

## *Yevgenia Kozorovitskiy, PhD*

Northwestern University  
Department of Neurobiology  
2205 Tech Drive Hogan 2-160  
Evanston, IL 60208

*Yevgenia.Kozorovitskiy@northwestern.edu*  
Tel (office): 847-467-4898  
Tel (mobile): 609-947-4727  
[www.kozorovitskiy.org](http://www.kozorovitskiy.org)

### ***ACADEMIC POSITIONS***

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Assistant Professor, Northwestern University, Department of Neurobiology 7/2014  
Junior Fellow, Harvard Society of Fellows 2007-2010

### ***EDUCATION***

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PhD, Princeton University, Neuroscience & Psychology 2007  
Ion Channel Physiology Course, Cold Spring Harbor Laboratories 2007  
BA, Princeton University, Psychology & Neuroscience, *Summa cum laude* 2001

### ***PROFESSIONAL EXPERIENCE***

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Postdoctoral research, Harvard Medical School/HHMI 2007–2014  
“Neural activity and neuromodulation in developmental wiring of basal ganglia circuits”  
Adviser: Bernardo Sabatini, MD, PhD

Graduate research, Princeton University 2002–2007  
“Social experience-induced structural plasticity in the adult rodent and primate brain”  
Adviser: Elizabeth Gould, PhD

Undergraduate research, Princeton University 1999–2001  
“Social dominance influences adult hippocampal neurogenesis”  
Adviser: Elizabeth Gould, PhD

### ***FELLOWSHIP AWARDS***

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#### In the independent position:

Searle Scholar Award, Kinship Foundation 2016-2019  
Sloan Research Fellowship, Alfred P. Sloan Foundation 2016-2018  
Beckman Young Investigator Award, Arnold & Mabel Beckman Foundation 2015-2017  
Rita Allen Scholar Award, Rita Allen Foundation 2015-2020  
Cornew Innovation Award, Chemistry of Life Processes Institute 2015-2016  
Chicago Biomedical Consortium Catalyst Award (w/ H. Zhang & P. LaRiviere) 2015-2017  
Whitehall Foundation Grant, Whitehall Foundation 2015-2016  
William and Bernice Bumpus Innovation Award, W. & B. Bumpus Foundation 2015–2018  
NARSAD Young Investigator Grant and P&S Fund Investigator, 2015–2017  
Brain & Behavior Research Foundation and P&S Fund

#### Prior to independent position:

Leonard and Isabelle Goldenson Research Fellowship, Goldenson Foundation	2011–2013
William F. Milton Fund Award, Harvard University	2008–2010
Harvard University Society of Fellows Junior Fellowship	2007–2010
Ruth Kirschstein NRSA Predoctoral Fellowship, NIMH	2004–2007

### ***SELECTED AWARDS AND HONORS***

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Kavli Frontiers of Science Fellow, Kavli Foundation & National Academies of Science	2017
American College of Neuropsychopharmacology Travel Award, ACNP	2017
Janett Rosenberg Trubatch Career Development Award, Society for Neuroscience	2016
Public Voices Fellows Program, Northwestern University	2015
Anuradha Rao Memorial Award, Cell Press/Society for Neuroscience	2013
National Postdoc Appreciation Week Travel Award, Harvard Medical School	2011
Young Investigator Award, International Society for Neurochemistry (declined)	2010
Cell Press Award at Gordon Research Conference Dendrites	2009
Association for Women in Science Predoctoral Award, AWIS	2006
Young Investigator Award, Society for Behavioral Neuroendocrinology	2006
Neurotrain Grant, Federation of European Neuroscience Societies	2006
First Year Merit Prize, Princeton University	2002
Class of 1943 Senior Thesis Prize in Neuroscience, Princeton University	2001

### ***PUBLICATIONS***

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#### ***Manuscripts in Process***

Xiao, L, Priest, M, **Kozorovitskiy, Y** (In revision). Oxytocin as a spatiotemporal gate for VTA dopamine neuron excitatory synaptic transmission. *eLife*.

Banala, S\*, Arvin, M\*, Bannon, N, Jin, X, Wang, Y, Zhao, G, Marshall, J, Gee, K, Contractor, A, Lester, H, Kozorovitskiy, Y, Drenan, R#, Lavis, L# (In revision). A general method to prepare photoactivatable drugs using quaternary linkages. *Nature Methods*. \*Co-first, #co-corresponding authors.

