

Curriculum Vitae

Idan Asher Blank

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Los Angeles, CA 90095

Education and Employment

Assistant Professor, Department of Psychology	July 2019
Assistant Professor, Department of Linguistics	July 2020
Member, Brain Research Institute	Nov 2020
Member, Inter-departmental PhD Program in Neuroscience University of California, Los Angeles (UCLA), CA	Jan 2021
Post-doctoral associate, McGovern Institute for Brain Research Massachusetts Institute of Technology (MIT), Cambridge, MA	2016-2019
PhD, Cognitive Science MIT, Cambridge, MA	2011-2016
MA, Psychology, <i>Summa Cum Laude</i> Tel Aviv University (TAU), Tel-Aviv, Israel	2007-2011
Lautman Interdisciplinary Program for Outstanding Students TAU, Tel-Aviv, Israel	2005-2009

Publications

A * denotes co-authorship; in such cases, my general policy is to place my junior colleagues before myself

- [1] Hauptman, M., **Blank, I.A.***, & Fedorenko, E.* (*in press*) Non-literal language processing is jointly supported by the language and Theory of Mind networks: Evidence from a novel meta-analytic fMRI approach. *Cerebral Cortex*. <https://www.biorxiv.org/content/10.1101/2022.03.08.481056v1>
- [2] Shain, C., **Blank, I.A.**, Fedorenko, E., Gibson, E., & Schuler, W. (2022). Robust effects of working memory demand during naturalistic language comprehension in language-selective cortex. *Journal of Neuroscience*, 42(39), 7412-7430.
- [3] Lipkin, B., Tuckute, G., Affourtit, J., Small, H., Mineroff, Z., Kean, H.*, Jouravlev, O.*, Rakocevic, L.*, Pritchett, B.*, Siegelman, M.*, Hoeflin, C.*, Pongos, A.*, **Blank, I.A.***, Kline Struhl, M.*, Ivanova, A.*, Shannon, S., Sathe, A., Hoffmann, M., Nieto- Castañón, A., & Fedorenko, E. (*in press*) LanA (Language Atlas): A probabilistic atlas for the language network based on fMRI data from >800 individuals. *Scientific Data*. <https://www.biorxiv.org/content/10.1101/2022.03.06.483177v1>
- [4] Paunov, A., **Blank, I.A.**, Jouravlev, O., Mineroff, Z., Gallée, J., & Fedorenko, E. (2022) Differential tracking of linguistic vs. mental state content in naturalistic stimuli by language and Theory of Mind (ToM) brain networks. *Neurobiology of Language*, 3, 413-440. DOI: 10.1162/nol_a_00071
- [5] Grand, G.*, **Blank, I.A.***, Pereira, F., & Fedorenko, E. (2022). Semantic projection recovers rich human knowledge of multiple object features from word embeddings. *Nature Human Behaviour*. DOI: 10.1038/s41562-022-01316-8
- [6] Tuckute, G., Paunov, A., Kean, H., Small, H., Mineroff, Z., **Blank, I.A.**, & Fedorenko, E. (2022). Frontal language areas do not emerge in the absence of temporal language areas: A case study of an individual born without a left temporal lobe. *Neuropsychologia*, 169, 108184.

