

## Curriculum Vitae

Arild Hestvik

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Laboratory: [Experimental Psycholinguistics Lab](#), 122 Wolf Hall.  
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### **EDUCATION**

2000-2003 Postdoctoral trainee, Speech-Language-Hearing Science, CUNY Graduate Center, New York. (NIH 5T32DC000039; PI: Richard G. Schwartz).  
1984-1990 PhD., Program in Linguistics and Cognitive Science, Department of Psychology, Brandeis University, Waltham, Mass. Doctoral dissertation: [LF-Movement of Pronouns and the Computation of Binding Domains](#). Advisor: Jane Grimshaw.  
1981-1984 *Candidatus magisterii* (theoretical linguistics, computer science and English), University of Trondheim, Norway.

### **ACADEMIC EMPLOYMENTS**

2007-now Professor, Department of Linguistics and Cognitive Science, University of Delaware, Newark, Delaware.  
2003-2006 Research Associate, PhD Program in Speech-Language-Hearing Science, CUNY Graduate Center, New York.  
2001-2005 Professor II (20%), School of Psychology, University of Bergen, Norway.  
1995-2006 Professor, Linguistics, University of Bergen, Norway.  
1990-1995 Researcher BATIIa (SFB 340; PI: Hans Kamp), Institut für maschinelle Sprachverarbeitung, Universität Stuttgart, Germany.

### **VISITING POSITIONS**

Jan 2023 Visiting researcher, Institute for Advanced Study, Waseda University, Tokyo.  
Fall 1993 Visiting professor, Department of Linguistics and Philosophy, University of Oslo.

### **COURTESY APPOINTMENTS**

2014-current Joint appointment, Dept of Psychological and Brain Sciences, Univ. of Delaware.  
2010-2024 Adjunct scientist, Nemours Biomedical Research, Wilmington, Delaware.

### **FELLOWSHIPS**

July 1987 Stanford University, CSLI, summer Research Fellow.  
June 1986 Linguistic Society of America Tuition Fellowship.  
1984-1986 ITT International Fellow (Brandeis University) 1984-1986.  
July 1984 Nordic Council summer stipend (University of Iceland).  
May 1984 Fulbright Travel Fellowship [declined].

## RESEARCH SUPPORT

|           |   |               |
|-----------|---|---------------|
| 2023      | National Science Foundation<br>“Conference: Brain activity measures in phonological research.” BCS-Linguistics award 2240381 for organizing <i>PhonolEEGy 2</i> at UMASS Amherst/LSA Summer Institute of Linguistics 2023. A. Hestvik (PI), V. Shafer (Co-PI), T. Scheer (consultant).  | \$49,703      |
| 2021-2023 | National Science Foundation<br>“ <a href="#">Evoked Category Representations</a> ,” A. Hestvik (PI), Chao Han (co-PI). Doctoral Dissertation Research Improvement Grant BCS-2041266.  | \$19,200      |
| 2019-2021 | Neuroscience Training Program, support by UD College of Arts and Sciences Associate Dean’s Office; support for lab supplies.  | \$2000        |
| 2018-2019 | Waseda University, Tokyo, Japan.<br>“ERP evaluation of the Perceptual Assimilation Model: Japanese speakers’ perception of English vowels.” Y. Shinohara (PI), A. Hestvik (co-PI). Japan Society for Promotion of Science KAKENHI grant.  | \$4000        |
| 2015-2017 | National Institutes of Health Cobre pilot grant P30GM114736<br>“ <a href="#">From signal to symbol: Where is the auditory processing deficit?</a> ” NIH COBRE grant. Kyoko Nagao (PI), Arild Hestvik (mentor), Thierry Morlet (mentor). Institutional Development Award from the National Institute of General Medical Sciences of the NIH (PI: Thomas H. Shaffer). | \$120,000     |
| 2009-2010 | General University Research (GUR) grant, University of Delaware<br>“Language Dependent Asymmetry in Neural Representation of Speech.” A. Hestvik (PI).  | \$7,800       |
| 2007-2010 | UNIDEL grant, University of Delaware<br>Startup funds for building ERP lab, University of Delaware. A. Hestvik (PI).  | \$200,000     |
| 2003-2006 | National Institutes of Health<br>“ <a href="#">Structural representation and sentence processing in SLI</a> ,” A. Hestvik (PI). NIH National Institute of Deafness and other Communicative Disorders grant 5R03DC006175 to the Research Foundation of the City University of New York.  | \$225,000     |
| 2006      | European Science Foundation, COST-Action A33.<br>“Cross-linguistically robust stages of children’s linguistic performance with applications to the diagnosis of specific language impairment”. Dr. Uli Sauerland (PI), University of Tübingen, Germany. Role: Member, management committee.   |               |
| 2004-2006 | German Science Foundation (DfG)<br>“The Structure of the Left Periphery in Germanic Languages – CP-and IP-related elements in normal and impaired speech.” Dr. Frank Burchert (PI), University of Potsdam, Germany. Role: Member of scientific network.   |               |
| 2000      | University of Bergen<br>“Health and Welfare” grant from the University of Bergen, for initiating research projects in speech and hearing science. A. Hestvik (PI).  | ca. \$3000    |
| 2000      | Norwegian Research Council/ <i>Maison des Sciences de l'Homme</i><br>A. Hestvik (PI). AURORA-grant from the <i>Norwegian Research Council</i> and the <i>French Science Foundation (MSH)</i> . Collaborative research with Pierre Pica, CNRS, France.   | ca. \$2500    |
| 2000      | Meltzer Foundation, University of Bergen  | ca. \$10,000. |

