NCGC00241607 on mutant β -glucocerebrosidase and its efficacy on patient-derived cell cultures in gaucher and Parkinson's disease. *International Journal of Molecular Sciences*. 2023 May 22;24(10):9105. doi: 10.3390/ijms24109105.
9. Grigor'eva E.V., Kopytova A.E., Yarkova E.S., Pavlova S.V., Sorogina D.A., Malakhova A.A., Malankhanova T.B., Baydakova G.V., Zakharova E.Y., Medvedev S.P., Pchelina S.N., Zakian S.M. Biochemical characteristics of iPSC-derived dopaminergic neurons from N370S GBA variant carriers with and without Parkinson's disease. *International Journal of Molecular Sciences*. 2023, 24(5):4437. doi: 10.3390/ijms24054437.
10. Kopytova A.E., Usenko T.S., Baydakova G.V., Nikolaev M.A., Senkevich K.A., Izyumchenko A.D., Tyurin A.A., Miliukhina I.V., Emelyanov A.K., Zakharova E.Y., Pchelina S.N. Could blood hexosylsphingosine be a marker for Parkinson's disease linked with GBA1 mutations? *Movement Disorders*. 2022, 37(8):1779-1781. doi: 10.1002/mds.29132.
11. Usenko T., Bezrukova A., Basharova K., Panteleeva A., Nikolaev M., Kopytova A., Miliukhina I., Emelyanov A., Zakharova E., Pchelina S. Comparative transcriptome analysis in monocyte-derived macrophages of asymptomatic GBA mutation carriers and patients with GBA-associated Parkinson's disease. *Genes*, 2021, 12, 1545. doi:10.3390/genes12101545.
12. Усенко Т.С., Безрукова А.И., Богданова Д.А., Николаев М.А., Милухина И.В., Грачева Е.В., Сенкевич К.А., Захарова Е.Ю., Емельянов А.К., Пчелина С.Н. Экспрессия генов мембранных белков лизосом при болезни Паркинсона, ассоциированной с мутациями в гене глюкоцереброзидазы (GBA). *Анналы клинической и экспериментальной неврологии*. 2020, 14 (2): 43-49. doi: 10.25692/ACEN.2020.2.6
13. Usenko T.S., Nikolaev M.A., Miliukhina I.V., Bezrukova A.I., Senkevich K.A., Gomzyakova N.A., Beltceva Y.A., Zalutskaya N.M., Gracheva E.V., Timofeeva A.A., Petrova O.A., Semenov A.V., Lubimova N.E., Totolyan A.A., Pchelina S.N. Plasma cytokine profile in synucleinopathies with dementia. *Journal of clinical neuroscience*. 2020, 78: 323-326. doi: 10.1016/j.jocn.2020.04.058.
14. Прочие публикации официального оппонента по теме диссертации за последние 5 лет
15. Лизосомные болезни накопления : руководство для врачей / Е. Ю. Захарова, Г. В. Байдакова, С. В. Михайлова, С.Н.Пчелина, К.Д.Краснопольская — Москва : ГЭОТАР- Медиа, 2021. — 424 с. — DOI: 10.33029/9704-6321-5-LAD-2021-1-424, ISBN 978-5-9704-6321-5