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POSITIONS

Assistant Professor, Department of Psychological Sciences University of Connecticut	Aug 2013 - Present
Research Scientist (Associate Professor of Research) Child Study Center, Yale University	Jun 2009 - Aug 2013
Director of EEG Research & Senior Scientist Haskins Laboratories	Jun 2009 - Present
Assistant Professor, Educational Psychology: Learning and Cognition University of Minnesota, Minneapolis Minnesota	Jan 2008 - Jun 2009
Postdoctoral Fellow Haskins Laboratories	Aug 2005 - Dec 2007

EDUCATION

Ph.D., Cognitive Psychology & Cognitive Neuroscience University of Pittsburgh & Center for the Neural Basis of Cognition (CNBC)	Aug 2005
M.S., Cognitive Psychology & Cognitive Neuroscience University of Pittsburgh Center for the Neural Basis of Cognition (CNBC)	May 2003
B.A., Psychology <i>Summa cum laude</i> University at Albany (SUNY)	Dec 1999

ACADEMIC AWARDS, HONORS, AND FELLOWSHIPS

President's Distinguished Faculty Mentor, University of Minnesota, 2009
NIH Clinical Research Loan Repayment Award, Competitive Renewal, 2007- 2010
NIH Clinical Research Loan Repayment Award, 2006
NIH National Research Service Award (NRSA- F32 Postdoctoral fellowship) *Declined due to job acceptance at the University of Minnesota, 2007
NIH National Research Service Award (NRSA- T32 Postdoctoral fellowship), 2005 - 2007
NSF Integrated Graduate Education Research and Training (IGERT) Fellowship, 2002 - 2004
NIH National Research Service Award (NRSA- T32 Predoctoral fellowship), 2002
Phi Beta Kappa, University at Albany, 1998

PROFESSIONAL SERVICE

JOURNAL REVIEW

1)) Psychological Science; 2) Psychonomic Bulletin & Review; 3) Cortex; 4) Journal of Cognitive Neuroscience; 5) Neuroscience Letters; 6) Journal of Experimental Psychology: Learning Memory & Cognition; 7) Child Development; 8) Cognitive Science; 9) Journal of Experimental Child Psychology; 10) Brain and Language; 11) Neuropharmacology; 12) Human Brain Mapping; 13) Journal of Autism & Developmental Disorders; 14) NeuroImage; 15) Scientific Studies of Reading; 16) American Journal on Intellectual and Developmental Disabilities; 17) Learning and Individual Differences; 18) Journal of Research in Reading; 19) Journal of Neurolinguistics; 20) Reading & Writing; 21) Journal of Fluency Disorders; 22) Journal of Child language; 23) Developmental Neuropsychology; 24) Cerebral Cortex; 25) Development and Psychopathology; 26) Developmental Science; 27) Behavior Genetics; 28) Biological Psychiatry; 29) European Journal of Human Genetics; 30) Research in Developmental Disabilities; 31) Applied Psycholinguistics 32) Journal of Educational Psychology; 33) Annals of Neurology; 34) Journal of Neurodevelopmental Disorders; 35) Current Opinion in Behavioral Sciences

Editorial Boards: Journal of Educational Psychology

GRANT REVIEW

National Institutes of Health (NIH), Child Psychopathology & Developmental Disabilities (CPDD) Panel, 2013-present (ad hoc)
 National Institutes of Health (NIH), Institute for Deafness and Communication Disorders (NIDCD), Fellowship Review, 2013- present (ad hoc)
 National Institutes of Health (NIH), Eunice Kennedy Shriver Institute for Child Health and Human Development (NICHD), Special Emphasis Panel, Clinical Trials in Communication Disorders, September, 2016
 National Institutes of Health (NIH), Eunice Kennedy Shriver Institute for Child Health and Human Development (NICHD), Special Emphasis Panel, PO1, September, 2015 & August, 2016
 Israel Science Foundation (ISF), Individual Research Grants, 2016
 European Research Council (ERC), Advanced Grants Panel: The Human Mind and Its Complexity, 2015
 National Institutes of Health (NIH), Communication Disorders Review Committee (CDRC), 2013
 National Institutes of Health (NIH), Sensorimotor Integration (SMI) Panel, 2013
 Medical Research Council, UK (MRC), 2014

PUBLICATIONS (SELECTED)