- [7] Schrimpf, M., **Blank, I.A.***, Tuckute, G.*, Kauf, C.*, Hosseini, E., Kanwisher, N., Tenenbaum, J., & Fedorenko, E. (2021). The neural architecture of language: Integrative modeling converges on predictive processing. *Proceedings of the National Academy of Sciences*, 118(45), DOI: 10.1073/pnas.2105646118
- [8] Wehbe, L., **Blank, I.A.**, Shain, C., Futrell, R., Levy, R., von der Malsburg, T., Smith, N., Gibson, E., & Fedorenko, E. (2021). Incremental language comprehension difficulty predicts activity in the language network but not the multiple demand network. *Cerebral Cortex*, 31(9), 4006-4023. DOI: 10.1093/cercor/bhab065
- [9] Jouravlev, O., Mineroff, Z., **Blank, I.A.**, & Fedorenko, E. (2021). The small and efficient language network of polyglots and hyper-polyglots. *Cerebral Cortex*, 31(1), 62-76. DOI: 10.1093/cercor/bhaa205
- [10] **Blank, I.A.**, & Fedorenko, E. (2020) No evidence for functional distinctions across fronto-temporal language regions in their temporal receptive windows. *NeuroImage*, 219, 116925. DOI: j.neuroimage.2020.116925
- [11] Fedorenko, E., & **Blank, I.A.** (2020). Broca's area is not a natural kind. *Trends in Cognitive Sciences*, 24(4), 270-284. DOI: 10.1016/j.tics.2020.01.001
- [12] Shain, C.*, **Blank, I.A.***, van Schijndel, M., Schuler, W., & Fedorenko, E. (2020). fMRI reveals language-specific predictive coding during naturalistic sentence comprehension. *Neuropsychologia*, 138, 107307. DOI: 10.1016/j.neuropsychologia.2019.107307
- [13] Futrell, R., Gibson, E., Tily, H., **Blank, I.A.**, Vishnevetsky, A., Piantadosi, S., & Fedorenko, E. (2020). The Natural Stories Corpus: A reading-time corpus of English texts containing rare syntactic constructions. *Language Resources & Evaluation*, 55, 63-77.
- [14] Diachek, E.*, **Blank, I.A.***, Siegelman, M.*, & Fedorenko, E. (2020). The domain-general multiple demand (MD) network does not support core aspects of language comprehension: a large-scale fMRI investigation. *Journal of Neuroscience*, 40(23), 4536-4550. DOI: 10.1523/JNEUROSCI.2036-19.2020
- [15] Assem, M., **Blank, I.A.**, Mineroff, Z., Ademoglu, A., & Fedorenko, E. (2020). Neural Activity in the Fronto-Parietal Multiple Demand Network Robustly Predicts Individual Differences In Working Memory And Fluid Intelligence. *Cortex*, 131, 1-16. DOI: 10.1016/j.cortex.2020.06.013
- [16] Fedorenko, E., **Blank I.A.**, Mineroff, Z., & Siegelman, M. (2020). Lack of selectivity for syntactic processing relative to the processing of word meanings within the language network. *Cognition*, 203, 104348. DOI: 10.1016/j.cognition.2020.104348
- [17] Siegelman, M., Mineroff, Z., **Blank, I.A.**, & Fedorenko, E. (2019). An attempt to conceptually replicate a dissociation between syntax and semantics during sentence comprehension. *Neuroscience*, 413, 219-229. DOI: 10.1016/j.neuroscience.2019.06.003
- [18] Paunov, A., **Blank, I.A.**, & Fedorenko, E. (2019). Functionally distinct language and Theory of Mind networks are synchronized at rest and during language comprehension. *Journal of Neurophysiology*, 121(4), 1244-1265. DOI: 10.1152/jn.00619.2018
- [19] Mineroff, Z.*, **Blank, I.A.***, Mahowald, K., & Fedorenko, E. (2018) A robust dissociation among the language, multiple demand, and default mode networks: evidence from inter-region correlations in effect size. *Neuropsychologia*, 119, 501-511. DOI: 10.1016/j.neuropsychologia.2018.09.011
- [20] Bernstein, M., Erez, Y., **Blank, I.A.**, & Yovel, G. (2018) An Integrated Neural Framework for Dynamic and Static Face Processing. *Scientific Reports*, 8(1), 7036. DOI: 10.1038/s41598-018-25405-9
- [21] **Blank, I.A.**, Kiran, S., & Fedorenko, E. (2017). Can neuroimaging help aphasia researchers? Addressing generalizability, variability, and interpretability. *Cognitive Neuropsychology*, 34(6), 377-393. DOI: 10.1080/02643294.2017.1402756
- [22] **Blank, I.A.**, & Fedorenko, E. (2017) Domain-general brain regions do not track linguistic input as closely as language-selective regions. *Journal of Neuroscience*, 37(41), 9999-10011. DOI: 10.1523/JNEUROSCI.3642-16.2017