- “Norwegian Theoretical Grammar Simulator.” A. Hestvik (PI), Lars Johnsen (co-PI). Collaborative research with Sandiway Fong and David Lebeaux of NEC Research Institute, Princeton, USA.
- 1997-1999 Norwegian Research Council & Meltzer Foundation ca. \$132,000  
 “Linguistic Processing Indicated by Event-Related Brain Potentials.” A. Hestvik (PI), Helge Nordby (co-PI), Biological and Medical Psychology, University of Bergen. Jointly funded by *Norwegian Research Council* ca \$100,000, and *Meltzer Foundation*, ca. \$32,000.
- 1999 Meltzer Foundation ca. \$12000  
 “Basic and applied research at the interface between psychology and linguistics,” A. Hestvik (PI). Grant for organizing international workshop, School of Psychology, University of Bergen.
- 1996 Research Exchange program, University of Bergen and Utrecht University, NL.  
 “Norwegian Children's Knowledge of Binding Theory.” A. Hestvik (PI). Collaborative research with Dr. William Philip, Utrecht University, The Netherlands, ~\$6350. One-semester visiting professorship for Philip, ~\$12000.
- 1995 University of Bergen Faculty for the Arts research grant ca. \$5800  
 “On-Line Interpretation of Anaphora in Ellipsis.” A. Hestvik (PI), Lewis Shapiro (co-PI), San Diego State University, CA, USA.

## **PUBLICATIONS**

46. Han, C., Hestvik, A., & Idsardi, W. (2026). Within-category mismatch responses to parametrically varying speech sounds. *European Journal of Neuroscience*, 63(8), 1-21.  
<https://doi.org/10.1111/ejn.70482>
45. Asami, D., Han, C., Burger, J., Dunlop, D., Lu, Y., Yahya, E., Morad, M., Zhao, C., & Hestvik, A. (2025). “Negation-blind” N400 effect disappears when lexical priming is controlled. *Experiments in Linguistic Meaning*, 3, 19–31.  
<https://doi.org/10.3765/ELM.3.5800>
44. Shinohara, Y., Han, C., & Hestvik, A. (2023). English Vowel Discrimination and Perceptual Assimilation by Japanese Listeners. *Language and Speech* 67(4), 945-960.  
<https://doi.org/10.1177/00238309231209311>
43. Hestvik, A., Morlet, T., Nagao, K., and Han, C. (2023). Auditory Processing Disorder Targets Phonetics, Not Phonology. In *BUCLD 47: Proceedings of the 47th Annual Boston University Conference on Language Development*, edited by Paris Gappmayr and Jackson Kellogg, 356–65. Somerville, MA: Cascadilla Press.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10410628>
42. Hestvik, A., Scharinger, M., Shafer, V. L., Lahiri, A. (2022). Editorial: Phonological Representations and Mismatch Negativity Asymmetries. *Frontiers in Human Neuroscience*, 16:916074.  
<https://www.frontiersin.org/articles/10.3389/fnhum.2022.916074/>