- Landi, N.** & Ryherd, K. (accepted). Understanding Specific Comprehension Impairment: A review. *Language and Linguistics Compass*.
- Jasińska, K., Kornilov, S., Molfese, P., Frost, S., Lee, M., Mencl, W. E., Pugh, K. R., Grigorenko, E., & **Landi, N.** (2016). The BDNF Val⁶⁶Met Polymorphism Influences Reading Ability and Patterns of Neural Activation in Children. *PLoS ONE*, *11*(8), e0157449.
- Breen, M., Kaswer, L., Van Dyke, J. A., & **Landi, N.** (2016). Imitated prosodic fluency predicts reading comprehension ability in good and poor high school readers. *Frontiers in Psychology*, *7*, 1026. doi:10.3389/fpsyg.2016.01026
- Preston, J. L., Molfese, P. J., Frost, S. J., Mencl, W. E., Fulbright, R. K., Hoeft, F., **Landi, N.**, Shankweiler, D., & Pugh, K.R. (2016). Print-speech convergence predicts future reading outcomes in early readers. *Psychological Science*, *27*(1), 75-84. doi:10.1177/0956797615611921
- Van Dyke, J. & **Landi, N.** (2016). The Development of Reading Comprehension Skill: Processing and Memory. In E. Bavin, & L. Naigles (Eds.), *The Cambridge Handbook of Child Language*, 2nd edition (pp. 740-761). Cambridge, UK: Cambridge University Press.
- Kornilov, S. A., Magnuson, J. S., Rakhlin, N., Landi, N., & Grigorenko, E. L. (2015). Lexical Processing Deficits in Children with Developmental Language Disorder: An Event-Related Potentials Study. *Development and Psychopathology*, *27*, 459-476. PMC4606961
- Diehl, J. J., Frost, S. J., Sherman, G., Mencl, W. E., Kurian, A., Molfese, P., **Landi, N.**, Preston, J., Soldan, A., Fulbright, R. K., Rueckl, J., Seidenberg, M. S., Hoeft, F., & Pugh, K. R. (2014). Neural correlates of language and non-language visuospatial processing in adolescents with reading disability. *NeuroImage*, *101*, 653-666. PMC4167780 doi:10.1016/j.neuroimage.2014.07.029
- Kornilov, S. A., **Landi, N.**, Rakhlin, N., Fang, S-Y., Grigorenko, E. L., & Magnuson, J. S. (2014). Attentional but not Pre-Attentive Neural Measures of Auditory Discrimination Are Atypical in Children with Developmental Language Disorder. *Developmental Neuropsychology*, *39*, 543-567. doi:10.1080/87565641.2014.960964
- Preston, J. L., Molfese, P. J., Gumkowski, N., Sorcinelli, A., Harwood, V., Irwin, J., & **Landi, N.** (2014). Neurophysiology of Speech Differences in Childhood Apraxia of Speech. *Developmental Neuropsychology*, *39*, 385-403. PMC4130155
- Pugh, K. R., Frost, S. J., Rothman, D. L., Mason, G. M., Del Tufo, S., Molfese, P. J., Mencl, W. E., Grigorenko, E., **Landi, N.**, Preston, J. L., Jacobsen, L., Hoeft, F., Seidenberg, M., & Fulbright, R. K., (2014). Glutamate and Choline Levels Predict Individual Differences in Reading Ability in Emergent Readers. *Journal of Neuroscience*, *34*, 4082-4089. PMC3951703
- Landi, N.** (2013). Learning to read words: Understanding the relationship between reading ability, lexical quality, and reading context. In M. A. Britt, S. R. Goldman, & J-F. Rouet (Eds.), *Reading: From Words to Multiple Texts* (pp. 17- 33). Routledge: Taylor & Francis Group.

