

Daniel Kleinman

Child Study Center
Yale School of Medicine
Yale University
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POSITIONS

Apr. 2023 –	Associate Research Scientist Child Study Center Yale School of Medicine, Yale University, New Haven, CT
Sep. 2020 – Mar. 2023	Research Scientist Haskins Laboratories, New Haven, CT
Oct. 2018 – Sep. 2020	Postdoctoral Fellow Haskins Laboratories, New Haven, CT PI: Nicole Landi
Aug. 2015 – Aug. 2018	Beckman Institute Postdoctoral Fellow University of Illinois at Urbana-Champaign
Jan. 2014 – Aug. 2015	Postdoctoral Researcher UC San Diego Psychology Department PIs: Victor Ferreira (Psychology) & Tamar Gollan (Psychiatry)

EDUCATION

Dec. 2013	Ph.D. in Psychology & Cognitive Science University of California, San Diego
May 2006	B.A. in Linguistics & Cognitive Science, <i>cum laude</i> Pomona College

PUBLICATIONS

Journal Articles

- 2024 Neveu, A., Goldrick, M., **Kleinman, D.**, Salmon, D. P., & Gollan, T. H. (2024). Revisiting which language declines more in Spanish-English bilinguals with Alzheimer's disease: Longitudinal decline patterns on the Multilingual Naming Test. *Neuropsychologia*, 202:108948. <https://doi.org/10.1016/j.neuropsychologia.2024.108948>
- Baron, A., Connell, K., **Kleinman, D.**, Bedore, L. M., & Griffin, Z. M. (2024). Grammatical gender in spoken word recognition in school-age Spanish monolingual and Spanish-English bilingual children. *Frontiers in Psychology*, 15:1295379. <https://doi.org/10.3389/fpsyg.2024.1295379>
- 2023 Harwood, V., Baron, A., **Kleinman, D.**, Campanelli, L., Irwin, J., & Landi, N. (2023). Event-related potentials in assessing visual speech cues in the broader autism phenotype: Evidence from a phonemic restoration paradigm. *Brain Sciences*, 13, 1011. <https://doi.org/10.3390/brainsci13071011>
- Baron, A., Harwood, V., **Kleinman, D.**, Campanelli, L., Molski, J., Landi, N., & Irwin, J. (2023). Where on the face do we look during phonemic restoration? An eyetracking study. *Frontiers in Psychology*, 14:1005186. <https://doi.org/10.3389/fpsyg.2023.1005186>
- Irwin, J., Harwood, V., **Kleinman, D.**, Baron, A., Avery, T., Brown, J., & Landi, N. (2023). Neural and behavioral differences in speech perception for children with Autism Spectrum Disorders (ASD) within an audiovisual context. *Journal of Speech, Language, and Hearing Research*, 66, 2390-2403. https://doi.org/10.1044/2023_JSLHR-22-00661
- 2022 Ivanova, I., Seanez, A., Cochran, M., & **Kleinman, D.** (2022). The temporal dynamics of bilingual language control. *Psychonomic Bulletin & Review*, 30, 774-791. <https://doi.org/10.3758/s13423-022-02168-z> [data, code]
- Harwood, V., **Kleinman, D.**, Puggioni, G., & Baron, A. (2022). The P300 event related potential predicts phonological working memory skills in school-aged children. *Frontiers in Psychology*, 13: 918046. <https://doi.org/10.3389/fpsyg.2022.918046>
- Kleinman, D.**, Morgan, A. M., Ostrand, R., & Wittenberg, E. (2022). Lasting effects of the COVID-19 pandemic on language processing. *PLOS ONE*, 17(6): e0269242. <https://doi.org/10.1371/journal.pone.0269242> [pre-registrations, materials, data, code] [press: [Quartz](#); [IBM](#)]
- Hu, J., Small, H., Kean, H., Takahashi, A., Zekelman, L., **Kleinman, D.**, Ryan, E., Nieto-Castañón, A., Ferreira, V. S., & Fedorenko, E. (2022). Precision fMRI reveals that the language-selective network supports both phrase-structure building and lexical access during language production. *Cerebral Cortex*, bhac350. <https://doi.org/10.1093/cercor/bhac350> [materials, data, code]

