

Curriculum Vitae

Education:

Title of company	The Institute of General pathology and Pathophysiology, laboratory of general pathology of the nervous system
Address	Baltiyskaya Street, 8, Moscow, 125315, Russian Federation
Period	October 2019 – Current time
Degree	Ph. D (Russian), planned for autumn 2022
Current average grade	1.0

Title of educational institution	Lomonosov Moscow State University
Address	GSP-1, Leninskie Gory, Moscow, 119991, Russian Federation
Period	2013-2019
Degree	Specialist, Diploma with Honours
Average grade	1.0

Title of educational institution	School №1208 with enhanced education in foreign languages
Address	Zelenodolskaya, 33c3, Moscow, 109444, Russian Federation
Period	20002-2013
Average grade	1.3

Research experience:

Title of company	The Institute of General pathology and Pathophysiology, laboratory of general pathology of the nervous system
Address	Baltiyskaya Street, 8, Moscow, 125315, Russian Federation
Position	Junior research assistant
PERIOD	April 2018 – Current time
Skills mastered	Lab experience, behavioral tests on rats, preparation of brain samples, Western-blotting

Title of company	Lomonosov Moscow State University
Address	GSP-1, Leninskie Gory, Moscow, 119991, Russian Federation
Position	Student researcher
Period	September 2015 – May 2019
Skills mastered	EEG, Event-Related Potentials, fMRI
Title of company	Neurostart
Address	Varshavskoe highway, 1/1, Moscow, 117105, Russian Federation
Position	Psychophysiological, specialist in technical and scientific translation
Period	October 2017 – March 2018
Skills	Sleep, EEG, Biofeedback

Skills: Western-blotting, isolation of brain structures and sample preparation, behavioral tests (Open Field, Hot Plate, Tail flick, Elevated Plus Maze, Force Swimming, Sucrose Consumption/Preference, Three-chamber Social interaction test, Attention shifting, Pre-pulse inhibition, Morris Water Maze, Passive and Active avoidance), EEG, biofeedback, ERP, fMRI

Funded projects:

Research project No/ 20-315-90110 for Ph. D. students [The consequences of prolonged social isolation: pathophysiological mechanisms of behavioral alterations and cognitive disorders (experimental study)] was funded by the Russian Foundation for Basic Research (RFBR) Period: Octobre 2020 – Octobre 2022.

Research project No/ 16-18-00066 (System neurovisualization of cognitive functioning) was funded by the Russian Science Foundation. Period: January 2016 – May 2019.

Additional Education:

Studied at the European Pain Federation Krakow Pain School "Translational Pain Research: FROM LAB TO CLINIC", 22-27 June 2019, Poland.

Completed the Research Connect "Scientific Collaboration" course conducted by the National Training Foundation with the support of the British Embassy in Russia.

Popularization of science:

Participated at the contest Psy Slam 2017 with an oral speech and won. The following year was invited to give a speech at Psy Slam 2018. Both events were organized by Lomonosov MSU for the International Science festival.

Participated at the event Without Water [Bez Vody] with an oral speech. The event was hold at Rovestnik Bar in Moscow in hope to raise interest in science among common people.

Original articles:

(2022) Effects of silver nano-particle water solution on rat behavior. *Nanomedicine and nanopharmateutics. In press.*

(2022) Changes in sociality and social novelty preference in female rats under long-term social isolation. *Journal of higher nervous function. In press.*

(2021) Neonatal action of the dipeptidyl peptidase IV inhibitor diprotin A leads to a hyperactive phenotype formation and a prolonged increase in aggressiveness in rats. *Pathological Physiology and experimental therapy*, Vol. 65(4), pp. 4-16. [In Russian]. doi: 10.25557/0031-2991.2021.04.4-16

(2021) Long-Term Social Isolation Reduces Expression of the BDNF Precursor and Prolyl Endopeptidase in the Rat Brain. *Biochemistry (Moscow)*, Vol. 86, No. 6, pp. 704-715. Russian Text published in *Biokhimiya*, Vol. 86, No. 6, pp. 857-870. doi: 10.1134/S0006297921060080