#### ***Research Papers***

Urban, B, Xiao, L, Chen, S, Dong, B, Yang, H, **Kozorovitskiy, Y**, Zhang, H (In press). *In vivo* super-resolution imaging of neuronal structure in the mouse brain. *IEEE Transactions on Biomedical Engineering*, 65(1):232-238.

Urban, B, Xiao, L, Chen, S, Dong, B, **Kozorovitskiy, Y**#, Zhang, H# (2017). Imaging neuronal structure dynamics using two-photon super-resolution patterned excitation reconstruction (SuPER) microscopy. *Journal of Biophotonics*, Oct 4. doi: 10.1002/jbio.201700171. #Co-corresponding authors.

Xiao L, Priest MF, Nasenbeny J, Lu T, **Kozorovitskiy Y** (2017). Biased oxytocinergic modulation of midbrain dopamine systems. *Neuron*, 95(2):368-384.

Preview by Charlet, A & Grinevich, V (2017). Oxytocin mobilizes midbrain dopamine toward sociality. *Neuron*, 95(2):235-237.

Peixoto, R., Wang, W, Croney, D, **Kozorovitskiy, Y**, Sabatini, B (2016). Early hyperactivity and precocious maturation of corticostriatal circuits in Shank3B<sup>-/-</sup> mice. *Nature Neuroscience*, 19(5): 716-24

**Kozorovitskiy, Y**, Peixoto, R, Wang, W, Saunders, A, Sabatini B (2015). Neuromodulation of excitatory synaptogenesis in striatal development. *eLife*, pii: e10111.

Tang, J, Szikra, T, **Kozorovitskiy, Y**, Teixeira, M, Sabatini, B, Roska, B, Cepko C (2013). A nanobody-based system using fluorescent proteins as scaffolds for cell-specific gene manipulation. *Cell*, 154(4): 928-39.

Kwon, H, **Kozorovitskiy, Y**, Oh, W, Peixoto, R, Akhtar, N, Saulnier, J, Gu, C, Sabatini, B (2012). Neuroligin-1-dependent competition regulates cortical synaptogenesis and synapse number. *Nature Neuroscience*, 15(12): 1667-74.

**Kozorovitskiy, Y\***, Saunders, A\*, Johnson, C, Lowell, B, Sabatini, B (2012). Recurrent network activity drives striatal synaptogenesis. *Nature*, 485(7400): 646-50.

Glasper, E, **Kozorovitskiy, Y**, Pavlic A, Gould, E (2011). Paternal experience suppresses adult neurogenesis without altering hippocampal function in *Peromyscus californicus*. *Journal of Comparative Neurology*, 519(11): 2271-81.

Leuner, B, **Kozorovitskiy, Y**, Gross, C, Gould, E (2007). Diminished adult neurogenesis in the marmoset brain precedes old age. *PNAS*, 104(43): 17169–73.

**Kozorovitskiy, Y**, Hughes, M, Lee, K, Gould, E (2006). Fatherhood affects dendritic spines and vasopressin V1a receptors in the primate prefrontal cortex. *Nature Neuroscience*, 9(9): 1094–5.

**Kozorovitskiy, Y**, Gross, C, Copil, K, Battaglia, L, McBreen, M, Stranahan, A, Gould, E (2005). Experience induces structural and biochemical changes in the adult primate brain. *PNAS*, 102(48): 17478–82.

Leuner, B, Mendolia-Loffredo, S, **Kozorovitskiy, Y**, Samburg, D, Gould, E, Shors, T (2004). Learning enhances the survival of new neurons beyond the time when the hippocampus is required for memory. *Journal of Neuroscience*, 24(34): 7477–81.

**Kozorovitskiy, Y**, Gould, E. (2004). Dominance hierarchy influences adult neurogenesis in the dentate gyrus. *Journal of Neuroscience*, 24(30): 6755–9.

Shors, T, Townsend, D, Zhao, M, **Kozorovitskiy, Y**, Gould, E (2002). Neurogenesis may relate to some but not all types of hippocampal-dependent learning. *Hippocampus*, 12: 578–84. Role:

### **Reviews and Book Chapters**

Priest MF, **Kozorovitskiy Y**. (2016). News and Views: PAM helps solve VTA's SHANKless problem. *Nature Neuroscience*, 19(7): 864-6.

**Kozorovitskiy, Y**, Gould, E (2007). Adult neurogenesis in the hippocampus. In *Handbook of Developmental Cognitive Neuroscience*, Eds. Charles Nelson & Monica Luciana; MIT Press.

**Kozorovitskiy, Y, Gould, E (2006).** Adult neurogenesis and regeneration. In *Cognitive Reserve*, Eds. Yaakov Stern; Taylor Francis.