41. Hestvik, A., Shafer, V. L., Lahiri, A., & Scharinger, M. (Eds.). (2022). *Phonological Representations and Mismatch Negativity Asymmetries*. Frontiers Media SA. <https://doi.org/10.3389/978-2-88974-733-7> (e-book).
40. Hestvik, A., Epstein, B., Schwartz, R. G., & Shafer, V. L. (2022). Developmental Language Disorder as Syntactic Prediction Impairment. *Frontiers in Human Communication: Language Sciences* 6. <https://doi.org/10.3389/fcomm.2021.637585>
39. Dong, R., Han, C., Hestvik, A., & Hermon, G. (2022). L2 Processing of Filled Gaps: Nativelike Proficiency but Non-native Brain Activity. *Linguistic Approaches to Bilingualism*. <http://doi.org/10.1075/lab.20058.don>
38. Shinohara, Y., Han, C., & Hestvik, A. (2022). Familiarity and discriminability of non-native vowels. *Studies in Second Language Acquisition*. <https://doi.org/10.1017/S0272263121000978>
37. Rhodes, R., Avcu, E., Han, C., & Hestvik, A. (2022). Auditory predictions are phonological when phonetic information is variable. *Language, Cognition and Neuroscience*. <https://doi.org/10.1080/23273798.2022.2043395>
36. Dong, Z. R., Rhodes, R., & Hestvik, A. (2021). Active Gap Filling and Island Constraint in Processing the Mandarin “Gap-type” Topic Structure. *Frontiers in Communication* 6. <https://doi.org/10.3389/fcomm.2021.650659>
35. Palaz, B., Rhodes, R., & Hestvik, A. (2020). [Informative use of “not” is N400-blind](https://doi.org/10.1111/psyp.13676). *Psychophysiology*. <https://doi.org/10.1111/psyp.13676>
34. Avcu, E., & Hestvik, A. (2020). [Unlearnable phonotactics](https://doi.org/http://doi.org/10.5334/gjgl.892). *Glossa: A Journal of General Linguistics*, 5(1). <https://doi.org/http://doi.org/10.5334/gjgl.892>
33. Hestvik, A., Shinohara, Y., Durvasula, K., Verdonschot, R., & Sakai, H. (2020). Abstractness of human speech sound representations. *Brain Research*, 1732(1 April 2020). <https://doi.org/10.1016/j.brainres.2020.146664>
32. Datta, H., Hestvik, A., Vidal, N., Tessel, C., Hisagi, M., Wróbleski, M., & Shafer, V. L. (2020). [Automaticity of speech processing in early bilingual adults and children](https://doi.org/10.1017/S1366728919000099). *Bilingualism: Language and Cognition*, 23(2), 429–445. <https://doi.org/10.1017/S1366728919000099>
31. Rhodes, R., Han, C., & Hestvik, A. (2019). [Ad hoc phonetic categorization and prediction](#). In S. Calhoun, P. Escudero, M. Tabain, & P. Warren (Eds.), *Proceedings of the 19th International Congress for Phonetic Sciences* (pp. 2344–2348). Melbourne, Australia: Australasian Speech Science and Technology Association Inc.
30. Avcu, E., Rhodes, R., & Hestvik, A. (2019). [Neural Underpinnings of Phonotactic Rule Learning](#). In K. Hout, A. Mai, A. McCollum, S. Rose, & M. Zaslansky (Eds.), *Proceedings*

of the Annual Meetings on Phonology (Vol. 7, Issue 0). Linguistic Society of America.  
<https://doi.org/10.3765/AMP.V7I0.4487>

29. Shinohara, Y., Han, C., & Hestvik, A. (2019). [The perception of English vowels /æ/, /ʌ/, and /ɑ/ by Japanese speakers](#). Peer-reviewed; in S. Calhoun, P. Escudero, M. Tabain, & P. Warren (Eds.), *Proceedings of the 19th International Congress for Phonetic Sciences* (Issue August, pp. 2344–2348). Australasian Speech Science and Technology Association Inc.
28. Rhodes, R., Han, C., & Hestvik, A. (2019). [Phonological memory traces do not contain phonetic information](#). *Attention, Perception, & Psychophysics*, 81, 897-911.  
<https://doi.org/10.3758/s13414-019-01728-1>
27. Hestvik, A., & Durvasula, K. (2016). [Neurobiological evidence for voicing underspecification in English](#). *Brain and Language*, 152, 28–43.  
<https://doi.org/10.1016/j.bandl.2015.10.007>
26. Schwartz, R. G., Hestvik, A., Seiger, L., & Almodovar, D. (2016). [Processing binding relations in Specific Language Impairment](#). *Journal of Speech Language and Hearing Research*, 59(6), 1384–1394. [https://doi.org/10.1044/2016\\_JSLHR-L-15-0107](https://doi.org/10.1044/2016_JSLHR-L-15-0107)
25. Epstein, B., Hestvik, A., Shafer, V. L., & Schwartz, R. G. R. G. (2013). [ERPs reveal atypical processing of subject versus object Wh-questions in children with specific language impairment](#). *International Journal of Language & Communication Disorders*, 48(4), 351–65. <https://doi.org/10.1111/1460-6984.12009>
24. McCauley, S. M., Hestvik, A., & Vogel, I. (2013). [Perception and Bias in the Processing of Compound versus Phrasal Stress: Evidence from Event-related Brain Potentials](#). *Language and Speech*, 56(1), 23–44. <https://doi.org/10.1177/0023830911434277>
23. Hestvik, A., Bradley, E., & Bradley, C. (2012). [Working Memory Effects of Gap-Predictions in Normal Adults: An Event-Related Potentials Study](#). *Journal of Psycholinguistic Research*, 41(6), 425–438. <https://doi.org/10.1007/s10936-011-9197-8>
22. Fortunato-Tavares, T., de Andrade, C. R. F., Befi-Lopes, D. M., Hestvik, A., Epstein, B., Tornyova, L., & Schwartz, R. G. (2012). [Syntactic structural assignment in Brazilian Portuguese-speaking children with specific language impairment](#). *Journal of Speech, Language, and Hearing Research*, 55(4), 1097–1111. [https://doi.org/10.1044/1092-4388\(2011/10-0215\)](https://doi.org/10.1044/1092-4388(2011/10-0215))
21. Hestvik, A., Schwartz, R. G., & Tornyova, L. (2010). [Relative Clause Gap-Filling in Children with Specific Language Impairment](#). *Journal of Psycholinguistic Research*, 39(5), 443–456. <https://doi.org/10.1007/s10936-010-9151-1>
20. Bradley, E. D., & Hestvik, A. (2009). [Testing the sensory hypothesis of the early left anterior negativity with auditory stimuli](#). In *Linguistic Society of America Annual Meeting Extended Abstracts*.