(2020) Prolonged social isolation, started early in life, impairs cognitive abilities in rats depending on sex. *Brain Sci.*, Vol. 10. No. 11, 799, pp. 1-29. doi: 10.3390/brainsci10110799

(2019) Pain sensitivity dynamics in male and female rats under prolonged social isolation. *Russian journal of pain*, Vol. 17 № 4, pp. 27–34. doi: 10.25731/RASP.2019.04.38

(2017) Brain mechanisms of the tip-of-the-tongue state: An electroencephalography-based source localization study. *Psychology in Russia: State of the Art*. Vol. 10. No. 3. pp. 218–230. doi: 10.11621/pir.2017.0315

(2017) Effect of handedness on response inhibition: fMRI study. *The European Proceedings of Social & Behavioural Sciences EPSBS*, Vol. 33, pp. 248-255. doi:10.15405/epsbs.2017.12.24

Other scientific reports:

(2021) Heat nociception in socially isolated female rats: the estrus cycle effects. *International Webinar on Neurology & Therapeutics*. pp. 22-22.

(2021) Effects of social isolation on passive avoidance in female rats. *Cognitive neuroscience – 2020, Ural University press*. pp. 329-329.

(2020) Changes in pain sensitivity in the “Tail-Flick” test in male and female rats caused by long-term social isolation. *Russian journal of pain*. Vol. 18 (S), pp. 13-13.

(2019) The increased rat aggressiveness induced by neonatal exposure to the inhibitor of dipeptidyl peptidase IV diprotin A remains for a long time. *Fifth International Interdisciplinary Conference on “Modern problems in systemic regulation of physiological functions”*, pp. 196-197. doi: 10.24108/5-2019-confnf-78

(2019) Sex differences in emotional behavior and pain sensitivity in rats exposed to long-term post-weaning social isolation. *Ból*, Vol. 20(S), pp. 40-40.

(2018) Brain activity in face-name memory. *International Journal of Psychophysiology*, 131(10):16–16.

- (2018) Neurovisualization of the face-name recollection process. Neuroscience for medicine and psychology: XIV International Multidisciplinary Congress, (S):257-257. [In Russian].
- (2018) The role of the middle frontal gyrus in name recollection. Psychophysiology, 55(1):101–101.
- (2017) Brain mechanisms of the tip-of-the-tongue state: An electroencephalography-based source localization study. Psychology in Russia: State of the Art, 10(3):218–230.
- (2017) Tip-of-the-tongue phenomenon: an ERP study. Psychophysiology, 54(S1):130–130.
- (2017) Perception of emotional expressions in an asymmetrical face: a psychophysiological analysis. Psychophysiology, 54(S1):152–152.
- (2017) Lingual gyrus in forming a face-discrimination system. Psychophysiology, 54(S1):129–129.
- (2017) The effects of polymodal integration on the pattern of brain activity. Psychophysiology, 54(S1):102–102.
- (2017) Psychophysiological model of complex visual stimuli formation system. Clinical neurophysiology annals, (11):80-81, [In Russian].
- (2017) Effect of handedness on response inhibition: fMRI study. European Proceedings of Social and Behavioural Sciences, 248–255.
- (2016) Psychophysiological mechanisms of associative prosopagnosia. Clinical neurophysiology annals, (S):58–59.
- (2016) Retrieval from long-term memory: Dipole sources localization study. International Journal of Psychophysiology, 108:98–98.
- (2016) Formation of face-selective detectors: ERP- and dipole-source localization study. International Journal of Psychophysiology, 108:68–68.

Participance in scientific conferences:

- Oral speech** at the International Webinar on Neurology & Therapeutics (IWNT), London, March 8-9, 2021.
- Oral speech** [in Russian] as a young researcher contestant at the XXVI Russian scientific and practice conference with international participance Pain medicine – from understanding to action, Vladivostok, September 19-20, 2020.
- Poster** at the III international forum Cognitive neuroscience – 2020, December 11-12, 2020.
- Poster** at the International conference Translational Pain Research: from Lab to Clinic, Krakov, June 22-27, 2019.
- Poster** at the 41st European Conference on Visual Perception, Triest, August 26-30, 2018.