

ANASTASIA STOOPS

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I. Personal History and Professional Experience

A. Educational Background

Associate degree in Elementary Education, Pedagogical College, Chisinau, Moldova (4-year vocational school equivalent, July, 1993)

5-year undergraduate diploma in Applied Linguistics, TEFL/TESOL specialization, Moldova State University, Chisinau, Moldova (July, 1998)

Masters of Arts in Technical Communication, Texas Tech University, Lubbock, TX (May, 2001)

PhD in Educational Psychology, (Specialization: Cognitive Science of Teaching and Learning), University of Illinois at Urbana-Champaign, Urbana, IL (December 2012)

Advanced Certification in Second Language Learning and Teacher Education (SLATE), University of Illinois at Urbana-Champaign, Urbana, IL (December 2012)

NIH postdoctoral traineeship in language-related cognitive interventions with double appointment at the Department of Psychiatry, Columbia University, New York, NY and Nathan Kline Institute for Psychiatric Research, Orangeburg, NY (September, 2014 – July, 2017)

B. Research Positions since Final Degree

Postdoctoral Research Scientist (semantic and syntactic processing, EEG), Language and the Brain Lab, Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign. Director: Susan Garnsey (January, 2013-August, 2014)

Postdoctoral Research Scientist (auditory and visual advanced psychophysics, eye-tracking, EEG, tDCS, functional connectivity), Division of Experimental Therapeutics, Columbia University Medical Center, Psychiatry Department, Columbia University, New York, NY, Director: Dan Javitt (September, 2014-June, 2016)

Postdoctoral Research Scientist (language impairments and interventions, eye-tracking co-registered with EEG, tDCS and fMRI, functional connectivity and source signal

localization), Cognitive Neuroscience Lab, Schizophrenia Research Program, Nathan Kline Institute for Psychiatric Research, Orangeburg, NY, Director: Dan Javitt (July, 2016 – July, 2017)

Visiting Research Scientist (syntactic and semantic processing in native speakers, L2 learners, and dyslexics, eye-tracking and EEG data modeling), Department of Linguistics, University of Illinois at Urbana-Champaign, Urbana, IL (August, 2018 – August, 2019)

Postdoctoral Research Associate (Learning language from the environment, eye-tracking, EEG, cognitive data modeling), Department of Psychology, University of Illinois at Urbana-Champaign, Champaign, IL (August, 2019 – present)

C. Academic Positions since Final Degree

Visiting Lecturer, Intensive English Institute, University of Illinois at Urbana-Champaign (May, 2013 – August, 2014)

Adjunct Dissertation Chair, Psychology Department, College of Doctoral Studies, Grand Canyon University Online, (June, 2018 – August, 2019)

D. Other Professional Employment

Lecturer, Department of Modern Languages, Moldova State University, Chisinau, Moldova (September, 1997-June, 1999)

Instructor, English Department, Texas Tech University, Lubbock, TX (August, 1999-May, 2001)

Instructional Designer /Human Factors Specialist, Blackwell Consulting Company, research and Development Division, Chicago, IL, (August, 2001 – August, 2005)

Teaching Assistant, Department of Educational Psychology, College of Education, University of Illinois at Urbana-Champaign, Urbana, IL, (August, 2005 – December, 2012)

Lab Manager, Educational Psychology Psycholinguistics Lab, Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign, Urbana, IL, (September, 2010 – August, 2012)

E. Honors, Recognitions, and Outstanding Achievements

Open Society Institute, Virtual University Undergraduate Exchange Program, Soros Foundation Grant (top 1 % 3 participants awarded out of 300 applications). Full tuition and room- and-board at Roosevelt University, Chicago, IL, (August, 1996 – May, 1997)

English Department Alumni Scholarship Recipient, Texas Tech University, Lubbock, TX (August 1999 – September, 2000)

People's Choice Award, Blackwell Consulting Services, Chicago, IL. Voluntarily designed and conducted web developer training course for Blackwell consultants to assist in their preparation for International Webmaster Certification (CIW) (August, 2003)

Consistently placed on the University of Illinois List of Teachers Ranked as Excellent (August, 2005 – December, 2012)

NSF Dissertation Research Support, (September 2010 – August, 2012)

Hardie Travel Award, College of Education, University of Illinois at Urbana-Champaign, Urbana, IL (August, 2011)

Hardie Travel Award, College of Education, University of Illinois at Urbana-Champaign, Urbana, IL (October, 2012)

Global Literacy and Accessibility Challenge Proposal, Facebook, Menlo Park, CA. 1% awarding rate: 4 grants out of over 400 submissions (November, 2018 – October, 2019)

National Center for Supercomputing Applications (NCSA) 2021 Fellow (July, 2021 – June, 2022)

F. Invited Lectures and Invited Conference Presentations

Keynote talks

Stoops, A. (June, 2019). Literacy in native speakers, English language learners and dyslexics. A keynote talk given at the natural language processing focus panel at the annual research summit at Facebook Headquarters, Menlo Park, CA.