19. Vogel, I., Hestvik, A., Bunnell, T., & Spinu, L. (2009). [Perception of English compound vs. phrasal stress: Natural vs. synthetic speech](#). Peer-reviewed; In *Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH* (pp. 1699–1702).
18. Fortunato-Tavares, T., Rocha, C. N., Andrade, C. R. F. de, Befi-Lopes, D. M., Schochat, E., Hestvik, A., & Schwartz, R. G. (2009). [Processamento linguístico e processamento auditivo temporal em crianças com distúrbio específico de linguagem](#). *Pró-Fono Revista de Atualização Científica*, 21(4), 279–284. <https://doi.org/10.1590/S0104-56872009000400003>
17. Hestvik, A., Maxfield, N. D., Schwartz, R. G., & Shafer, V. L. (2007). [Brain responses to filled gaps](#). *Brain and Language*, 100(3), 301–316. <https://doi.org/10.1016/j.bandl.2006.07.007>
16. Hestvik, A., Nordby, H., & Karlsen, G. (2005). [Antecedent reactivation by surface and deep anaphora in Norwegian](#). *Scandinavian Journal of Psychology*, 46(3), 229–238. <https://onlinelibrary.wiley.com/doi/10.1111/j.1467-9450.2005.00452.x>
15. Sekerina, I. A., Stromswold, K., & Hestvik, A. (2004). [How do adults and children process referentially ambiguous pronouns?](#) *Journal of Child Language*, 31(1), 123–152. <https://doi.org/10.1017/S0305000903005890>
14. Shapiro, L. P., Hestvik, A., Lesan, L., & Garcia, A. R. (2003). [Charting the time-course of VP-ellipsis sentence comprehension: Evidence for an initial and independent structural analysis](#). *Journal of Memory and Language*, 49(1), 1–19. [https://doi.org/10.1016/S0749-596X\(03\)00026-3](https://doi.org/10.1016/S0749-596X(03)00026-3)
13. Hestvik, A., & Philip, W. (2001). [Syntactic vs. logophoric binding: Evidence from Norwegian child language](#). In P. Cole, G. Hermon, & J. Huang (Eds.), *Long Distance Reflexives* (Vol. 33). New York: Academic Press.
12. Hestvik, A., & Philip, W. (2000). [Binding and Coreference in Norwegian Child Language](#). *Language Acquisition*, 8(3), 171–235. [https://doi.org/10.1207/S15327817LA0803\\_1](https://doi.org/10.1207/S15327817LA0803_1)
11. Berman, S., & Hestvik, A. (1997). [Split Antecedents, Noncoreference, and DRT](#). In H. Bennis, P. Pica, & J. Rooryck (Eds.), *Atomism and Binding*. Foris: Dordrecht.
10. Shapiro, L. P., & Hestvik, A. (1995). [On-line comprehension of VP-ellipsis: Syntactic reconstruction and semantic influence](#). *Journal of Psycholinguistic Research*, 24(6), 517–532. <https://link-springer-com.udel.idm.oclc.org/article/10.1007/BF02143165>
9. Hestvik, A. (1995). [Reflexives and ellipsis](#). *Natural Language Semantics*, 3(2), 211–237. <http://doi.org/10.1007/BF01249838>

8. Hestvik, A. (1995). Mentale grammatikker og barns språktilegnelse. In C. Fabricius-Hansen & A. M. Vonen (Eds.), *Språklig kompetanse : hva er det, og hvordan kan det beskrives?* Oslo: Novus.
7. Hestvik, A. (1992). [LF Movement of Pronouns and Antisubject Orientation](#). *Linguistic Inquiry*, 23(4), 557–594. <http://www.jstor.org/stable/4178790>
6. Hestvik, A. (1992b). [Lars Hellan: Anaphora in Norwegian and the Theory of Grammar](#). Book review, *Norsk Lingvistisk Tidsskrift*.
5. Berman, S., & Hestvik, A. (1992). Proceedings of the Stuttgart Ellipsis Workshop. In *Arbeitspapiere des Sonderforschungsbereichs 340, Sprachtheoretische Grundlagen für die Computerlinguistik* (Vol. 29). Stuttgart: Universitäten Stuttgart und Tübingen in Kooperation mit der IBM Deutschland.
4. Hestvik, A. (1991). [Subjectless Binding Domains](#). *Natural Language and Linguistic Theory*, 9(3), 455–496. <https://link-springer-com.udel.idm.oclc.org/article/10.1007/BF00135355>
3. Berman, S., & Hestvik, A. (1991). [LF: A critical survey](#). *Arbeitspapiere des SFB340, Sprachtheoretische Grundlagen Für Die Computerlinguistik*. Heidelberg: IBM Germany.
2. Hestvik, A. (1990). [Against the notion “Governing Category.”](#) In *Proceedings of the Ninth West Coast Conference on Formal Linguistics*. Stanford University, Center for the Study of Language and Information.
1. Hestvik, A. (1986). [Case Theory and Norwegian Impersonal Constructions: Subjects-Object Alternations in Active and Passive Verbs](#). *Nordic Journal of Linguistics*, 9(2), 181–197. <https://doi.org/10.1017/S0332586500001499>

