

CURRICULUM VITAE

Personal details

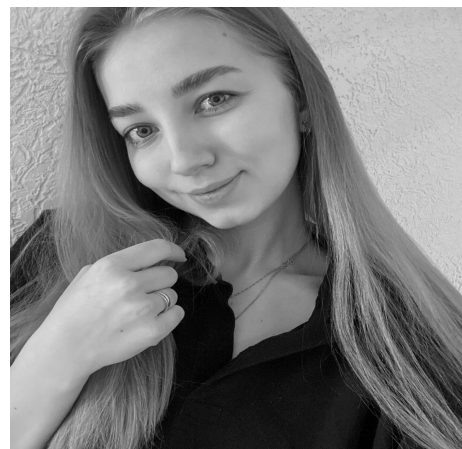
Full name: Tsven Anna Sergeevna

Date of birth: 27 May 1999

Affiliation

Laboratory assistant of Chair of Human and Animals Physiology,
Biology Department, Saratov State University,
410012, Astrakhanskaya str., 83, Saratov, Russia.

E-mail: anna.kuzmina.270599@mail.ru



Education

2017-2021 Saratov State University Biology Faculty Department of Biochemistry and Biophysics
Bachelor's degree (diploma with excellence)

2021-current Master's degree at Saratov State University, Faculty of Biology, Department of Human and
Animal Physiology

Employment

2019 - current Saratov State University
"Smart Sleep" laboratory
Laboratory assistant
The work is related to the study of cell cultures, immune cells. Immunohistochemical staining for confocal and electron microscopy.
Preparation of preparations for electron microscopy. Work on a microtome. The implementation of the preparation of histological preparations of the brain, the implementation of work on a cryotome and vibrotome.

Specialization

06.03.01 – biology

Research interests

Cellular technologies, cerebral lymphatic system; neuroimmunology, neurophotonics, electron and confocal microscopy.

Grants, Honors and Awards

2019-2021 Executor Governmental grant № 075-15- 2019-1885
“Discovery of fundamental mechanisms of sleep for breakthrough technologies of neurorehabilitation medicine”

Main publications (2019-2021):

1. Oxana Semyachkina-Glushkovskaya, Ivan Fedosov, Alexander Shirokov, Elena Vodovozov, Anna Alekseev, Alexandr Khorovodov, Inna Blokhina, Andrey Terskov, Aysel Mamedova, Maria Klimova, Alexander Dubrovsky, Vasily Ageev, Ilana Agranovich, Valeria Vinnik, Anna Tsven,

Sergey Sokolovski, Edik Rafailov, Thomas Penzel, Jürgen Kurths. Photomodulation of lymphatic delivery of liposomes to the brain bypassing the blood-brain barrier: new perspectives for glioma therapy. *Nanophotonics*. 2021, pp. 000010151520210212. <https://doi.org/10.1515/nanoph-2021-0212>
IF=8.499 (Q1)

2. Oxana Semyachkina-Glushkovskaya, Arkady Abdurashitov, Alexander Dubrovsky, Maria Klimova, Ilana Agranovich, Andrey Terskov, Alexander Shirokov, Valeria Vinnik, Anna Kuzmina, Nikita Lezhnev, Inna Blokhina, Anastassia Shnitenkova, Valery Tuchin, Edik Rafailov, and Jürgen Kurths. Photobiomodulation of lymphatic drainage and clearance: perspective strategy for augmentation of meningeal lymphatic functions. *Biomedical Optics Express* Vol. 11, Issue 2, pp. 725-734 (2020) <https://doi.org/10.1364/BOE.383390>
IF= 3.910 (Q1)

Scientific achievement:

2020 participation in VII school-conference on “Physiology and Pathology of Blood Circulation”
Moscow, Russia

2020 participation in the I international and XII regional scientific conference “Research of young scientists
in biology and ecology” Saratov, Russia