

ELENA D. NOSYREVA, Ph. D.
CURRICULUM VITAE
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ADDRESS: 6606 Orangetown Dr.
Dallas, TX 75248
Phone: (214)-395-2359
E-mail: elena.nosyreva@utsouthwestern.edu

Visa Type: Green Card

EDUCATION

M. Sc. in Physiology, 1976	College of Biology, St. Petersburg State University, St. Petersburg, Russia
Ph.D. in Cytology, 1980	Institute of Cytology, Russian Academy of Sciences, St. Petersburg, Russia.

SUMMARY OF PROFESSIONAL EXPERIENCE

Vast research experience in physiology, neurobiology and signal transduction, wide spectrum of electrophysiological, cellular biological and biochemical skills including:

- skilled expertise in electrophysiology: voltage clamp technique, patch clamp technique , single channel recordings of reconstituted proteins in bilayers, extracellular recordings from mammalian brain slices and insect and mammalian neuromuscular junctions
- experience in protein expression and purification
- significant experience in molecular biology techniques
- extensive cell culture experience

Advanced computer literacy in the following programs:

- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Word
- Adobe Photoshop CS6
- Adobe Illustrator CS5

Supervisory experience:

Extensive supervision including the training of graduate students and technicians in a variety of work product and task related responsibilities.

POSITIONS HELD

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|----------------------|---|
| 2002- Present | Instructor, Department of Neuroscience
UT Southwestern Medical Center Dallas,
TX USA |
| 1999-2002 | Postdoctoral Fellow, Instructor,
Department of Physiology, UT
Southwestern Medical Center,
Dallas, TX, USA |
| 1990-1999 | Senior Scientist, Ph.D. Laboratory of
Neuroreceptors and Neuroregulators, the
Shemyakin and Ovchinnikov Institute of
Bioorganic Chemistry, RAS, Moscow, Russia |
| 1981-1988 | Scientist, Ph.D. Laboratory of Ionic
channels, Institute of Cytology RAS, St.
Petersburg, Russia |

LIST OF RECENT PUBLICATIONS

1. **Nosyreva E**, Autry AE, Kavalali ET, Monteggia LM. [Age dependence of the rapid antidepressant and synaptic effects of acute NMDA receptor blockade.](#) (2014) *Front Mol Neurosci* Dec 1;7:94.
2. **E. Nosyreva**, K. Szhabla, A. Autry, A. Ryazanov, L. Monteggia, E. Kavalai. Acute suppression of spontaneous neurotransmission drives synaptic potentiation. (2013) *J. Neurosci* 33(16): 6990-7002.
<http://www.ncbi.nlm.nih.gov/pubmed/23595756>
3. A.A. Autry, M. Adachi, **E. Nosyreva**, E.S. Na, M.F. Los, P. Cheng, E.T. Kavalali, L.M. Monteggia. (2011)
NMDA receptor blockage at rest triggers rapid behavioral antidepressant responses. *Nature* 475(7354):91-5.
<http://www.ncbi.nlm.nih.gov/pubmed/21677641>
4. **Nosyreva E. D.**, Kavalali E.T. (2010)
Activity-Dependent Augmentation of Spontaneous Neurotransmission during Endoplasmic Reticulum Stress.
J. Neurosci. 30: 7358-7368
<http://www.jneurosci.org/content/30/21/7358.full.pdf+html>
5. Zang JB, **Nosyreva ED**, Spencer CM, Volk LJ, Musunuru K, Zhong R, Stone EF, Yuva-Paylor LA, Huber KM, Paylor R, Darnell JC, Darnell RB. (2009)
[A mouse model of the human Fragile X syndrome I304N mutation.](#)
PLoS Genet. Dec; 5(12):e1000758.
6. Waung MW, Pfeiffer BE, **Nosyreva ED**, Ronesi JA, Huber KM. (2008)
Rapid translation of Arc/Arg3.1 selectively mediates mGluR-dependent LTD through persistent increases in AMPAR endocytosis rate.
Neuron 59(1):84-97.
7. Atasoy D, Schoch S, Ho A, Nadasy KA, Liu X, Zhang W, Mukherjee K, **Nosyreva ED**, Fernandez-Chacon R, Missler M, Kavalali ET, Südhof TC. (2007)
Deletion of CASK in mice is lethal and impairs synaptic function.
Proc Natl Acad Sci U S A. 104(7): 2525-30.

8. **Nosyreva E.**, Huber K. **(2006)** Metabotropic receptor-dependent long-term depression persists in the absence of protein synthesis in the model of fragile x syndrome. *J Neurophysiol* 95: 3291-3295.

9. **Nosyreva E.**, Huber K. **(2005)** Developmental switch in synaptic mechanisms of hippocampal mGluR – dependent long-term depression. *J Neurosci* 25 (11): 2992-3001.

10. Tu H, Wang Z, **Nosyreva E.**, De Smedt H, Bezprozvanny I. **(2005)** Functional characterization of mammalian inositol 1,4,5-trisphosphate receptor isoforms. *Biophys J.* 88(2):1046-55.