- Landi, N., **Kleinman, D.**, Agrawal, V., Ashton, G., Coyne-Green, A., Roberts, P., Blair, N., Russell, J., Stutzman, A., Scorrano, D., Frazier, N., Pugh, K. R., & Hoeft, F. (2022). Researcher-practitioner partnerships and in-school laboratories facilitate translational research in reading. *Journal of Research in Reading*, 45, 367-384. <https://doi.org/10.1111/1467-9817.12392>
- Harwood, V., Preston, J., Baron, A., **Kleinman, D.**, & Landi, N. (2022). Event-related potentials to speech relate to speech sound production and language in young children. *Developmental Neuropsychology*, 47, 105-123. <https://doi.org/10.1080/87565641.2022.2036154>
- Koirala, N., **Kleinman, D.**, Perdue, M., Su, X., Villa, M., Grigorenko, E., & Landi, N. (2022). Widespread effects of dMRI data quality on diffusion measures in children. *Human Brain Mapping*, 43, 1326-1341. <https://doi.org/10.1002/hbm.25724> [code]
- Irwin, J., Avery, T., **Kleinman, D.**, & Landi, N. (2022). Audiovisual speech perception in children with autism spectrum disorders: Evidence from visual phonemic restoration. *Journal of Autism and Developmental Disorders*, 52, 28-37. <https://doi.org/10.1007/s10803-021-04916-x> [stimuli]
- 2021 Stasenko, A., **Kleinman, D.**, & Gollan, T. H. (2021). Older bilinguals reverse language dominance less than younger bilinguals: Evidence for the Inhibitory Deficit Hypothesis. *Psychology and Aging*, 36, 806-821. <https://doi.org/10.1037/pag0000618> [data, code]
- Mascelloni, M., McMahon, K. L., Piai, V., **Kleinman, D.**, & de Zubicaray, G. (2021). Mediated phonological-semantic priming in spoken word production: Evidence for cascaded processing from picture-word interference. *Quarterly Journal of Experimental Psychology*, 74, 1284-1294. <https://doi.org/10.1177/17470218211010591> [materials, data, code]
- 2020 Declerck, M.*, **Kleinman, D.***, & Gollan, T. H. (2020). Which bilinguals reverse language dominance and why? *Cognition*, 204, 104384. [*Co-first authors] <https://doi.org/10.1016/j.cognition.2020.104384> [data]
- Ivanova, I., Horton, W. S., Swets, B., **Kleinman, D.**, & Ferreira, V. S. (2020). Structural alignment in dialogue and monologue (and what attention may have to do with it). *Journal of Memory and Language*, 110, 104052. <https://doi.org/10.1016/j.jml.2019.104052> [data]
- 2019 Ivanova, I., & **Kleinman, D.** (2019). Multilink for bilingual language production. [Commentary.] *Bilingualism: Language and Cognition*, 22, 687-688. <https://doi.org/10.1017/S1366728918000718>
- 2018 **Kleinman, D.**, & Gollan, T. H. (2018). Inhibition accumulates over time at multiple processing levels in bilingual language control. *Cognition*, 173, 115-132. <https://doi.org/10.1016/j.cognition.2018.01.009> [data]
- 2016 **Kleinman, D.**, & Gollan, T. H. (2016). Speaking two languages for the price of one: Bypassing language control mechanisms via accessibility-driven switches. *Psychological Science*, 27, 700-714. <https://doi.org/10.1177/0956797616634633> [data]