- Pugh, K.R., **Landi, N.**, Preston, J. L., Mencl, W. E., Austin, A., Sibley, D., Fulbright, R. K., Seidenberg, M. S., Grigorenko, E., Constable, R. T., Molfese, P., & Frost, S. J. (2013). The relationship between phonological and auditory processing and brain organization in beginning readers. *Brain and Language*, *25*, 173-183. PMC3655431
- Landi, N.**, Frost, S. J., Mencl, W. E., Sandak, R., & Pugh, K. R. (2013). Neurobiological bases of reading comprehension: Insights from neuroimaging studies of word-level and text-level processing in skilled and impaired readers. *Reading and Writing Quarterly*, *29*, 145-167. PMC3646421
- Landi, N.**, Frost, S. J., Mencl, W. E., Preston, J. L., Jacobsen, L. K., Lee, M., Yrigollen, C., Pugh, K. R., & Grigorenko, E. L. (2013). The *COMT* Val/Met polymorphism is associated with reading-related skills and consistent patterns of functional neural activation. *Developmental Science*, *16*, 13-23. PMC3655431
- Landi, N.**, Crowley, M. J., Wu, J., Bailey, C., & Mayes, L. C. (2012). Deviant ERP response to spoken non-words among adolescents exposed to cocaine in utero. *Brain and Language*, *120*, 209-216. PMC3633521
- Palejev, D., Hwang, W., **Landi, N.**, Eastman, M., Frost, S., Fulbright, R., Kidd, J. R., Kidd, K. R., Mencl, W. E., Yrigollen, C., Pugh, K. R., & Grigorenko, E. (2011). An application of the elastic net for an endophenotype analysis. *Behavior Genetics*, *41*, 6-30. PMC3613288
- Skiba, T., **Landi, N.**, Wagner, R., & Grigorenko, E. (2011). In search for the perfect phenotype: An analysis of linkage and association studies of reading and reading-related processes. *Behavior Genetics*, *41*, 120-124. PMC3056345
- Preston, J. L., Frost, S., Mencl, W. E., Fulbright, R. K., **Landi, N.**, Grigorenko, E., Jacobsen, L., & Pugh, K. R. (2010). Early and late talkers: school-age language, literacy and neurolinguistic differences. *Brain*, *133*, 2185-2195. PMC3139938
- Landi, N.**, Mencl, W. E., Frost, S. J., Sandak, R., Chen, H., & Pugh, K. R. (2010). An fMRI study of multimodal semantic and phonological processing in reading disabled adolescents. *Annals of Dyslexia*, *60*, 102-121. PMC3148012
- Landi, N.** (2010). An examination of the relationship between reading comprehension, higher-level and lower-level reading sub-skills in adults. *Reading and Writing*, *23*, 701-717. PMC3117585
- Frost, S., **Landi, N.**, Mencl, W. E., Sandak, R., Fulbright, R. K., Jacobsen, L., Grigorenko, E., Constable, R. T., & Pugh, K. (2009). Phonological awareness predicts cortical activation patterns for print and speech. *Annals of Dyslexia*, *59*, 78-97. PMC2720826
- Pugh, K. R., Frost, S. J., Sandak, R., **Landi, N.**, Rueckl, J. G., Constable, R. T., Seidenberg, M., Fulbright, R., Katz, L., & Mencl, W. E. (2008). Effects of stimulus difficulty and repetition on printed word identification: an fMRI comparison of nonimpaired and reading-disabled adolescent cohorts. *Journal of Cognitive Neuroscience*, *20*, 1146-1160. PMC3152957
- Landi, N.** & Perfetti, C. A. (2007). An electrophysiological investigation of semantic and phonological processing in skilled and less skilled comprehenders. *Brain and Language*, *102*, 30-45.
- Landi, N.**, Perfetti, C. A., Bolger, D. J., Dunlap, S., & Foorman, B. R. (2006). The role of discourse context in developing word representations: A paradoxical relation between reading and learning. *Journal of Experimental Child Psychology*, *94*, 114-133.

INVITED TALKS (SELECTED, RECENT)

- Landi, N.** (2016, March). *Why is reading comprehension hard, when decoding is easy? How a multimodal approach can elucidate the underlying mechanisms of specific comprehension impairment.* Columbia University Seminar on Language & Cognition, Columbia University, New York, NY.
- Landi, N.** (2015, November). *Variation in BDNF and COMT is associated with neural structure and function in and children's language and reading Skills.* Communication Disorders Colloquium, Boston University, Boston, MA.
- Jasinska, K. & **Landi, N.** (2014, July). *Common but impactful genetic polymorphisms in COMT & BDNF are associated strongly with reading and related skills and associated patterns of neural activity.* Invited Symposium, Twenty-First Annual Meeting of the Society for the Scientific Study of Reading, Santa Fe, NM.
- Landi, N.** (2014, April). *Common but impactful genetic polymorphisms on COMT and BDNF impact reading skill, evidence from behavioral and brain data.* International Cross Language Symposium, New Haven, CT.
- Landi, N.** (2013, August). *Reading and language impairments, behavioral, neuroimaging and genetic perspectives.* International Dyslexia Association Annual Meeting, CT Branch, New Haven, CT.
- Landi, N.** (2013, May). *Reading and language impairments, behavioral, neuroimaging and genetic perspectives.* Psychology Colloquium, University of Massachusetts, Amherst, MA.