## **INVITED PRESENTATIONS** (recent)

- 2025      Invited lecturer and Distinguished Faculty Member, *Summer School on Minds, Brains and Machines*, May 12-16, 2025, Krea University, Chennai, INDIA.
- 2023      Invited speaker, Waseda Institute for Advanced Study Visiting Researcher Seminar “[Cognitive Neuroscience of Language](#)”: 1. Implications of within-category MMN with varying standards; 2. N170 evidence for early processing of binding and no intrusion effects; 3. Non-incremental processing of negation; 4. Children with specific language impairment exhibits syntactic prediction failure.”, Faculty of Science and Engineering, Waseda University, Tokyo, JAPAN, Jan 27-30, 2023.
- 2022      Invited speaker, “On the effect of ‘varying the standards’ in linguistic MMN experiments.” Methodology symposium, The 9<sup>th</sup> Mismatch Negativity Conference (MMN 2022), Sept. 21-23, Fukushima Medical University, Fukushima, JAPAN.

- 2022 Invited speaker, Laboratoire Bases, Corpus, Langage; Université Côte d'Azur, FRANCE. June 23-24, 2022.
- 2019 Colloquium speaker, Department of Linguistics, Wien, AUSTRIA. (declined)
- 2019 [Discussant presentation](#), LSA Annual Meeting, symposium, "The Nature of Children's Representations of Subject-Verb Agreement in the Context of Variation: Insights from Production, Comprehension and Brain Imaging." Organizer: Isabelle Barrière, LIU-Brooklyn & YVY Research Institute.
- 2018 Invited speaker, colloquium series. "Automaticity of speech processing in early bilingual adults and children," Basque Center on Cognition, Brain and Language (BCBL), Donostia-San Sebastián, SPAIN.
- 2018 "[Using brain waves as linguistic evidence](#)," May 29, 2018, Norwegian Institute of Science and Technology, Trondheim, NORWAY.
- 2017 "MMN evidence for phonological underspecification", colloquium, Feb 6, 2017, Department of Linguistics, Stony Brook University, NY. Invited speaker, colloquium series.
- 2016 Invited speaker, "Brain responses to voicing underspecification," Mental Architectures for Processing and Learning of Language, annual conference, July 23, 2016, Waseda University, Tokyo, JAPAN.
- 2016 "Using the brain to find evidence for linguistic theory: The case of underspecification," Feb 4, 2016 Department of Linguistics, Memorial University of Newfoundland, St Johns, CANADA. Invited speaker, colloquium series.
- 2012 "Differentiating phonetic from phonological speech sound representations in the brain", June 21, 2012, Project Center for Brain Science of Language and Cognition, Graduate School of Education, Hiroshima University, Hiroshima, JAPAN. Host: Dr. Hiromu Sakai. Invited speaker, colloquium series.
- 2012 "Differentiating phonetic from phonological speech sound representations in the brain", June 11, 2012, Translational Science Research Seminar, Nemours Research/A.I. DuPont Hospital, Wilmington, DE. Host: Dr. Thierry Morlet. Invited speaker.
- 2012 "Syntactic dependency completion, working memory, and its implications for Specific Language Impairment," June 23, 2012, Institute for Linguistics Sciences, Kobe Shoin Women's University, Kobe, JAPAN. Host: Dr. Taisuke Nishigauchi and Dr. Takao Gunji. Invited speaker, colloquium series.

2011 “Syntactic dependency completion in children with SLI and low WM adults,”  
Linguistics Colloquium, Department of Linguistics, Rutgers University. Invited  
speaker, colloquium series.

### **CONFERENCE PRESENTATIONS (last 10 years)**

2025

Burger, J., Hestvik, A., Han, C., Hill, T., Idsardi, W., Knox, A., & Alromihi, A. (2025). “Neural Investigation of Underspecification with Rotated Speech.” Spoken presentation, *North American Phonology Conference XIII*, Concordia University, Montreal; poster presentation at *Neurobiology of Language* annual conference, Gallaudet University, Washington DC, September 2025.

Alromihi, A., Burger, J., Knox, A., Hill, T., & Hestvik, A. (2025). “YODA: English as SOV preserves N400 evidence for 2-stage negation processing.” Poster presentation, *Human Sentence Processing Conference*, University of Maryland, College Park, MD.