Other invited talks

Stoops, A. (March, 2017). From early cortical audio and visual sensory processing to language comprehension: evidence from EEG, eye-tracking, and fMRI. A talk presented at the Neuroimaging Lecture Series, Haskins Laboratories, Yale University, New Haven, CT

Stoops, A. (September, 2019). Language expectations in reading: evidence from eye-tracking and EEG. A talk presented at the Linguistics Seminar Lecture Series, Department of Linguistics, University of Illinois at Urbana-Champaign

Stoops, A. (October, 2019). Higher-level linguistic processing in parafovea in reading: eye-tracking evidence. A talk presented at the Language Processing Brown Bag, Psychology Department, University of Illinois at Urbana-Champaign

Stoops, A. (March 2020). Syntactic modulation in the parafovea. A talk presented at the Cognitive Brown Bag, Department of Psychology, University of Illinois at Urbana-Champaign

Stoops, A. (March, 2021). A novel corpus of home book reading sessions recorded at home. A talk given at the Undergraduate Research seminar quest speaker series, Department of Psychology, Santa Clara University

G. Grants Received

PI: K. Christianson, student Co-PI: **A. Stoops**. NSF Dissertation Research Support, BCS-0847533. 9/1/10-8/1/12, \$40,000.00 Project Title: “*Parafoveal preview during reading in Russian: native speakers and second language learners.*” Research assistant, subject fees, equipment, materials, and travel.

PI: T. Ionin, Co-PI: S. Garnsey, collaborator: **A. Stoops**. University of Illinois Campus Research Board, 8/15/13-12/31/14, \$19,770. Project Title: “*Processing and interpretation of word order configurations in native and non-native Russian*”. Support for research assistant, equipment and subject fees.

PI: D. Javitt, Postdoctoral Trainee: **A. Stoops**. National Institute of Health (NIH), National Institute of Mental Health (NIMH), #5R01MH049334-26 09, 09/01/14-07/01/17. \$626, 534. Project Title: “*Early Cortical processing in Schizophrenia.*” Researcher salary, subject fees, travel and research expenses.

PI: D. Javitt, Postdoctoral Trainee: **A. Stoops**. National Institute of Health (NIH), National Institute of Mental Health (NIMH), #5R33MH099265-04 09, 09/01/14-07/01/17. \$280,000. Project Title: “*tDCS Augmentation of Cognitive remediation in Schizophrenia.*” Researcher salary, subject fees, travel and research expenses.

PI: D. Javitt, Postdoctoral Trainee: **A. Stoops**. National Institute of Health (NIH), National Institute of Mental Health (NIMH), Exploratory/Developmental Grants Phase II, #5R01MH109289-02 09, 09/01/14-07/01/17. \$592,859. Project Title: “*Temporal Dynamics of Neurophysiological patterns as treatment targets in Schizophrenia.*” Researcher salary, subject fees, travel and research expenses.

PI: **A. Stoops**, Co-PIs: K. Christianson, J. Williams. Facebook Research Division. Global Literacy and Accessibility Challenge Research Award, 11/29/18-10/31/19, \$30,000.00. Project Title: “*Literacy in English native speakers, English language learners and dyslexics*”. Researcher salary, collaborators consultation fees, subject fees, travel and research expenses.

PI: J. Montag, Postdoctoral Research Associate: **A. Stoops**. Picture Book Reading: Investigating a key source of linguistic input for language development. National Science Foundation, 1749594, 08/2019 – 08/2022 \$427, 933.

PI: J. Willits, Co-PIs: **A. Stoops**, J. Montag. Using Machine Learning to Predict Eye Movements in Skilled and Unskilled Readers. National Center for supercomputing Applications (NCSA) Fellow Seed Funding, 07/2021-06-2022, \$24,275.00.