- [23] Chai, L.R., Mattar, M.G., **Blank, I.A.**, Fedorenko, E., & Bassett, D.S. (2016) Functional network dynamics of the language system. *Cerebral Cortex*, 26(11), 4148-4159. DOI: 10.1093/cercor/bhw238
- [24] **Blank, I.A.**, Balewski, Z., Mahowald, K., & Fedorenko, E. (2016). Syntactic processing is distributed across the language system. *Neuroimage*, 127, 307-323. DOI: 10.1016/j.neuroimage.2015.11.069
- [25] **Blank, I.A.**, Kanwisher, N., & Fedorenko, E. (2014). A functional dissociation between language and multiple demand regions revealed in patterns of BOLD fluctuations. *Journal of Neurophysiology*, 112(5): 1105-1118. DOI: 10.1152/jn.00884.2013
- [26] **Blank, I.A.**, & Yovel, G. (2011). The structure of face-space is tolerant to lighting and viewpoint transformations. *Journal of Vision*, 11(8), 207-219. DOI: 10.1167/11.8.15

Publications in progress

A * denotes co-authorship; in such cases, my general policy is to place my junior colleagues before myself

- [27] Zhang, Y; Guo, X; **Blank, I.A.***, Stigler, J.W.* (*under review*) Watching Videos of a Drawing Hand Improves Students' Understanding of the Normal Probability Distribution.
- [28] Sueoka, Y., Paunov, A., Ivanova, A., **Blank, I.A.**, & Fedorenko, E. (*submitted*) The language network reliably 'tracks' naturalistic meaningful non-verbal stimuli. <https://www.biorxiv.org/content/10.1101/2022.04.24.489316v1>
- [29] Sneffjella, B., & **Blank, I.A.** (*submitted*) Semantic norm extrapolation is a missing data problem. <https://psyarxiv.com/y2gav>
- [30] Mahowald, K.*, Ivanova, A.*, **Blank, I.A.**, Kanwisher, N., Tenenbaum, J., & Fedorenko, E. (*submitted*) Dissociating language and thought in large language models: a cognitive perspective. <https://arxiv.org/abs/2301.06627>

Conference Presentations (Peer-Reviewed)

Talks

- [1] Yen, M., **Blank, I.A.***, & Mahowald, K.* Competing Effects of Syntax and Animacy in Priming of Relative Clause Attachment. *4th California Area Meetup on Psycholinguistics*. Irvine, CA, May 2021 (online).
- [2] Sneffjella, B., & **Blank, I.A.** Meaning, Megastudies, and Missing Data. *Words in the World Conference*. October 2020.
- [3] Schrimpf, M., **Blank, I.A.***, Tuckute, G.*, Kauf, C.*, Hosseini, E., Kanwisher, N., Tenenbaum, J., & Fedorenko, E. Artificial Neural Networks Accurately Predict Language Processing in the Brain. *Society for the Neurobiology of Language*. October 2020.
- [4] Blank, A., **Blank, I.A.***, & Fedorenko, E.* An alternative to "random effects" with higher validity, reliability, and power. *#OBHMX Twitter Conference*. March 2020.
- [5] Shain, C., **Blank, I.A.**, van Schijndel, M., Fedorenko, E., & Schuler, W. Prediction in the language network is sensitive to syntactic structure. *33rd CUNY Conference on Human Sentence Processing*. Amherst, MA, March 2020.
- [6] Diachek, E., Siegelman, M., **Blank, I.A.**, & Fedorenko, E. The domain-general multiple demand (MD) network does not support core aspects of language comprehension: a large-scale fMRI investigation. *Architectures and Mechanisms of Language Processing (AMLaP)*. Moscow, Russia, September 2019.
- [7] Futrell, R., Qian, P., Gibson, E., Fedorenko, E., & **Blank, I.A.** Syntactic dependencies correspond to word pairs with high mutual information. *SyntaxFest*. Paris, France, August 2019.

