

# JEREMY STEFFMAN

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## EMPLOYMENT

- 2023-  
Lecturer in Phonetics (= Assistant Professor)  
The University of Edinburgh  
Linguistics and English Language  
School of Philosophy, Psychology, and Language Sciences
- 2021-23  
Postdoctoral Research Fellow  
Northwestern University  
Department of Linguistics

## EDUCATION

- December  
2020  
University of California, Los Angeles  
PhD, Linguistics  
Dissertation: *Prosodic prominence in vowel perception and spoken language processing*
- June  
2018  
University of California, Los Angeles  
MA, Linguistics
- May  
2016  
University of California, Berkeley  
BA, Linguistics and French  
*Highest Distinction in Letters & Science*
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## PUBLICATIONS

### JOURNAL ARTICLES

- accepted  
Weller, J., **Steffman, J.**, Cortés, F. & Mantenuto, I. Interactions Between Tone and Voice Quality in San Sebastián del Monte Mixtec Modal & Rearticulated Vowels. *Journal of the International Phonetic Association*.
- 2025  
Zhang, W. & **Steffman, J.** Attentional influences on cue weighting in vowel perception: Examining prosodic prominence and informational masking. *Attention, Perception & Psychophysics*.
- Steffman, J.**, He, M. & Segger-Staveley, S. Examining variability and generalization in dimension based statistical learning for speech: The case of place of articulation. *Journal of the Acoustical Society of America, Express Letters*, 5(6).
- Mayr, R., Montanari, S., **Steffman, J.**, & Baghomian, M. Community language exposure affects voice onset time patterns in Spanish-English bilingual children and functional English monolingual children. *Bilingualism: Language and Cognition*.
- 2024  
Montanari, S., **Steffman, J.** & Mayr, R. English Vowel Perception in Spanish-English Bilingual Preschoolers: Multiple-Talker Input is only Beneficial for Children with High Language Exposure

Levels. *Journal of Speech, Language, and Hearing Research*, 68(9).

**Steffman, J.** & Cole, J. Metrical enhancement in American English nuclear tunes. *Glossa: A journal of general linguistics*, 9(1).

Iskarous, K., Cole, J. & **Steffman, J.** A Minimal Dynamical Model of Intonation: Tone contrast, alignment, and scaling of American English pitch accents as emergent properties. *Journal of Phonetics*, 104, 101309.

**Steffman, J.**, Cole, J. & Shattuck-Hufnagel, S. Intonational categories and continua in American English rising nuclear tunes. *Journal of Phonetics*, 104, 101310.

**Steffman, J.** & Sundara M. Disentangling the role of biphone probability from neighborhood density in the perception of nonwords. *Language and Speech*, 67(1), 166-202.

Faytak, M., & **Steffman, J.** Voiced aspirates with mixed voicing in Yemba, a Grassfields Bantu language of Cameroon. *Journal of the International Phonetic Association*, 54(1) 189-226.

2023

**Steffman, J.** & Sundara, M. Short-term exposure alters adult listeners' perception of segmental phonotactics. *Journal of the Acoustical Society of America, Express Letters*, 3(12).

**Steffman, J.** & Zhang, W. Vowel perception under prominence: Examining the roles of F0, duration and distributional information. *The Journal of the Acoustical Society of America*, 154(4), 2594-2608.

Montanari, S., **Steffman, J.** & Mayr, R. Stop Voicing Perception in the Societal and Heritage Language of Spanish-English Bilingual Preschoolers: The Role of Age, Input Quantity and Input Diversity. *Journal of Phonetics*, 101, 101276.

**Steffman, J.** Vowel-internal cues to vowel quality and prominence in speech perception. *Phonetica*, 80(5), 329-356.

Cole, J., **Steffman, J.**, Shattuck-Hufnagel, S. & Tilesn, S. Hierarchical distinctions in the production and perception of nuclear tunes in American English. *Laboratory Phonology*.

**Steffman, J.** Vowel-initial glottalization as a prominence cue in speech perception and online processing. *Laboratory Phonology*, 14(1), 1-46.

Cortés, F., Mantenuto, I. & **Steffman, J.** San Sebastián del Monte Mixtec. *Journal of the International Phonetic Association*, 53(3), 1182-1203.

2022

**Steffman, J.** & Cole, J. An automated method for detecting F0 measurement jumps based on sample-to-sample differences. *Journal of the Acoustical Society of America, Express Letters*, 2, 115201.

**Steffman, J.**, Kim, S., Cho, T. & Jun, S.-A. Prosodic phrasing mediates listeners' perception of temporal cues: Evidence from the Korean Accentual Phrase. *Journal of Phonetics*, 95, 101156.