PI: J. Montag, Co-PIs: **A. Stoops**, J. Willits. Understanding eye movements in skilled readers and novice readers: A behavioral and computational approach. National Science Foundation, pending approval 01/01/2022-31/12/2024, \$575,333.00.

II. Publications and Creative Works

Denotes any publication derived from the candidate's thesis.

* Denotes publication that has undergone stringent editorial review by peers.

+ Denotes publication that was invited and carries special prestige and recognition.

1. Doctoral Thesis Title

Parafoveal preview during reading in Russian: native speakers and second language learners.

Supervisor: Prof. Kiel Christianson. Committee members: Dr. Tania Ionin, Dr. Peter Galato, Dr. Denis Drieghe, University of Illinois at Urbana-Champaign, Urbana, IL, (December, 2012).

2. Chapters in books (in print or accepted)

+*Maltseva, N. & **Stoops, A.** (2013). The problem of morphology acquisition in heritage language learners. In T.A. Kruglyakova & T.V. Kuzmina (Eds.), *St. Petersburg School of Ontolinguistics* (pp. 218-223). St. Petersburg, Russia: Zlatoust. ISBN 978-5-86547-703-7

+*Maltseva N., & **Stoops A.** (2015). Acquisition of nominal morphology by heritage Russian speakers. *Issues in Ontolinguistics 2014: Bilingualism* (pp. 134-137), St.-Petersburg: Zlatoust. ISBN 978-5-86547-898-0

3. Articles in Journals (in print or accepted)

***Stoops, A.**, Luke, G. S., & Christianson, K. (2014). Animacy information outweighs morphological cues in Russian. *Language, Cognition, and Neuroscience*.
Doi:10.1080/01690965.2013.813560

*Chason, L., Loyet, D., Sorenson, A., & **Stoops, A.** (2016). TBSIR – a novel approach to teach ESL writing and promote critical thinking. *TESOL Journal*. doi:10.1002/tesj.288

*Corcoran, C., **Stoops, A.**, Lee, M., Martinez, A., Sehatpour, P., Diaz, E., & Javitt, D.C. (2017). Developmental trajectory of mismatch negativity and visual event-related potentials in healthy controls: implications for neurodevelopmental vs. neurodegenerative models of schizophrenia. *Schizophrenia Research*. doi: 10.1016/j.schres.2017.09.047

#***Stoops, A.** & Christianson, K. (2017). Parafoveal integration of morphosyntactic information for Russian nouns during silent reading: evidence from eye movements. *Journal of Cognitive Psychology*. doi:10.1080/20445911.2017.1310109

*Dias, E., Martinez, A., Sillipo, G., **Stoops, A.**, Hockman, A., Homptman, M., Ravheim, N., Javitt, D. (2018). Neural bases of reading dysfunction in schizophrenia. *Biological Psychiatry*, 83(9), S43, doi:10.1016/j.biopsych.2018.02.122

#***Stoops, A.**, & Christianson, K. (2019). Parafoveal processing of inflectional morphology in Russian: a within-word boundary change paradigm. *Vision Research*, 158, 1, doi: 10.1016/j.visres.2019.01.012

#***Stoops, A.**, & Christianson, K. (2020). Syntactic expectations modulate parafoveal processing of morphology on the word n+ 1 and word n in silent reading: evidence from a gaze-contingent boundary change manipulation. *Journal of Vision*, 20(11), 120-120. doi:<https://doi.org/10.1167/jov.20.11.120>

*Luchkina, T., Ionin, T., Lysenko, N., **Stoops, A.**, & Suvorkina, N. (2021). Evaluating the Russian Language Proficiency of Bilingual and Second Language Learners of Russian. *Languages*, 6(2).