- [8] Grand, G.*, **Blank, I.A.***, Pereira, F., & Fedorenko, E. Semantic projection: Recovering human knowledge of multiple, distinct object properties from natural word collocations. 32th *CUNY Conference on Human Sentence Processing*. Boulder, CO, March 2019.
- [9] Futrell, R., Gibson, E., Tily, H., **Blank, I.**, Vishnevetsky, A., Piantadosi, S., & Fedorenko, E. The Natural Stories Corpus. *Proceedings of 11th Conference on Language Resources and Evaluation (LREC)*. Miyazaki, Japan, May 2018.
- [10] Fedorenko, E., Mineroff, Z., Siegelman, M., & **Blank, I.A.** The distinction between lexico-semantic and syntactic processing is not an organizing dimension of the human language system. 30th *CUNY Conference on Human Sentence Processing*. Cambridge, MA, March 2017.
- [11] **Blank, I.A.**, Rohter, S., Kiran, S., & Fedorenko, E. Functional reorganization of the large-scale brain networks that support high-level cognition following brain damage in aphasia. *Society for the Neurobiology of Language 8th meeting*. London, UK, Aug 2016.
- [12] **Blank, I.A.**, Rohter, S., Kiran, S., & Fedorenko, E. Functional reorganization of the large-scale brain networks that support high-level cognition following brain damage in aphasia. *Academy of Aphasia 53rd Annual Conference*. Tuscon, AZ, Oct 2015.
- [13] Rohter, S., **Blank, I.A.**, Fedorenko, E., & Kiran, S. Neural correlates of recovery and rehabilitation. *Academy of Aphasia 53rd Annual Conference*. Tuscon, AZ, Oct 2015.
- [14] **Blank, I.A.**, & Fedorenko, E. Inter-subject correlations of cortical activity during natural language processing. 28th *CUNY Conference on Human Sentence Processing*. Los Angeles, CA, March 2015.
- [15] **Blank, I.A.**, & Yovel, G. The configuration of face-space is invariant under identity-preserving transformations. 19th annual *Israel Society for Neuroscience Meeting*. Eilat, Israel, Dec 2010.

Posters

- [16] Mazooz, S., Yen, M., & **Blank, I.A.** Men are given the benefit of the doubt in noisy channel processing of English sentences. *Abralin Linguistweets Twitter Conference*. December 2022.
- [17] Denning, J.*, Guo, X.*, Sneffjella, B., & **Blank, I.A.** Do artificial language models learn syntax-semantics mappings? *Abralin Linguistweets Twitter Conference*. December 2022.
- [18] Sneffjella, B., & **Blank, I.A.** The English Lexicon Imputation Project. *Mental Lexicon*. Ontario, Canada, October 2022.
- [19] Sneffjella, B., & **Blank, I.A.** The English Lexicon Imputation Project. 35th *Conference on Human Sentence Processing*. Santa Cruz, CA, March 2022 (online).
- [20] Mazooz, S., Yen, .M, & **Blank, I.A.** Men are Given the Benefit of the Doubt in Noisy Channel Processing of English Sentences. 35th *Conference on Human Sentence Processing*. Santa Cruz, CA, March 2022 (online).
- [21] Sneffjella, B., & **Blank, I.A.** The English Lexicon Imputation Project. *Words in the World Conference*. November, 2021 (online).
- [22] Guo, X., Sneffjella, B., & **Blank, I.A.** Do Artificial Language Models Learn Syntax-Semantics Mappings? 4th *California Area Meetup on Psycholinguistics*. Irvine, CA, May 2021 (online).
- [23] Sneffjella, B., & **Blank, I.A.** Computational Estimation of Lexical Semantic Norms: A New Framework. 4th *California Area Meetup on Psycholinguistics*. Irvine, CA, May 2021 (online).
- [24] Zhang, Y. Son, J.Y., **Blank, I.A.***, & Stigler, J.* Utilizing Dynamic and Embodied Visualization to Facilitate Understanding of Normal Probability Distributions. *Cognitive Science Society*. Vienna, Austria, July 2021 (online).
- [25] Guo, X., Sneffjella, B., & **Blank, I.A.** Do Artificial Language Models Learn Syntax-Semantics Mappings? 34th *CUNY Conference on Human Sentence Processing*. Philadelphia, PA, March 2021 (online).
- [26] Sneffjella, B., & **Blank, I.A.** Computational Estimation of Lexical Semantic Norms: A New Framework. 34th *CUNY Conference on Human Sentence Processing*. Philadelphia, PA, March 2021 (online).