CONFERENCE PRESENTATIONS (SELECTED, RECENT)

- Ryherd, K., Hung, Y-H., Baron, E., Jasinska, K., Mencl, W. E., & **Landi, N.** (2016, April). *Individual differences in activation and functional connectivity across modality and processing level*. Poster presented at the Twenty-Third Annual Meeting of the Cognitive Neuroscience Society, New York, NY.
- Jasinska, K., Molfese, P., Kornilov, S., Mencl, E., Frost, S., Lee, M., Pugh, K., Grigorenko, E., & **Landi, N.** (2016, April). *The BDNF Val⁶⁶Met Polymorphism is Associated with Structure and Function in the Developing Brain with Implications for Children's Cognitive Abilities*. Poster presented at the Twenty-Third Annual Meeting of the Cognitive Neuroscience Society, New York, NY.
- Landi, N.**, Malins, J., Frost, S., Magnuson, J., Rueckl, J. G., Mencl, W. E. & Pugh, K. R (2015, October). *Neural Evidence for Cortical Consolidation After a Period of Offline Sleep*. Poster presented at the Seventh Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL.
- Kornilov, S., **Landi, N.**, Lee, M., Magnuson, J., & Grigorenko, E. (2015, October). *Cohesion of cortical language networks in the alpha EEG band during word processing is predicted by a common polymorphism in the SETBP1 gene*. Poster presented at the Seventh Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL. * **Awarded the SNL Postdoctoral Merit Award for outstanding abstract.**
- Ryherd, K., Baron, E., Jasinska, K., Mencl, W. E., & **Landi, N.** (2015, October). *Reading comprehension ability and semantic activation to single Words and discourse: an fMRI -partial least squares analysis*. Poster presented at the Seventh Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL.
- Landi, N.** (2015, July). *Differential functional activation in speech/language areas associated with auditory lexical learning as a function of sleep consolidation*. Paper presented at the Twenty-Second Annual Meeting of the Society for the Scientific Study of Reading (SSSR), Big Island, HI
- Landi, N.**, Kornilov, S., Molfese, P., Jasinska, K., Lee, M., Mencl, W. E., Hoeft, F., Pugh, K. R., & Grigorenko, E. (2014, April). *Common but Impactful Genetic Polymorphisms, in COMT & BDNF are Associated with Reading and Related Skills and Associated Patterns of Neural Activation*. Poster presented at the Twenty-First Annual Meeting of the Cognitive Neuroscience Society, Boston, MA.

POPULAR MEDIA

- Landi, N.**, & Skiba, T. (2011, January). Dan Malloy, Dyslexia & Neuroscience [Radio series episode]. In McEnroe, C., *The Colin McEnroe Show* Hartford, CT: National Public Radio (NPR). <http://www.yourpublicmedia.org/node/9381>
- Landi, N.** (2011, March). Neurobiological bases of reading disability. Connecticut Film Festival. Panel Discussion, Danbury CT.

FEDERAL FUNDING (SELECTED)

- NIH R01 HD086168: *Neurochemistry as a moderator of brain networks for language and literacy learning*
Role: Co-Investigator, PI: Fumiko Hoeft
June 2016 – May 2021
- R15 DC013864: Neurobiological signatures of perception and imitation of AV speech in children in ASD
Role: Co-Investigator & Haskins Principal Investigator, PI: Julia Irwin
June 2014- May 2017
- P01 HD070837-01: Neurocognitive bases of treatment resistance in developmental dyslexia
Role: Co- Investigator, PI: Robin D. Morris
August 2013 – July 2018
- P01 HD001994-46: Nature and acquisition of the speech code and reading
Role: Principal Investigator for Project 4: Examinations of skilled and impaired spoken and written comprehension
August 2012 – July 2017
- R21 DA030665: Neurobiology of language function in adolescents exposed to cocaine in utero
Role: Principal Investigator
November 2011 – September 2014
- R03 HD053409: Neurocognitive development in RD children with/without general cognitive deficits
Role: Principal Investigator
October 2008 – September 2010