#***Stoops, A.**, Dempsey, J., & Christianson, K. (under review). Syntactic predictability modulates parafoveal processing of inflectional morphology: evidence from word n+ 1 in Russian. doi: 10.17605/OSF.IO/7A3Q4

4. Bulletins, Reports, or Conference Proceedings

+***Gusicova, A.** (1999). Incorporating acquisition of writing skills into the ESL curriculum, *Moldova University Annuale*, Chisinau, Moldova

+*Ionin, T., Luchkina, T., & **Stoops, A.** (2013). Quantifier scope and scrambling in the second language acquisition of Russian. *Proceedings to Generative Approaches to Language Acquisition-North America (GALANA)*, Kansas City, KS

+***Stoops, A.** & Ionin, T. (2013). Quantifier scope and scrambling in Russian: An experimental study. *Proceeding for the Formal Approaches to Slavic Linguistics*. Bloomington, IN

5. Refereed Conference Papers and Presentations

+**Gusicova, A.** (February, 1998). *ESL: Teaching writing skills to advanced level students*. Paper presented at the ESL Teachers' Conference, Chisinau, Moldova

***Stoops, A.** & Ionin, T. (May, 2012). *Quantifier scope and scrambling in Russian: An experimental study*. Paper presented at the Formal Approaches to Slavic Linguistics (FASL), Bloomington, IN

#***Stoops, A.** & Christianson, K. (September, 2012). *Morphological processing in reading Russian: Evidence from eye movements*. Poster presented at the annual conference of Architectures and Mechanisms for Language Processing (AMLaP), Riva Del Garda, Italy

*Ionin, T., Luchkina, T., & **Stoops, A.** (October, 2012). *Quantifier scope and scrambling in the second language acquisition of Russian*. Paper presented at the 5th Generative Approaches to Language Acquisition-North America (GALANA), Kansas City, KS

#***Stoops, A.** & Christianson, K. (October, 2012). *Morphological processing in reading Russian: Evidence from eye movements*. Paper presented at the 8th International Conference on the Mental Lexicon, Montreal, Canada

#*Christianson, K. & **Stoops, A.** (November, 2012). *Morphological processing in reading Russian: Evidence from eye movements*. Paper presented at the Psychonomics Society 53rd Annual Meeting, Minneapolis, MN

*Maltseva, N. & **Stoops, A.** (March, 2014). *Morphological acquisition of Russian by Heritage Language Learners*. Paper presented at the Annual Meeting of the Russian Ontolinguistic Society, St. Petersburg, Russia

*Chason, L., Loyet, D., Sorenson, A., & **Stoops, A.** (November, 2014). *Bridge over Troubled Paragraphs: Promoting Critical Thinking and Connecting Ideas*. Paper presented at the 13th Symposium on Second Language Writing, Arizona State University, Tempe, AZ

+*Corcoran, C., Martinez, A., Diaz, E., **Stoops, A.**, Sehatpour, P., & Javitt, D.C. (December, 2015). *Auditory mismatch negativity in schizophrenia: a neurodevelopmental perspective*. An invited poster presented at the American College of Neuropsychopharmacology (ACNP) Annual Meeting, Hollywood, FL

***Stoops, A.**, Garnsey, S., & Ionin, T. (November, 2016). *Delta (2-3 Hz) and theta (4-5 Hz) oscillations during sentence reading in Russian*. Poster presented at the 57th Annual Meeting of the Psychonomic Society, Boston, MA

***Stoops, A.**, Ionin, T., & Garnsey, S. (March, 2017). *An investigation of neural oscillations as a signature of word order effects in Russian*. Poster presented at the 30th Annual CUNY Conference on Human Sentence Processing, Cambridge, MA

***Stoops, A.**, Epstein, M., Dias, & Javitt, D. (April, 2017). *Absence of alpha modulation during sensory related oscillatory activity in schizophrenic patients*. An invited poster presented at the Translational and Molecular Imaging Institute (TMII) 7th Annual Symposium, New York, NY

*Dias, E., Martinez, A., Sillipo, G., **Stoops, A.**, Hockman, A., Homptman, M., Ravheim, N., Javitt, D. (May, 2018). *Neural bases of reading dysfunction in schizophrenia*. Paper

presented at the 73 Annual Meeting for the Society of Biological Psychiatry, New York, NY.

#*Stoops, A., Christianson, K., Ionin, T. (November, 2018). *Parafoveal processing in second language learners*. Poster to be presented at the Object Perception, Attention, and Memory (OPAM) workshop, New Orleans, LA.

#*Stoops, A., Christianson, K., Ionin, T. (November, 2018). *Parafoveal processing of inflectional morphology in Russian native speakers and Russian L2 learners /English L1*. Poster to be presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, LA.