2024

Han, Chao, Arild Hestvik, and William Idsardi (2024). “Sensitivity to Statistical Stimulus Properties in Within-Category MMN.” In *The 10th Mismatch Negativity Conference: The Neuronal Basis of MMN and Its Clinical Applications*. Salamanca, Spain.  
<https://mmn24conference.usal.es/>

Asami, Daiki, Chao Han, Jacob Burger, Deanna Dunlop, Yue Lu, Evah Yahya M Morad, Chenyue Zhao, and Arild Hestvik (2024). “‘Negation-Blind’ N400 Disappears When Priming Controlled.” Poster presentation, *Experiments in Linguistic Meaning 3*, June 12-14, 2024, Philadelphia, PA: University of Pennsylvania; and *37th Annual Conference on Human Sentence Processing*, May 16-18, 2024, University of Michigan at Ann Arbor.

2023

Han, C., Hestvik, A., Idsardi, W. (2023) “Memory Trace Retention of Phonetic Details with a Category Representation,” spoken presentation at [PhonolEEGy 2](#), Linguistic Society of America Summer Institute, UMASS/Amherst, June 24, 2023.

2022

Hestvik, A., Morlet, T., Nagao, K. & Han, C. (2022) “Auditory Processing Disorder targets phonetics, not phonology.” Spoken presentation, the 47<sup>th</sup> Boston University Conference on Language Development, Nov 3-6, 2022, Boston, MA, USA.

Han, C., Hestvik, A., & Rhodes, R. (2022). “What does varying the standards in an MMN paradigm really do?” Poster presentation, *Annual Meeting of the Society for Neurobiology of Language*. Philadelphia, PA: University of Pennsylvania, October 2022.

Han, C., Rhodes, R., W. Idsardi & Hestvik, A. (2022). “Symbolic vs. gradient phonemes.” Poster presentation, Annual Meeting of the Society for Neurobiology of Language, University of Pennsylvania, USA, October 2022.

Han, C., Rhodes, R., W. Idsardi & Hestvik, A. (2022). “Symbolic vs. gradient phonemes.” Poster presentation, 9th Mismatch Negativity Conference (MMN 2022), Sept 21-23, Fukushima Medical University, Fukushima, Japan.

2021

Hestvik, A., & Yoo, Mye H. (2021). Evidence for early application of binding theory and late intrusion effects. Poster presentation at [Linguistic illusions in sentence processing 2021](#), Universität Konstanz, Germany.

Hestvik, A., & Yoo, Mye H. (2021). Evidence for early application of binding theory and late intrusion effects. Short talk at 2021 *CUNY Sentence Processing Conference*, University of Pennsylvania, Philadelphia. [[Abstract](#) | [Presentation](#)]

Hestvik, A., Valerie, L. S., & Schwartz, R. G. (2021). Irregular and regular verbs elicit identical morphological decomposition ERPs. Short talk at 2021 *CUNY Sentence Processing Conference*, University of Pennsylvania, Philadelphia. [[Abstract](#) | [Presentation](#)]

2020

Sarkar, S., & Hestvik, A. (2020). [Gradient effects and categorical perception co-exist](#). Annual meeting of the Acoustic Society of America, *The Journal of the Acoustical Society of America*, 148(4), 2503–2503.

Hestvik, A., Epstein, B., Shafer, V. L., & Schwartz, R. G. (2020). [Syntactic prediction impairment is detectable with ERPs, not with behavioral measures](#). *Behavioral Measures of Language Acquisition and Language Processing in Typical and Atypical Populations*, Ca’ Foscari University, Venice, Italy. [recorded presentation due to COVID]

Yoo, M. H., & Hestvik, A. (2020). "ERP index of temporally delayed intrusive binding". Poster Presentation at the 2020 *Society for the Neurobiology of Language Annual Meeting*, October 21-24, 2020.

Palaz, B., Rhodes, R. & Hestvik, A. (2020) Informative use of "not" is N400-blind. Poster Presentation at the 2020 *Society for the Neurobiology of Language Annual Meeting*, October 21-24, 2020.

Yoo, M. H., & Hestvik, A. (2020). The overt gender marking does not dampen intrusion effect in reflexive processing. Poster presentation, *Annual CUNY Sentence Processing Conference*, Amherst, MA.

Rhodes, R., Avcu, E., & Hestvik, A. (2020). [Encoding and Representation of Phonetically-Varying Speech Sounds \(video\)](#). *PhonolEEGy: Electrophysiology and phonological theory. Workshop Series in Cognitive Science*, Maison des Sciences de l'Homme et de la Société Sud-Est, Nice, France.

Enes Avcu, Rhodes, R., & Hestvik, A. (2020). [Locality Matters: Neural responses show local, but not piecewise learning](#). *PhonolEEGy: Electrophysiology and phonological theory. Workshop Series in Cognitive Science*, Maison des Sciences de l'Homme et de la Société Sud-Est, Nice, France.

2019

Palaz, B., Rhodes, R., & Hestvik, A. (2019). On the non-incremental processing of negation: Evidence from ERPs. Spoken presentation at *Discourse Expectations: Theoretical, Experimental, and Computational Perspectives (DETEC2019)*. Berlin, Germany: Leibniz-Zentrum Allgemeine Sprachwissenschaft.