**Kozorovitskiy, Y (2005).** Journal Club: Not every graft has what it takes to attract a mossy fiber. *Journal of Neuroscience*, 24(45): 10337–8.

**Kozorovitskiy, Y, Gould, E (2003).** News and Views: Stem cell fusion in the brain. *Nature Cell Biology*, 5(11): 952–4.

**Kozorovitskiy, Y, Gould, E (2003).** Adult neurogenesis: A mechanism for brain repair? *Journal of Clinical and Experimental Neuropsychology*, 25(5): 721–732.

### *INVITED TALKS (selected)*

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Purdue University, Department of Biology, <i>Lafayette, IN</i>	12/2017
Symposium on Neural Modulation and Circuits, University of Virginia, <i>Charlottesville, VA</i>	11/2017
Northwestern University, Department of Pharmacology, <i>Chicago, IL</i>	11/2017
University of Colorado (Boulder) seminar series, <i>Boulder, CO</i>	03/2017
12 <sup>th</sup> International Basal Ganglia Society Meeting, <i>Merida, Mexico</i>	03/2017
Northwestern University Alumni Organization, <i>Chicago, IL</i>	05/2016
The Developing Brain, Nobel Forum, Karolinska Institute, <i>Stockholm, Sweden</i>	09/2015
Neurobiology of Information Storage Retreat, <i>Lake Geneva, WI</i>	07/2015
Feinberg School of Medicine, Northwestern University, <i>Chicago, IL</i>	05/2015
Dendrites Gordon Research Conference, <i>Ventura, CA</i>	03/2015
Netherlands Institute for Neuroscience, <i>Amsterdam, Netherlands</i>	08/2014
Neural Circuit Development and Plasticity Summer School, <i>Utrecht, Netherlands</i>	08/2014
Society of Biological Psychiatry Meeting, <i>New York, NY</i>	05/2014
Basal Ganglia Gordon Research Conference, <i>Ventura, CA</i>	02/2014
Society for Neuroscience Meeting, <i>San Diego, CA</i>	11/2013
Massachusetts Institute of Technology, <i>Boston, MA</i>	
Rockefeller University, <i>New York, NY</i>	02/2013
New York University, Langone Medical Center, <i>New York, NY</i>	02/2013
Johns Hopkins University, <i>Baltimore, MD</i>	
Princeton University, <i>Princeton, NJ</i>	
Northwestern University, <i>Evanston, IL</i>	12/2012
Cold Spring Harbor Laboratories, <i>Cold Spring Harbor, NY</i>	12/2012
National Institutes of Health, <i>Washington, DC</i>	12/2012
Dartmouth University, Geisel School of Medicine, <i>Hanover, NH</i>	11/2012
Dendrites Gordon Research Conference (selected from Symposium), <i>Ventura, CA</i>	03/2011
Dendrites Gordon Research Symposium, <i>Ventura, CA</i>	03/2011
Dendrites Gordon Research Symposium, <i>Lucca, Italy</i>	05/2009
Department of Neurobiology, Harvard Medical School, <i>Boston, MA</i>	02/2009
Bernstein Lecture Series, Max Plank Institute for Dynamics and Self-Organization <i>Goettingen, Germany</i>	05/2008
World Congress on Neurohypophysial Hormones, <i>Regensburg, Germany</i>	09/2007
Research Symposium, Princeton University, <i>Princeton, NJ</i>	10/2006
Neuroscience Colloquium, Princeton University, <i>Princeton, NJ</i>	09/2006
Young Investigator Symposium, Society for Behavioral Neuroendocrinology	06/2006

***TEACHING AND SERVICE (selected)***

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Scientific Review: *Nature Neuroscience, Neuron, Journal of Neuroscience, Hormones and Behavior, Stem Cells, Frontiers.*

SfN 50 <sup>th</sup> Anniversary Working Group	2017–
SfN Trainee Professional Development Awards Selection Committee	2017–
Early Career Reviewer, NIH, MNPS study section	2017
Instructor, Neuroscience of Animal Behavior (NEUROSCI 320)	2015–
Faculty Search Committee Member, Northwestern University	2014–2015
	2015–2016
	2016–2017
Panelist, Academic Job Search Series, Northwestern University	2015
Faculty Chair, Postdoctoral Association, Program in Neuroscience, Northwestern U	2014–
Graduate thesis committees: Kim, Helm, Lahiri, Bonar, Nasenbeny, Adoff	2014–

***SOCIETY MEMBERSHIPS***

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Harvard Society of Fellows	2007–2010
Society for Neuroscience	2001–