- Maxfield, N. D., Olsen, W., **Kleinman, D.**, Frisch, S., Ferreira, V. S., & Lister, J. (2016). Attention demands of language production in adults who stutter. *Clinical Neurophysiology*, 127, 1942-1960. <https://doi.org/10.1016/j.clinph.2016.01.016>
- 2015 **Kleinman, D.**, Runnqvist, E., & Ferreira, V. S. (2015). Single-word predictions of upcoming language during comprehension: Evidence from the cumulative semantic interference task. *Cognitive Psychology*, 79, 68-101. <https://doi.org/10.1016/j.cogpsych.2015.04.001>
- 2014 Gollan, T. H., **Kleinman, D.**, & Wierenga, C. E. (2014). What's easier: Doing what you want, or being told what to do? Cued versus voluntary language and task switching. *Journal of Experimental Psychology: General*, 143, 2167-2195. <https://doi.org/10.1037/a0038006>
- 2013 **Kleinman, D.** (2013). Resolving semantic interference during word production requires central attention. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 39, 1860-1877. <https://doi.org/10.1037/a0033095>
- 2012 Ferreira, V. S., **Kleinman, D.**, Kraljic, T., & Siu, Y. (2012). Do priming effects in dialogue reflect partner- or task-based expectations? *Psychonomic Bulletin & Review*, 19, 309-316. <https://doi.org/10.3758/s13423-011-0191-9>

Other Publications

- 2019 Landi, N., Ashton, G., Coyne-Green, A., **Kleinman, D.**, Sarles-Whittlesey, H., Roberts, P., Blair, N., Pugh, K., & Hoeft, F. (2019). What's the promise of in-school neuroscience? *IDA Examiner*, 8(3). <https://dyslexiaida.org/the-promise-of-in-school-neuroscience/>

EXTERNAL FUNDING

Predicting Learning Outcomes at Windward

Sponsor: The Windward School

Role: Principal Investigator [since 4/1/2023]

PI: Daniel Kleinman

Dates: 11/1/2018 - 6/30/2025

Aims: To identify behavioral and neurobiological (EEG) predictors of response to reading intervention in students with dyslexia who attend Windward

Predicting Learning Outcomes in Schools

Sponsor: Academy in Manayunk

Role: Principal Investigator [since 4/1/2023]

PI: Daniel Kleinman

Dates: 4/1/2018 - 6/30/2025

Aims: To identify behavioral and neurobiological (EEG) predictors of response to reading intervention in students with dyslexia who attend AIM

Effectiveness and Predictors of Response for a Technology-Based Reading Intervention in the Home

Sponsor: NIH R01HD101842

Role: Co-Investigator / Yale subaward PI

PIs: Nicole Landi & Michael Milham

Dates: 9/1/2020 - 8/31/2025

Aims: To evaluate the effectiveness of a home-delivered, technology-based (Edtech) reading intervention in a large and diverse sample of children, and identify factors that facilitate (or hinder) positive Edtech intervention outcomes

FELLOWSHIPS AND AWARDS

2023 Psychonomic Society Fellow

2017 ERP Boot Camp Scholarship, UC Davis

2015 Psychonomic Society Select-Speaker Award

Postdoctoral Fellow, Beckman Institute, UIUC [3 years]

2010 Predoctoral Fellow, Center for Research in Language, UC San Diego [1 year]

CONFERENCE ACTIVITY

* Denotes current or recent undergraduate student coauthor.

Talks

2024 **Kleinman, D.**, Lee, B., Macias Zuniga, M. J.*, Branum-Martin, L., & Landi, N. (November 2024). *Nonlinear growth in word reading ability among dyslexic children*. Talk. Psychonomic Society Meeting, New York, NY.

Kleinman, D., Gomez, D., Pochna, A., DeVault, E., Lee, B., Mahaffy, K., Macias Zuniga, M. J.*, Roberts, P., Blair, N., Russell, J., Williamson, J., Pugh, K., Hoeft, F., & Landi, N. (July 2024). *Research-practitioner partnerships facilitate translational research on reading disability*. Talk. Annual Meeting of the International Mind, Brain and Education Society, Leuven, Belgium.

2023 Mahaffy, K., Koirala, N., **Kleinman, D.**, & Landi, N. (July 2023). *Structural neural correlates of poor comprehenders, poor decoders, and typical readers*. Talk. 29th International Meeting of the Society for the Scientific Study of Reading, Port Douglas, North Queensland, Australia.

