

GEORGIY YUDINTSEV
Curriculum Vitae

Contact Information

2514 Beckman Institute
405 North Mathews Avenue
Urbana, Illinois 61801

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cell: (217) 417-5663

Education

- 05/14-present **Ph.D. Candidate, Neuroscience Program**
University of Illinois at Urbana-Champaign | GPA: 4.00
Adviser: Dr. Daniel A. Llano
- 08/09-05/13 **B.S., Molecular and Cellular Biology, Honors Concentration**
University of Illinois at Urbana-Champaign
- 01/09-08/09 **Advanced Level ESL Certificate**
Intensive English Institute
University of Illinois at Urbana-Champaign
- 9/06-12/08 **Biology, Education**
Karaganda State University, Karaganda, Kazakhstan

Research

- 05/14-present **Graduate Researcher**
Beckman Institute, Urbana, IL
Current project involves unraveling the differences and characterizing the heterogeneity between layer 5 and layer 6 corticocollicular neurons in the mouse cortex using modern anatomical tract-tracing, and *in vivo* calcium imaging (GCaMP6s transgenic mice).
- 05/13-05/14 **Laboratory Technician**
Beckman Institute, Urbana, IL
Project: "In-vivo Flavoprotein Imaging Study of the Auditory-Evoked Responses in the Mouse Auditory Cortex."
- 01/11-05/13 **Undergraduate Researcher, Beckman Institute**
Senior Thesis: "Differential Projections of the Auditory Cortical Neurons from Layers V and VI to the Inferior Colliculus."
- 05/12-08/12 **Mayo Clinic Summer Research Fellow**
Mayo Clinic, Rochester, MN
Project: "Modeling Chemotherapy-Induced Peripheral Neuropathy in *D. melanogaster*."
- 12/07-12/08 **Laboratory Research Assistant**
Project: "Assessment of Heavy Metals Concentration in Karaganda Population."
National Center for Professional Diseases and Prevention, Karaganda, Kazakhstan.

Publications

1. Patel, Mili B., Stacy Sons, **Georgiy Yudintsev**, Alexandria MH Lesicko, Luye Yang, Gehad A. Taha, Scott M. Pierce, and Daniel A. Llano. (2016) Anatomical characterization of subcortical descending projections to the inferior colliculus in mouse." *Journal of Comparative Neurology*.
2. Podratz, J. L., H. Lee, P. Knorr, S. Koehler, S. Forsythe, K. Lambrecht, S. Arias, K. Schmidt, G. Steinhoff, **G. Yudintsev**, A. Yang, E. Trushina and A. Windebank (2016). "Cisplatin induces mitochondrial deficits in Drosophila larval segmental nerve." *Neurobiology of Disease*.

Book chapters

1. **Yudintsev G.**, Lee C.M., and Llano D.A. (2017) "Guide to transcranial *in vivo* imaging of sound-evoked activity in the auditory cortex of GCaMP6s mice" In *Neuromethods: Basic Neurobiology Techniques*. Wright N. ed. Springer Publishers. (Invited, in preparation).

Conference proceedings

1. Patel, Mili B., Luye Yang, Gehad A. Taha, Daniel A. Llano, Alexandria MH Lesicko, and **Georgiy Yudintsev**. (2015) The thalamotectal system: An ancient projection for modulating the auditory midbrain. In *Proceedings of Meetings on Acoustics*, vol. 25, no. 1, p. 010004. Acoustical Society of America.

Conferences and presentations

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|-----------------|---|
| 14-19 Nov, 2014 | Society for Neuroscience, Washington, DC, Nov. 19 th , 2014

Yudintsev, G. , Lesicko, A. M. H., Llano, D. A. Poster: "Layer-specific differences in the mouse auditory corticocollicular pathway: an anatomical study." |
| 17-21 Oct, 2015 | Society for Neuroscience, Chicago, IL, Oct. 20 th , 2015

Yudintsev, G. , Llano, D. A. Poster: "Layer 5 and 6 auditory corticocollicular neurons are differentially distributed with respect to their subcortical targets in the mouse." |
| 11-15 Feb, 2017 | Association for Research in Otolaryngology, Baltimore, Feb. 13 th , 2017

Yudintsev, G. , Llano, D. A. Poster: "Layer 5 and 6 neurons projecting to the inferior colliculus comprise two distinct and heterogeneous populations in the cortex." |

Teaching

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| 2015, FALL | Teaching Assistant, MCB/NEUR 314 Introduction to Neurobiology, College of LAS, UIUC. |
| 2016, SPRING | Teaching Assistant, BBHD Brain, Behavior and Human Development, College of Medicine, UIUC. |
| 2016, FALL | Teaching Assistant, MCB/NEUR 314 Introduction to Neurobiology, College of LAS, UIUC. |
| 2016, FALL | Teaching Assistant, MCB 244 Human Anatomy and Physiology, College of LAS, UIUC. |

Honors and awards

2017 Bob Bilger Graduate Student Award (\$1,250).
2009-2013 Kazakhstan Presidential International Scholarship "Bolashak"
(\$200,000).
2013 Honors and Departmental Distinction in Molecular and Cellular Biology.
2012 Mayo Clinic Summer Undergraduate Research Fellowship (\$5,000).

Journal reviews

Cerebral Cortex
Frontiers in Neural Circuits

Professional affiliations

Association for Research in Otolaryngology
Society for Neuroscience

Undergraduate students research mentoring:

Macey Coppinger (Molecular and Cellular Biology (MCB), *Senior Thesis*), Devika Nair (MCB),
Vraj Patel (MCB), Omar Zaki (MCB).

Other activities

09/99-present Classical Piano
Mentors: Podolskaya Natalya Vladimirovna (1999-2006), Milica
Vukmanovic, D.M.A. (2010-2011), Wuna Meng D.M.A. (2012-2015).
05/14 Brain Awareness Day presenter and volunteer at Orpheum museum,
Champaign, IL.
12/12-05/13 Carle Clinic Observer, M.D. shadowing, Department of Neurology.
09/10-09/11 Website Designer Chair for Illini Medical Screening Society.
09/11-05/12 LIGASE Registered Student Organization Tutor in Molecular and
Cellular Biology.
06/07-09/07 Camp Counselors USA Exchange Student, Berachah Camp (currently
Black Diamond Camp), Auburn, WA.
06/08-09/08 Camp Counselors USA Exchange Student, Berachah Camp (currently
Black Diamond Camp), Auburn, WA.
06/06-01/09 ESL tutor, Karaganda, Kazakhstan.