Hestvik, A. (2019). [Invited discussant](#), Symposium "The Nature of Children's Representations of Subject-Verb Agreement in the Context of Variation: Insights from Production, Comprehension and Brain Imaging" Panel Discussion. *The 93rd Annual Meeting of the Linguistic Society of America (LSA)*

Enes Avcu, Rhodes, R., & Hestvik, A. (2019). Computational Complexity in Phonotactics Modulates Brain Response Evidence from EEG. *Annual Meeting on Phonology*. Stony Brook, NY: Stony Brook University.

Rhodes, R., Avcu, E., & Hestvik, A. (2019). Phonemic and Phonetic Representation in Auditory Prediction. *Annual Meeting on Phonology*. Stony Brook, NY: Stony Brook University.

Shinohara, Y., Chao, H., and Hestvik, A. (2019). The perception of English vowels /æ/, /ʌ/, and /ɑ/ by Japanese speakers. Poster presentation at the *International Congress of Phonetic Sciences*, Melbourne, Australia, August 5-9, 2019.

Rhodes, R., Han, C., Hestvik, A. (2019) “Ad Hoc Phonetic Categorization and Prediction. Oral conference presentation”, spoken presentation at the *International Congress of Phonetic Sciences*, Melbourne, Australia.

Avcu, E., Rhodes, R. & Hestvik, A. (2019). Neural Tracking of Implicit vs. Explicit Phonotactic Learning. *Generative Linguistics in the Old World (GLOW 42)* annual conference, *Workshop on Rules and Learning Strategies in the Acquisition of Signed and Spoken Phonologies*. University of Oslo, Norway.

2018

Rhodes, R., Han, C., & Hestvik, A. (2018). The Ad hoc perceptual grouping of speech sounds in the varying standards oddball paradigm. Poster, *8th International Mismatch Negativity Conference*. Helsinki, Finland.

Avcu, E., Rhodes, R., Chao, H., & Hestvik, A. (2018). Neural Underpinnings of Phonotactic Rule Learning. *The 49th Annual Meeting of the North East Linguistic Society*, 1–2.

2017

Shinohara, Y., Hestvik, A., Durvasula, K., Verdonschot, R. G., & Sakai, H. (2017). Cross-linguistic differences in MMN asymmetry: Voicing underspecification in Japanese. Poster, *8th International Mismatch Negativity Conference*. Helsinki, Finland.

Rhodes, R., Han, C., Hestvik, A., Chao, H., & Hestvik, A. (2017). The Ad hoc Perceptual Grouping of Speech Sounds in the Varying Standards Oddball Paradigm. *Cognitive Neuroscience Society Annual Meeting*, 2, 484.

Shinohara, Y., Hestvik, A., Verdonschot, R. G., Durvasula, K., & Sakai, H. (2017). Cross-linguistic differences in MMN asymmetry: Voicing underspecification in Japanese. *Neurobiology of Language*. Baltimore, MD.

Dong, Z. R., Rhodes, R., & Hestvik, A. (2017). Island Constraint and Reanalysis in Processing Mandarin Topic Structure: An ERP Study. *CUNY Sentence Processing Conference* (p. 2009).

Pereira, O., Hestvik, A., Morlet, T., (2017) [Neurophysiological speech processes in children with auditory processing disorder](#). Middle States Conference, Acoustic Society of America.

2016

Datta, H., Hestvik, A., & Shafer, V. L. (2016). Differences in T-complex measures of vowel sounds in bilingual and monolingual children. *Annual Meeting of the Cognitive Neuroscience Society*.

2014

Durvasula, K., & Hestvik, A. (2014). [Speaking beats listening: Evidence that motor activity out-primes auditory activity during speech perception](#). Spoken presentation at *Annual Neurobiology of Language Conference*. San Diego, CA.

2013

Tebaldi, J., Bristol, R. & Hestvik, A. (2013). [Electrophysiological evidence of an emotional blink: Negative emotional content impairs language processing](#). Spoken presentation, Penn Linguistic Consortium, University of Pennsylvania, Philadelphia, PA.

Dong, R., & Hestvik, A. (2013). [Processing of tense morphology and filler-gap dependencies by Chinese second language speakers of English](#). *International Conference on Multilingualism*. Montreal, QB.

## **TEACHING**

### **Doctoral dissertations advisor:**

|         |   |
|---------|---|
| Current | Neemias Filhos, Jacob Burger, Tarleton Hill   |
| 2023    | Chao Han, “The nature of phoneme representation in various-standard oddball paradigm.”  |
| 2019    | Ryan Rhodes, “ <i>Phonetic and phonemic predictions in auditory memory.</i> ”   |
| 2019    | Enes Avcu, “ <i>Using cognitive neuroscience to understand leaning mechanisms: Evidence from phonological processing.</i> ”       |
| 2016    | Ramirez Sarmiento, Angel M. A. (2016). “ <i>ERP signatures of attachment height variations in English and Spanish.</i> ”          |
| 2014    | Renee Dong, “ <i>Processing of tense morphology and filler-gap dependencies by Chinese second language speakers of English.</i> ” |