Katsuda, H. & **Steffman, J.** Asymmetrical roles of segment and pitch accent in Japanese spoken word recognition. *Journal of the Acoustical Society of America, Express Letters*, 2, 065201.

Sundara, M., Zhou, Z.L., Breiss, C., Katsuda, H. & **Steffman, J.** Infants' developing sensitivity to native language phonotactics: A meta-analysis. *Cognition*, 221, 104993.

2021

**Steffman, J.** & Jun, S.-A. Tonal cues to prosodic structure in rate-dependent speech perception. *The Journal of the Acoustical Society of America*, 150(5), 3825-3837.

**Steffman, J.** Rhythmic and speech rate effects in the perception of durational cues. *Attention, Perception & Psychophysics*, 83(8), 3162-3182.

**Steffman, J.** Contextual prominence in vowel perception: Testing listener sensitivity to sonority expansion and hyperarticulation. *The Journal of the Acoustical Society of America Express Letters*. 1, 045203.

**Steffman, J.** Prosodic prominence effects in the processing of spectral cues. *Language, Cognition and Neuroscience*, 36(5), 586-611.

**Steffman, J.** & Katsuda, H. Intonational structure influences perception of contrastive vowel length: The case of phrase-final lengthening in Tokyo Japanese. *Language and Speech*, 64(4), 839-858.

2019

**Steffman, J.** & Jun, S.-A. Perceptual integration of pitch and duration: Prosodic and psychoacoustic influences in speech perception. *The Journal of the Acoustical Society of America*, 146(3), EL251-EL257.

**Steffman, J.** Phrase-final lengthening modulates listeners' perception of vowel duration as a cue to coda stop voicing. *The Journal of the Acoustical Society of America*, 145(6), EL560-EL566.

**Steffman, J.** Intonational structure mediates speech rate normalization in the perception of segmental categories. *Journal of Phonetics*, 74, 114-129.

2018

**Steffman, J.** Nominal inflection in the Safané dialect of Dafing: Ternary quantity contrasts and morphologically conditioned phonology. *Journal of West African Languages*, 45(1), 89-124.

## PEER-REVIEWED PROCEEDINGS

2025

Marchini, G., & **Steffman, J.** Data-driven approaches to pitch modelling in two Mexican Spanish ethnolects: K-means Clustering & GAMMs. *Proceedings of the 25th INTERSPEECH Conference*.

2024

Weller, J., Faytak, M., **Steffman, J.**, Mayer, C., Teixeira, G. & Tankou, R. Supralaryngeal articulation across voicing and aspiration in Yemba vowels. In *Pushing the boundaries: Selected papers from the 51-52 Annual Conference on African Linguistics (Contemporary African Linguistics 10)*. Berlin: Language Science Press.

Kaland, C. **Steffman, J.**, & Cole, J. K-means and hierarchical clustering of F0 contours. *Proceedings of the 25th INTERSPEECH Conference*.

Cole, J., **Steffman, J.** & Awwad, A. Functional modeling of F0 variation across speakers and between phonological categories: Rising pitch accents in American English. *Proceedings of the 12th International Conference on Speech Prosody*.

**Steffman, J.**, Kim, S., Cho, T. & Jun, S.-A. Speech rate and prosodic phrasing interact in Korean listeners' perception of temporal cues. *Proceedings of the 12th International Conference on Speech Prosody*.

**Steffman, J.** & Cole, J. Comparing the imitation of naturally-produced and synthesized F0 in American English nuclear tunes. *Proceedings of the 12th International Conference on Speech Prosody*.

Iskarous, K., Cole, J. & **Steffman, J.** A stochastic dynamical system for pitch accents and its inversion. *Proceedings of the 12th International Conference on Speech Prosody*.

2023

**Steffman, J.** & Zhang, W. Vowel perception under prominence: Dual roles for F0 and duration. *Proceedings of the International Congress of Phonetic Sciences 2023*.

Cole, J. & **Steffman, J.** Enhancement of intonational contrasts in American English. *Proceedings of the International Congress of Phonetic Sciences 2023*.

Iskarous, K., Cole, J. & **Steffman, J.** American English pitch accent dynamics: A minimal model. *Proceedings of the International Congress of Phonetic Sciences 2023*.

Montanari, S., **Steffman, J.**, Mayr, R., Flores, P. & Feeney, C. Differential perception of vowel and stop contrasts in Spanish-English bilingual preschoolers. *Proceedings of the International Congress of Phonetic Sciences 2023*.