2022 Baron, A., Harwood, V., **Kleinman, D.**, Molski, J.*, Landi, N., & Irwin, J. (October 2022). *Where on the face do we look during phonemic restoration?* Talk. The Attentive Listener in the Visual World (AttLis), Storrs, CT.

- Kleinman, D.**, Landi, N., Parrilla, N.*, Pugh, K., & Hoeft, F. (July 2022). *Researcher-practitioner partnerships and in-school laboratories facilitate translational research in reading*. Talk. 28th International Meeting of the Society for the Scientific Study of Reading, Newport Beach, CA.
- 2019 Irwin, J., Avery, T., **Kleinman, D.**, & Landi, N. (September 2019). *Audiovisual speech perception in children with autism spectrum disorders*. Talk. 23rd International Congress on Acoustics, Aachen, Germany.
- 2018 **Kleinman, D.**, & Federmeier, K. D. (September 2018). *ERPs do not show that lexical access during word production begins within 200 ms*. Talk. Architectures and Mechanisms of Language Processing Conference, Berlin, Germany.
- 2017 Ferreira, V. S., & **Kleinman, D.** (March 2017). *Dividing attention promotes behavioral diversity*. Talk. Attentive Listener in the Visual World Conference, Goa, India.
- 2015 **Kleinman, D.**, Gollan, T. H., & Ferreira, V. S. (November 2015). *Divided attention makes non-dominant responses more common*. Talk. Psychonomic Society Meeting, Chicago, IL. [Select-Speaker Award presentation]
- Kleinman, D.**, & Gollan, T. H. (November 2015). *Look, mamá, no switch costs: Lexical accessibility drives cost-free language switches*. Talk. Psychonomic Society Meeting, Chicago, IL.
- 2011 **Kleinman, D.** (September 2011). *Resolving semantic picture-word interference requires attention*. Talk. Architectures and Mechanisms of Language Processing Conference, Paris, France.

Posters

- 2024 Villa, M., Schifano, E., Branum-Martin, L., Sirois, K., Roberts, M., Abdullah, N., **Kleinman, D.**, Milham, M., & Landi, N. (July 2024). *Factors influencing game play in an ed tech reading intervention*. Poster. 31st International Meeting of the Society for the Scientific Study of Reading, Copenhagen, Denmark.
- Carvalho, B.*, Rockhill, I.*, Macias Zuniga, M.*, Mahaffy, K., Lasnick, O., **Kleinman, D.**, & Landi, N. (April 2024). *Decoding dyslexia: Unraveling our family tree*. Poster. 14th annual Language Fest, Storrs, CT.
- O'Connor, E.*, Smith, B.*, Galarneau, G.*, Mahaffy, K., Stalega, M., Lee, B., **Kleinman, D.**, Rueckl, J., Kearns, D., & Landi, N. (April 2024). *Instruction manipulation of a set for variability task*. Poster. 13th annual Language Fest, Storrs, CT.
- 2023 **Kleinman, D.**, Campanelli, L., Lee, B., Van Dyke, J., Brodbeck, C., & Landi, N. (October 2023). *Greater reliance on sentence context during naturalistic listening predicts larger reading gains over two years*. Poster. Society for the Neurobiology of Language Meeting, Marseille, France.