***Maltseva, N., Stoops, A., & Christianson, K.** (September, 2019). *Saliency and frequency in the L1 acquisition of Russian nominal morphology: 30-59 months old children*. Poster presented at the annual conference of Architectures and Mechanisms for Language Processing (AMLaP), Moscow, Russia

***Maltseva, N., Stoops, A., & Christianson, K.** (September, 2019). *Saliency and frequency in the L1 acquisition of Russian nominal morphology: 30-59 months old children*. Poster presented at the annual Typical and Atypical Language Development Symposium (TALDS), Moscow, Russia

***Stoops, A., & Ionin, T., & Garnsey, S.** (October, 2019). *An investigation of neural oscillations as a signature of word order effects in Russian*. Poster presented at the International Brain and Syntax Think Tank workshop, Northwestern University, Evanston, IL

***Stoops, A., & Christianson, K.** (May, 2020). *Syntactic expectations modulate parafoveal processing of morphology on the word $n+1$ and word n in silent reading: evidence from a gaze-contingent boundary change manipulation*. Poster to be presented at the 2020 Visual Science Society (VSS) Annual Meeting. St. Pete Beach, FL

Stoops, A., & Montag, J.L. (July 2020). *Novel Corpus of Book Reading Sessions Recorded at Home*. Poster presented at the Cognitive Science Society Annual Virtual Meeting (CogSci 2020). Toronto, Canada

Stoops, A., Huang, J., Wu, M., & Montag, J. (March, 2021). Complex syntax and conversational turn-taking during toddler-adult picture book reading. Short talk given at the 34th Annual CUNY Conference on Human Sentence Processing. Philadelphia, PA

Stoops, A., Maltseva, N., & Christianson, K. (July, 2021). Saliency and frequency across animate and inanimate objects in the L1 acquisition of Russian nominal morphology: 30-59 month old children. A poster presented at the 15th Congress of the International Association for the Study of Child Language, Philadelphia, PA

Stoops, A., & Green, J. (October, 2021). [An investigation of the neuronal signature of word order effects in Russian](#). A Slide Slam talk to be presented at the 13th Annual Meeting of the Society for the Neurobiology of Language (SNL 2021 Virtual Edition).

F. Media Mentions

ELT Research Bites, a collaborative blog that summarizes practical research highlighted TBSIR approach of teaching critical thinking skills for the beginning writers on which I collaborate with Chason, L., Loyette, D., & Sorenson, L.

Anthony Schmidt (September, 2017). *Critical Thinking and Beginning Writing Skills*. <http://www.eltresearchbites.com/201709-critical-thinking-and-beginning-writing-skills/?draftsforfriends=thydbvvgwky2ninodcshqadtku1qzzsw>

Haskins Laboratories. (2017, February 6). Triple-threat talk, Anastasia Stoops PhD: From early cortical auditory/visual sensory processing to language comprehension: EEG, eye-tracking & fMRI. *Tweeter moment*. Retrieved from <https://twitter.com/haskinslabs/status/828720557956927488>

III. Resident Instruction

1. Summary of Instruction

Graduate Courses

EPSY 405: Adolescent Psychology

EPSY 402: Psychology of Adult Learning (on-line seminar)

Undergraduate Courses

EPSY 201: Educational Psychology

EPSY 200: Capstone Research Project – Psychology (hybrid online and in-class)

2. Courses taught at other institutions

Grand Canyon University Online (graduate courses)

PSY 855: Developing the Research Proposal

Intensive English Institute, University of Illinois at Urbana-Champaign

301: Beginning Writing

401: Intermediate Writing

501: Advanced Academic Writing

3. Other Contributions to Instructional Programs

In collaboration with Intensive English Institute staff developed new approach to teach ESL writing and promote critical thinking in college student population (Summer, 2013).

IV. Service (Public, Professional/Disciplinary, and University)

Public Engagement

Co-organizer of the Champaign-Urbana parent-run Friday Heritage Russian School for young children (2010-2013)

Co-founder and Treasurer of the University of Illinois at Urbana-Champaign student-run Russian Heritage Association (2010-2011)

Service to Disciplinary and Professional Societies or Associations

Memberships: Psychonomic Society, Society for the Neurobiology of Language, Society for Women in Cognitive Science, Vision Science Society, Cognitive Science Society

Ad Hoc Reviewer: Acta Psychologica; Behavior Research Methods; International Journal of Environmental Research and Public Health; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Neurolinguistics; Language Acquisition; Language, Cognition and Neuroscience; Vision Research

University of Illinois at Urbana-Champaign Undergraduate Research Symposium
Reviewer (Spring 2020)

V. Professional References

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