- [27] Yen, M., **Blank, I.A.***, & Mahowald, K.* Competing Effects of Syntax and Animacy in Priming of Relative Clause Attachment. 34th *CUNY Conference on Human Sentence Processing*. Philadelphia, PA, March 2021 (online).
- [28] Hauptman, M., **Blank, I.A.**, & Fedorenko, E. Non-literal language processing is jointly supported by the language and Theory of Mind networks. *Cognitive Neuroscience Society*, March 2021.
- [29] Diachek, E., **Blank, I.A.**, & Fedorenko, E. Co-lateralization of linguistic and arithmetic processing to the left hemisphere. *Society for the Neurobiology of Language*. October 2020.
- [30] Tuckute, G., Shain, C., **Blank, I.A.**, Wang, M., & Fedorenko, E. Linguistic and conceptual processing are dissociated during sentence comprehension. *Society for the Neurobiology of Language*. October 2020.
- [31] Tuckute, G., Mineroff, Z., **Blank, I.A.**, Kean, H., & Fedorenko, E. Temporal language areas appear necessary to wire up frontal cortex for language. *Society for the Neurobiology of Language 11th meeting*. Helsinki, Finland, Aug 2019.
- [32] Shain, C.*, **Blank, I.A.***, van Schijndel, M., Schuler, W., & Fedorenko, E. fMRI reveals language-specific predictive coding during naturalistic sentence comprehension. *32th CUNY Conference on Human Sentence Processing*. Boulder, CO, March 2019.
- [33] **Blank, I.A.**, Duff, M., Brown-Schmidt, S., & Fedorenko, E. Hippocampal engagement in online, high-level linguistic processing. *Society for the Neurobiology of Language 8th meeting*. London, UK, Aug 2016.
- [34] **Blank, I.A.**, & Fedorenko, E. Different high-level language regions integrate information over the same time-window. *Society for the Neurobiology of Language 8th meeting*. London, UK, Aug 2016.
- [35] Chai, L.R., Mattar, M.G., **Blank, I.A.**, Fedorenko, E & Bassett, D.S. Functional network dynamics of the language system. *Biomedical Engineering Society annual meeting*. Tampa, FL, Oct 2015.
- [36] Chai, L.R., Mattar, M.G., **Blank, I.A.**, Fedorenko, E., & Bassett, D.S. Functional network dynamics of the language system. *Society for Neuroscience Conference*. Chicago, IL, Oct 2015.
- [37] Wehbe, L., **Blank, I.A.**, Mahowald, K., Futrell, R., Piantadosi, S., Tily, H., Galle, J., Vishnevetsky, A., Gibson, E., Kanwisher, N., & Fedorenko, E. Neural activity in the fronto-temporal language system predicts online language comprehension difficulty. *Annual Society for the Neurobiology of Language Conference*. Chicago, IL, Oct 2015.
- [38] Paunov, A., **Blank, I.A.**, & Fedorenko, E. The language network and the Theory of Mind network show synchronized activity during naturalistic language comprehension. *Annual Society for the Neurobiology of Language Conference*. Chicago, IL, Oct 2015.
- [39] **Blank, I.A.**, & Fedorenko, E. The functional dissociation between the language and cognitive control systems persists in subcortical and cerebellar regions. *Biennial Conference on Resting State and Brain Connectivity*. Cambridge, MA, Sept 2014.
- [40] **Blank I.A.**, & Fedorenko E. Inter-subject correlations of cortical activity during natural language processing in language-selective regions but not multiple-demand regions. *Annual Society for the Neurobiology of Language Conference*. Amsterdam, Netherlands, Aug 2014.
- [41] Bainbridge, W.A., Isola, P., **Blank, I.A.**, & Oliva, A. Establishing a Database for Studying Human Face Photograph Memory. *Proceedings of the 34th annual meeting of the Cognitive Science Society Meeting*, 1302-1307. Sapporo, Japan, Aug 2012.
- [42] **Blank, I.A.**, Wolf, L., & Yovel, G. Tolerance is tolerance of similarities: behavioral and computational evidence for a view-tolerant identity representation in face-space. *Annual Vision Sciences Society Meeting*. Naples, FA, May 2012.
- [43] **Blank, I.A.**, & Yovel, G. Is face-space a solution to the invariance problem? *Annual Vision Sciences Society Meeting*. Naples, FA, May 2010