- Torres, C. & **Steffman, J.** Stop voicing in Drehu: Effects of place of articulation, speaker sex, and language attitudes. *Proceedings of the International Congress of Phonetic Sciences 2023*.
- 2022 Chernyak, B. R., Simon, T. B., Segal, Y., **Steffman, J.**, Chodroff, E., Cole, J., & Keshet, J. DeepFry: Identifying Vocal Fry Using Deep Neural Networks. *Proceedings of the 23rd INTERSPEECH Conference*.
- Steffman, J.**, Shattuck-Hufnagel, S. & Cole, J. The rise and fall of American English pitch accents: Evidence from an imitation study of rising nuclear tunes. *Proceedings of the 11th International Conference on Speech Prosody*.
- Cole, J., Tilsen, S. & **Steffman, J.** Shape matters: Machine classification and listeners' perceptual discrimination of American English intonational tunes. *Proceedings of the 11th International Conference on Speech Prosody*.
- 2021 Katsuda, H. & **Steffman, J.** Prominence-boundary interactions in speech perception: Evidence from Japanese vowel length. *Proceedings of the 1st International Conference on Tone and Intonation*.
- Cole, J. & **Steffman, J.** The primacy of the rising/non-rising dichotomy in American English intonational tunes. *Proceedings of the 1st International Conference on Tone and Intonation*.
- Steffman, J.** & Jun, S.-A. Prosodic prominence in speech perception: The influence of focus prosody on the perception of durational and spectral cues. *Proceedings of the 38th annual meeting of the West Coast Conference on Formal Linguistics (WCCFL)*, 406-416.
- 2020 Katsuda, H. & **Steffman, J.** Intonational cues to prosodic boundary influence perception of contrastive vowel length in Tokyo Japanese. *Proceedings of the 10th International Conference on Speech Prosody*, 56-60.
- 2019 **Steffman, J.** & Jun, S.-A. Effects of prosodic structure versus durational context on the perception of segmental categories: The case of focus realization. *Proceedings of the International Congress of Phonetic Sciences 2019*.
- Steffman, J.** Testing the influence of distal rhythmic structure on listeners' perception of durational cues. *Proceedings of International Congress of Phonetic Sciences 2019*.
- Steffman, J.** & Jun, S.-A. Listeners integrate pitch and durational cues to prosodic structure in word categorization. *Proceedings of the annual meeting of the Linguistic Society of America*, 4(1).
- 2018 **Steffman, J.** Listeners are sensitive to prosody in segmental categorization. *Proceedings of the 9th International Conference on Speech Prosody*, 274-278.
- Steffman, J.** Phrase final lengthening modulates categorization of vowel length as a cue to obstruent voicing in English. *Proceedings of Meetings on Acoustics*, 33.
- 2017 **Steffman, J.** Tonal cues to prosodic structure modulate voice onset time categorization. *Proceedings of Meetings on Acoustics*, 31.

## BOOK REVIEWS AND EDITED VOLUMES

- 2021 **Steffman, J.** Review of: Gussenhoven, C. & Chen, A. (Eds.) *The Oxford Handbook of Language Prosody*. *Phonology*, 38(3), 527-533.
- 2016 Rolle, N., **Steffman, J.** & Sylak-Glassman, J. (Eds.) *Proceedings of the Thirty Sixth Annual Meeting of the Berkeley Linguistics Society*, February 6-7, 2010. Berkeley: Berkeley Linguistics Society.

# PRESENTATIONS<sup>1</sup>

## CONFERENCE TALKS

2025

\*Marchini, G., & **Steffman, J.** "Data-driven approaches to pitch modelling in two Mexican Spanish ethnolects: K-means Clustering & GAMMs." Presented at the 26th INTERSPEECH Conference. Rotterdam, The Netherlands. August 17-21.

\*Mayr, R., Montanari, S. & **Steffman, J.** "Voice onset time production by bilingual and functional monolingual children: The role of exposure to a bilingual community." Presented at the International Symposium on Monolingual and Bilingual Speech (ISMBS). Chania, Crete, Greece. June 16-19.

\*Montanari, S., **Steffman, J.** & Mayr, R. "Vowel and stop voicing perception in the heritage and societal language of Spanish-English bilingual children." Presented at the International Symposium on Monolingual and Bilingual Speech (ISMBS). Chania, Crete, Greece. June 16-19.

\*Marchini, G., **Steffman, J.** & Kaland, C. "Clustering methods in the analysis of intonation: The case of focus marking in Afro-Mexican Spanish." Presented at the 3rd International Conference on Tone and Intonation. Herrsching, Germany. May 16-18.

\*Silpachai, A. & **Steffman, J.** "Individual variability in the boundary-induced modulation of stops and tones in Thai." Presented at the 3rd International Conference on Tone and Intonation. Herrsching, Germany. May 16-18.