- Lee, B., **Kleinman, D.**, Davinson, K., Cuevas, K., & Landi, N. (June 2023). *Resting state EEG related to phonological awareness in children with reading disability*. Poster. International Workshop on Reading and Developmental Dyslexia, Donostia-San Sebastian, Spain.
- Petrusic, A.*, Chimbili, M.*, Mahaffy, K., **Kleinman, D.**, & Landi, N. (Apr. 2023). *Relationship between total anxiety scores and reading comprehension in students aged 7-13*. Poster. 13th annual Language Fest, Storrs, CT.
- 2022 **Kleinman, D.**, Morgan, A. M., Ostrand, R., & Wittenberg, E. (Mar. 2022). *Lasting effects of the COVID-19 pandemic on language processing*. Poster. Conference on Human Sentence Processing, Santa Cruz, CA.
- Parrilla, N.*, Rathe, T.*, Lynch, C.*, Mahaffy, K., **Kleinman, D.**, Agrawal, V., & Landi, N. (Apr. 2022). *"Do you want to see my dog?": Assessing stability of set for variability decoding test scores during in-person and online testing*. Poster. 12th annual Language Fest, Storrs, CT.
- 2020 **Kleinman, D.**, Campanelli, L., Agrawal, V., Van Dyke, J., & Landi, N. (Oct. 2020). *Better readers show larger N400 effects during naturalistic listening*. Poster. Society for the Neurobiology of Language Meeting, Philadelphia, PA.
- Harwood, V., Preston, J., Baron, A., **Kleinman, D.**, & Landi, N. (Oct. 2020). *Electrophysiological indicators of phonemic discrimination relate to receptive and expressive language skills in young children*. Poster. Society for the Neurobiology of Language Meeting, Philadelphia, PA.
- Hu, J., Small, H., Kean, H., Takahashi, A., Zekelman, L., **Kleinman, D.**, Ryan, E., Ferreira, V., & Fedorenko, E. (Oct. 2020). *Distributed and overlapping neural mechanisms for lexical access and syntactic encoding during language production*. Poster. Society for the Neurobiology of Language Meeting, Philadelphia, PA.
- Kleinman, D.**, Ostrand, R., Morgan, A., Gurumukhani, M.*, & Wittenberg, E. (Sept. 2020). *Non-linguistic context affects processing of ambiguous speech*. Poster. Architectures and Mechanisms of Language Processing Conference, Potsdam, Germany.
- 2019 **Kleinman, D.**, & Gollan, T. H. (Nov. 2019). *Local and global control operate on switch and non-switch trials: PERRO Inhibits DOG and ENGLISH*. Poster. Psychonomic Society Meeting, Montreal, Canada.
- Kleinman, D.**, & Landi, N. (June 2019). *Word knowledge in students with language-based learning difficulties: An ERP study*. Poster. New England Research on Dyslexia Society Meeting, Boston, MA.
- 2018 **Kleinman, D.**, & Gollan, T. H. (Nov. 2018). *Inhibition accumulates over time at multiple processing levels in bilingual language control*. Poster. Psychonomic Society Meeting, New Orleans, LA.
- 2017 **Kleinman, D.**, & Federmeier, K. D. (Nov. 2017). *Contextual expectations manifest at different times in language production and comprehension*. Poster. Psychonomic Society Meeting, Vancouver, Canada.

- Kleinman, D.,** & Federmeier, K. D. (Nov. 2017). *Semantic context reverses the polarity of P200 effects during word planning*. Poster. Society for the Neurobiology of Language Meeting, Baltimore, MD.
- Kleinman, D.,** & Gollan, T. H. (Sep. 2017). *Language-wide inhibition accumulates over time*. Poster. Architectures and Mechanisms of Language Processing Conference, Lancaster, UK.
- 2016 **Kleinman, D.,** Ostrand, R., Ferreira, V. S., & Bergen, B. (Sep. 2016). *Drivers – but not passengers – prioritize driving over speech*. Poster. Architectures and Mechanisms of Language Processing Conference, Bilbao, Spain.
- Kleinman, D.,** & Gollan, T. H. (July 2016). *Cost-free language switching in bilinguals: Global or lexical control?* Poster. International Workshop on Language Production, San Diego, CA.
- Ahn, D., **Kleinman, D.,** & Ferreira, V. S. (July 2016). *Learning verb structures: Do speakers only learn what they see?* Poster. International Workshop on Language Production, San Diego, CA.
- 2015 **Kleinman, D.,** Ferreira, V. S., Balewski, Z., & Fedorenko, E. (Oct. 2015). *Semantic competition during word production is supported by the domain-general multiple-demand system*. Poster. Society for the Neurobiology of Language Meeting, Chicago, IL.
- 2014 **Kleinman, D.,** Gollan, T. H., & Ferreira, V. S. (Nov. 2014). *Advance word planning increases non-dominant language availability*. Poster. Psychonomic Society Meeting, Long Beach, CA.
- Kleinman, D.,** Runnqvist, E., & Ferreira, V. S. (Sep. 2014). *Comprehenders only pre-activate the best sentence completion*. Poster. Architectures and Mechanisms of Language Processing Conference, Edinburgh, Scotland.
- Kleinman, D.,** & Gollan, T. H. (Sep. 2014). *Language-wide inhibition? Maybe not: Unbalanced bilinguals exhibit balanced switch costs for high-frequency targets*. Poster. Architectures and Mechanisms of Language Processing Conference, Edinburgh, Scotland.
- 2013 **Kleinman, D.,** & Ferreira, V. S. (Nov. 2013). *Duck, duck, ... mallard: Advance word planning facilitates production of dispreferred alternatives*. Poster. Psychonomic Society Meeting, Toronto, Canada.
- 2012 **Kleinman, D.,** Runnqvist, E., Costa, A., & Ferreira, V. S. (March 2012). *Cumulative semantic interference persists even in highly constraining sentences*. Poster. CUNY Conference, New York, NY.
- 2010 **Kleinman, D.,** Siu, Y., Kraljic, T., & Ferreira, V. S. (Sep. 2010). *Rapid effects of linguistic alignment on communication*. Poster. International Workshop on Language Production, Edinburgh, Scotland.
- 2009 **Kleinman, D.,** & Ferreira, V. S. (Nov. 2009). *Verb production hinders concurrent speech planning more than noun production*. Poster. Psychonomic Society Meeting, Boston, MA.
- 2005 **Kleinman, D.,** & Burke, D. M. (Nov. 2005). *Do phonological processes contribute to aging effects on verbal STM?* Poster. Psychonomic Society Meeting, Toronto, Canada.