Invited Talks (2015 onward only)

<i>What roles do executive functions play in naturalistic language processing?</i> (link)	
Tel Aviv University, Psychology Department, Cognitive Colloquium	2022 May
UCLA, Behavior, Evolution, and Culture speaker series	2021 Oct
Abralin ao Vivo: Linguists Online series	2021 June
UC Merced, Cognitive and Information Sciences Department Colloquium	2021 May
California State University Northridge, Psychology Department Colloquium	2020 Nov
<i>Plenary: Understanding NLP's blackbox with the brain's blackbox and vice versa</i> (link)	
BlackboxNLP workshop (EMNLP conference)	2020 Nov
<i>Complex world knowledge from simple linguistic input</i> (link)	
University of Wisconsin-Madison, "Learning from Language" workshop	2020 Aug
<i>When we "know the meaning" of a word, what kind of knowledge do we have?</i>	
University of Pisa, Department of Philology, Literature and Linguistics seminar	2019 May
MIT, Language and Computation speaker series	2018 April
Harvard University, Language and Cognition seminar	2018 March
Harvard University, Gershman Group meeting	2018 Feb
UCLA, Psychology Department	2017 Dec
<i>Understanding how humans understand</i>	2017 Dec
UCLA, Psychology Department	
<i>The functional architecture of language comprehension mechanisms: fundamentals</i>	2017 Jan
Bar-Ilan University, Linguistics Department Colloquium	
Tel Aviv University, School of Psychology Colloquium	
Hebrew University of Jerusalem, Psychology Department Colloquium	
<i>Brain networks that support language processing</i>	2015 Oct
Harvard University, Society for Brain, Mind and Behavior	
<i>The functional architecture of language comprehension mechanisms</i>	2015 May
Harvard University, Language and Cognition seminar series	

Media Coverage

Grand*, Blank*, et al. (2022)

- [1] <https://neurosciencenews.com/ai-complex-words-20861/>
- [2] <https://www.technologynetworks.com/neuroscience/news/ai-shows-ability-to-understand-complex-word-meanings-362758>
- [3] <https://www.news9live.com/science/artificial-intelligence-can-understand-complicated-meanings-of-words-177966>
- [4] <https://isobox.com/can-computers-understand-complex-words-and-concepts-yes-according-to-research/>
- [5] <https://whatsnew2day.com/can-computers-understand-complex-words-and-concepts-yes-according-to-research/>
- [6] <https://phys.org/news/2022-06-complex-words-concepts.html>
- [7] <https://www.miragenews.com/can-computers-understand-complex-words-and-802409/>
- [8] <https://swifttelecast.com/can-computers-understand-complex-words-and-concepts-yes-according-to-research/>
- [9] <https://www.eurekalert.org/news-releases/956272>

- [10] https://www.myscience.org/news/2022/can_computers_understand_complex_words_and_concepts-2022-ucla
- [11] <https://news8plus.com/language-processing-programs-can-assign-many-kinds-of-information-to-a-single-word-like-the-human-brain/>
- [12] <https://technewsboy.com/language-processing-programs-can-assign-many-kinds-of-information-to-a-single-word-like-the-human-brain/>
- [13] <https://techxplore.com/news/2022-05-language-assign-kinds-word-human.html>
- [14] <https://morns.ca/2022/05/04/language-processing-programs-can-assign-many-kinds-of-information-to-a-single-word-like-the-human-brain/>

Schrimpf et al. (2021)