### **Dissertation committees:**

|      |  |
|------|--|
| 2026 | Committee member, Janina Boecher, Department of Linguistics and Cognitive Science, “Exploring Speech Rhythm Perception and Production Skills in Typically-Developing Children” |
| 2024 | Committee member, Alyssa Macon, NYU Department of Linguistics, “Cortical indices of picture name encoding times in fluent and stuttering adults.”                              |
| 2005 | Committee member, Nathan Maxfield, CUNY “Cortical indices of picture name encoding times in fluent and stuttering adults.”   |

**Other research training:**

- 2010 Stewart McCauley (Master's degree in Cognitive Science).  
 2007-09 Evan Bradley, Department of Linguistics and Cognitive Science.  
 2005 Ketil Berntzen, Master's thesis University of Bergen masters thesis: "*V-Movement and Question Production in Norwegian Broca's Aphasia.*"  
 2019- Neuroscience Training Program  
 Training graduate students in experimental methodology for EEG recordings and ERP experiments, including experimental design, software programming, instrumentation, signal processing, artifact correction, derivation of ERPs, statistical and exploratory data analysis, reporting standards. With support from the Dean's Office, College of Arts and Sciences, University of Delaware.

**Undergraduate research training:**

- 2010-2021 University of Delaware Research Office Summer Scholars (undergraduates): Catherine Bradley (2008-2010), Samantha Scharf (2016), Lena Herman (2019)  
 2018 McNair Scholars: Teresa Highberger, Adassa Phillips

**Courses taught:***University of Delaware*

LING 100 Introduction to Linguistics, CGSC170/270 Introduction to Cognitive Science, LING 202 Structure of Language, CGSC 420 Research Methods in Cognitive Science, CSGC 470/670 Elements of Cognitive Science, CGSC485 Senior Seminar (Specific Language Impairment), CGSC 496/696 Psycholinguistics (undergrad), LING697 Experimental linguistics NSCI630 Integrative Neuroscience (guest lectures), LING890 Seminars on event-related potentials research and technique

*University of Bergen*

Introduction to linguistics, Introduction to phonology, Introduction to syntax, Introduction to historical linguistics, Introduction to psycholinguistics, Formal semantics, Language acquisition and development, Typology and language universals, Introduction to linguistics for speech and hearing science.

**SERVICE****University of Delaware**

- 2025-2027 Promotion and Tenure Committee, College of Arts and Sciences  
 2017-2019 Promotion and Tenure Committee, College of Arts and Sciences  
 2019-2025 At-large elected senator, College of Arts and Sciences Faculty Senate  
 2013-2024 Committee on Committees and Nominations, College of Arts and Sciences  
 2019 Evaluator for Sypherd Prize, University of Delaware  
 2019-2022 Member, University of Delaware Neuroscience Committee  
 2017-2022 Departmental senator, University Faculty Senate  
 2015-2018 Departmental senator, College of Arts and Sciences Faculty Senate  
 2010-current Member or chair, multiple search committees  
 2012 Member, search committee, Dept of Psychological and Brain Sciences

## **Editorships**

2019-2020 Guest Associate Editor, Research Topic: “[Phonological Representations and Mismatch Negativity Asymmetries](#),” *Frontiers in Human Neuroscience* - Speech and Language, *Frontiers in Psychology* - Auditory Cognitive Neuroscience.

1996-2016 Member, editorial board, *Journal of Comparative Germanic Linguistics*, Springer.

## **Ad hoc grant reviewer**

National Science Foundation (SBE/Linguistics) ad hoc grant reviewer, Linguistics Panel (2023)

National Institutes for Health (NICHD/NIDCD) grant reviewer

American Speech-Hearing Association Foundation (2007) study section

European Science Foundation grant reviewer, College of Expert Reviewers (member, 2018-)

The Israel Science Foundation/NSF grant reviewer

Belgian Federal Office for Scientific Technical and Cultural Affairs (2006).

Dutch Research Council (NWO) (2023)

## **Ad hoc journal reviewer (last 10 years)**

Language, Linguistic Inquiry, Natural Language and Linguistic Theory, Nordic Journal of Linguistics, Journal of Pragmatics, Journal of Comparative Germanic Linguistics, Language Acquisition, Journal of Speech Language, and Hearing Research, International Journal of Language & Communication Disorders, Language and Speech, Scientific Reports, Brain Research, Brain and Language, Language, Cognition and Neuroscience, Neuropsychologia, Frontiers in Psychology, PLoS ONE, Cognition, Journal of Neurolinguistics, Scandinavian Journal of Psychology, Journal of Psycholinguistic Research, Neurobiology of Language, Laboratory Phonology, NeuroImage, Journal of Experimental Psychology: Learning, Memory and Cognition

## **Conference abstracts reviewer**

Boston University Conference of Language Development (annually)

Penn Linguistics Consortium (annually)

The 5th International Conference on Theoretical East Asian Psycholinguistics, Tokyo.