INVITED TALKS

Research Talks

- 2022 Stanford University, EEG Seminar, August 12
UC Irvine, Center for Hearing Research, July 13
- 2019 Haskins Laboratories, Summer Institute, July 24
- 2018 Tufts University, NeuroCognition Lab, June 11
Howard University, Psychology Department, June 4
University of South Florida, Psychology Department, Jan. 16
- 2017 IBM Research, Machine Learning Brownbag, May 16
Washington University in St. Louis, Behavior, Brain, Cognition Brownbag, Feb. 22
- 2014 University of Rochester, Human Language Processing Lab, Sep. 18

Tutorials

- 2018 MIT, Language Lab, Oct. 3 – Language production
UC San Diego, Language Production Lab, May 23 – Linear mixed-effects modeling
UIUC, EEG Reading Group, Feb. 26 & Mar. 5 – Linear mixed-effects modeling
- 2017 UIUC, EEG Reading Group, Dec. 27 – Topographic EEG analyses

TEACHING EXPERIENCE (UC San Diego)

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| Spring 2014 | Research Methods II (Sole instructor of record)
% students recommending: Professor: 100% Course: 93% |
| Winter 2014 | Research Methods I (Sole instructor of record)
% students recommending: Professor: 96% Course: 88% |
| Summer 2012 | Psychology of Language (Sole instructor of record)
% students recommending: Professor: 100% Course: 80% |
| 2007 – 2011 | Introduction to Statistics (TA; Fall 2007, Fall 2008, Fall 2009, Fall 2011) |
| Fall 2006 | Brain Damage and Mental Disorders (TA) |

PROFESSIONAL SERVICE

Ad hoc reviewer: Journals: *Acta Psychologica*; *Bilingualism: Language and Cognition*; *Cognition*; *Frontiers in Language Science*; *Journal of Cognitive Psychology*; *Journal of Experimental Psychology: Learning, Memory, and Cognition*; *Journal of Memory and Language*; *Language, Cognition, and Neuroscience*; *Memory*; *Memory & Cognition*; *Neurobiology of Language*; *NeuroImage*; *New Directions for Child and Adolescent Development*; *PLOS One*; *Psychological Science*; *Scientific Studies of Reading*.

Conferences: *Architectures and Mechanisms of Language Processing*; *CogSci*; *CUNY Conference on Human Sentence Processing*; *Psychonomics (travel awards)*.

Book chapters: *The Handbook of the Neuroscience of Multilingualism*.