- [1] <https://www.scientificamerican.com/article/the-brain-guesses-what-word-comes-ne/>
- [2] <https://medium.com/paradigm-research/ns-ai-and-how-the-brain-processes-language-db22a31f4ba5>
- [3] <https://www.axios.com/2021/10/28/ai-hints-brain-processes-language>
- [4] <https://www.news-medical.net/news/20211025/Predictive-language-models-underlying-function-more-closely-resembles-the-human-brain.aspx>
- [5] <https://cacm.acm.org/news/256457-ai-sheds-light-on-how-the-brain-processes-language/fulltext>
- [6] <https://www.unite.ai/ai-models-provide-insight-into-how-brain-processes-language/>
- [7] <https://aithority.com/cognitive-science/neuroscience/mits-neuroscientists-establish-relationship-between-human-brain-and-next-word-ml-based-prediction-models/>
- [8] <https://www.earth.com/news/computer-models-can-mimic-human-language-processing/>
- [9] <https://www.medindia.net/news/artificial-intelligence-models-predict-how-the-brain-processes-language-203983-1.htm>
- [10] <https://thedebrief.org/your-brain-uses-autocorrect-to-decipher-language-and-ai-just-helped-us-prove-it-new-study-says/>
- [11] <https://nytech.media/ai-models-provide-insight-into-how-brain-processes-language/>
- [12] <https://opengovasia.com/ai-sheds-light-on-how-brain-processes-language/>

Funding

DARPA HR001122S0032 NEAT \$252,813 2022-2026
 Role: Faculty, PI of UCLA sub-contract (PI: Shrikanth Narayanan)
Multimodal integration of neural and biobehavioral signals for predicting preconscious responses

Hellman Fellow, UCLA \$20,000 2021-2022

NIDCD/NIH 1R01DC016950-01A1 2019-2024
 Role: Co-I (Co-PIs: Swathi Kiran, Evelina Fedorenko)
Functional reorganization of the language and domain-general multiple demand systems in aphasia

Awards and Fellowships

Honorable Mention, Society for the Neurobiology of Language 2020
Travel Award, Society for the Neurobiology of Language 2016

<i>Walle Nauta Award</i> for continuing dedication to teaching, MIT, BCS	2016
<i>Jerrold J. Katz Young Scholar Award</i> , CUNY conference on human sentence processing	2015
<i>Walle Nauta Award</i> for continuing dedication to teaching, MIT, BCS	2015
<i>Mark Gronenberg Fellowship</i> , MIT, BCS	2015
<i>Angus MacDonald Award</i> for excellence in undergraduate teaching, MIT, BCS	2014
<i>John S. W. Kellet award</i> (LGBT service), award convocation, MIT	2013
<i>Henry E. Singleton Fellowship</i> , MIT, BCS	2012

Teaching Experience and Related Employment (2015 onward only)

<i>PSYCH 263: Psycholinguistics</i> UCLA graduate course	2022
<i>PSYCH 124A: Language as a Cognitive Science</i> UCLA undergraduate course	2019-2022
<i>PSYCH 85: Introduction to Cognitive Science</i> UCLA undergraduate course	2019-2023
<i>General Linear Model for fMRI Data Analysis</i> One-day workshop at MIT's outreach undergraduate program	2015-16, 2018-21

Guest Lecturer

<i>The Neural Basis of Language</i> Summer Springboard (pre-college summer enrichment program)	2021
UCSB, "Psychology of Language" (Undergraduate, LING 127)	2021
UCLA, Department of Linguistics, Psycholinguistics Seminar	2021
UCLA, "Language and Cognitive Development" (Graduate, PSYCH 240A)	2020
Hunter College, "Brains, Minds, and Machines" (Undergraduate, SCI 111)	2018
MIT, "Cognitive Science" (Graduate, 9.012)	2017-20
MIT, "Systems Neuroscience" (Graduate, 9.011)	2017-18
Harvard, "Language, Structure, Cognition" (Undergraduate; Ling 83)	2016
MIT, "Behavioral Neuroscience" (Undergraduate, 9.10)	2015-17
<i>From fMRI data to activation maps</i> MIT, "Functional MRI of the Human Brain" (Undergraduate, 9.71)	2016

Mentoring (since joining UCLA only)

Post-doctoral scientists

Melodie Yen	2019-2022
Bryor Sneffjella	2019-2021

Graduate students

Thomas McGee	2022-present
Ebrahim Feghhi	co-mentor with Jonathan Kao 2022-present
Joseph Denning	2021-present

Undergraduate research assistants

Ishika Sanghi	196B	2023 1 quarter
Susanna Wu	Honors thesis	2022-2023 3 quarters

Jonathan Wan	196B	2022 1 quarter
Peter Vander Muelen	196B	2022 2 quarters
Audrey Lai	volunteer	2021- 3 quarters
Shahar Mazooz	volunteer	2021-2022 4 quarters
Emin Nabiev	PROPS, 196B	2021-2022 4 quarters
Nila Elumalai	volunteer	2021 1 quarter
Jiani Li	196B, volunteer	2020-2022 3 quarters
Ashley Kim	196B, volunteer	2020-2022 5 quarters
Nashif Iqbal	volunteer	2020 2 quarters
Kelly Zhou	volunteer	2020 2 quarters
Hannah Guo	199A	2020-2021 5 quarters
Jasmine Kay	196B	2020 3 quarters

Graduate Committees

Meng Du	C-Paper	PI Parkinson	2022-present
Megan Imundo	Dissertation	PI Bjork	2022-present
Amalia Ionescu	Dissertation	PI Sanhofer	2022-present
Nicholas Ichien	C-Paper + Dissertation	PI Lu	2021-present
Hunter Priniski	C-Paper	PI Holyoak	2022
Brittany Drake	Dissertation	PI Stanton	2021-present
Catherine Walsh	C-Paper	PI Rissman	2021
Michelle Luna	Dissertation	PI Sandhofer	2020-present
Gwendolyn Price	Dissertation	PI Sandhofer	2020-present
Maggie Yeh	Dissertation	PI Liu	2020-present

Other

Ebrahim Fegghi	NSIDP Rotation	2021 fall
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Training and Workshops

<i>Advancing Faculty Research Mentoring</i> (6 hours), UCLA	2022 August
<i>HHMI & UCLA Inclusive Excellence Institute</i> (16 hours), UCLA	2020 February
<i>Basic mediation skills training</i> (32 hours), MIT	2013 January

Professional Service

<i>Ad-hoc reviewer:</i> Nature Communications, Brain and Behavioral Sciences, PNAS, Human Brain Mapping, NeuroImage, Communications Psychology; Cognitive Science, Cerebral Cortex, Cortex, Journal of Neuroscience, Language Cognition and Neuroscience, Journal of the Neurobiology of Language, Acta Psychologica	
<i>Co-organizer,</i> California Annual Meeting on Psycholinguistics	2023
<i>Reviewing Committee,</i> CUNY Annual Meeting on Human Sentence Processing	2018-present
<i>Reviewing Committee,</i> Society for the Neurobiology of Language Annual Meeting	2018-present
<i>Reviewing Committee,</i> California Meeting on Psycholinguistics (CAMP)	2019-present
<i>Reviewing Committee,</i> Conference on Computational Linguistics (COLING)	2020
<i>Reviewing Committee,</i> AMLaP Conference	2020
<i>Organizing committee,</i> CUNY Annual Meeting on Human Sentence Processing	2017

Other Service (since joining UCLA only)

<i>Faculty advisor</i> , UCLA chapter of Psi Chi Psychology Honor Society	2022-present
<i>Member</i> , UCLA Psychology department, Diversity Issues Committee	2020-present
<i>Member</i> , UCLA Psychology department, Cognitive Science Major Committee	2020-present
<i>Member</i> , UCLA Psychology department, Teaching Points Committee	2021
<i>Alternate member</i> , UCLA Psychology department, Merit Review Committee	2021
<i>Coordinator</i> , UCLA Psychology department, Cognitive Area PhD interview weekend	2020