2024

\*Montanari, S., **Steffman, J.** & Mayr, R. "English vowel perception in Spanish-English bilingual preschoolers: Multiple-talker input is only beneficial for children with high language exposure levels." Presented at the 49th Boston University Conference on Language Development. Boston, MA. November 7-10.

\*Weller, J., **Steffman, J.**, Cortés, F. & Mantenuto, I. "Voice Quality and Tone in San Sebastián del Monte Rearticulated and Modal Vowels." Presented at Sound Systems of Latin America 4. Seattle, WA. November 8-9.

\*Montanari, S., **Steffman, J.**, & Mayr, R. "English Vowel and Stop Voicing Perception in Spanish-English Bilingual Preschoolers." Presented at the Early Language Learning & Multilingual Education Network Conference. Granada, Spain. September 5-6.

\*Mayr, R., Montanari, S., **Steffman, J.**, Umana, I. & Sanchez, L. "VOT production by bilingual and functional monolingual children in a bilingual community." Presented at The 16th International Congress for the Study of Child Language. Prague, Czechia. July 15-19.

\*Montanari, S., **Steffman, J.**, & Mayr, R. "English Vowel and Stop Voicing Perception in Spanish-English Bilingual Preschoolers." Presented at The 16th International Congress for the Study of Child Language. Prague, Czechia. July 15-19.

\*Cole, J., **Steffman, J.** & Awwad, A. "Functional modeling of F0 variation across speakers and between phonological categories: Rising pitch accents in American English." Presented at the 12th International Conference on Speech Prosody. Leiden, The Netherlands. July 2-5.

\*Lapierre, M., De Falco, E., Tosolini, A. & **Steffman, J.** "Acoustic vowel space expansion in Panãra." Presented at LabPhon 19. Seoul, South Korea. June 27-29.

\*Lapierre, M., De Falco, E., Tosolini, A. & **Steffman, J.** "The Acoustics of Panãra Vowels." Presented at the 5th Symposium on Amazonian Languages. Albuquerque. March 29-30.

\***Steffman, J.**, Kim, S., Cho, T. & Jun, S.-A. "Rate dependent speech perception interacts with prosodic phrasing in Korean." Presented at the Colloquium of the British Association of Academic Phoneticians. Cardiff, Wales. March 25-27.

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<sup>1</sup>\*indicates presenting author(s).

\*Montanari S., \***Steffman, J.** & Mayr, R. "Stop Voicing Perception in the Societal and Heritage Language of Spanish-English Bilingual Preschoolers: The Role of Age, Input Quantity and Quality." Presented at the Colloquium of the British Association of Academic Phoneticians. Cardiff, Wales. March 25-27.

2023

\*Montanari, S., **Steffman, J.** & Mayr, R. "Stop Voicing Perception in the Societal and Heritage Language of Spanish-English Bilingual Preschoolers: The Role of Age, Input Quantity and Quality." Presented at the 48th Boston University Conference on Language Development. Boston, MA. November 2-5.

\*Montanari, S., **Steffman, J.** & Mayr, R. "Stop Voicing Perception in the Societal and Heritage Language of Spanish-English Bilingual Preschoolers: The Role of Age, Input Quantity and Quality." Presented at the International Conference on Multilingualism and Multilingual Education (ICMME). Valletta, Malta. October 12-13.

\***Steffman, J.** & Zhang, W. "Vowel perception under prominence: Dual roles for F0 and duration." Presented at the International Congress of Phonetic Sciences 2023. Prague, Czechia. August 7-11.

\*Cole, J. & **Steffman, J.** "Enhancement of intonational contrasts in American English." Presented at the International Congress of Phonetic Sciences 2023. Prague, Czechia. August 7-11.

\*Montanari, S., **Steffman, J.** & Mayr, R. "Developing Speech Perception in Heritage Language Settings: The Case of Stop Consonant Voicing in Spanish-English Bilingual Preschoolers." Presented at the 14th International Symposium on Bilingualism. Sydney, Australia. June 26-30.

\*Mayr, R., Montanari, S. & **Steffman, J.** "An Acoustic Study of Spanish-English Bilingual Speech Sound Production during the Preschool Years." Presented at the 14th International Symposium on Bilingualism. Sydney, Australia. June 26-30.

\***Steffman, J.** & Cole, J. "Metrical enhancement in the realization of nuclear tunes in American English." Presented at the 97th Annual Meeting of Linguistic Society of America. Denver, CO. January 5-8.

\*Weller, J., **Steffman, J.**, Cortés, F. & Mantenuto, I. "Interactions of tone, glottalization, and word shape in San Sebastián Del Monte Mixtec." Presented at the 97th Annual Meeting of Linguistic Society of America. Denver, CO. January 5-8.

2022

\*Weller, J., **Steffman, J.**, Cortés, F. & Mantenuto, I. "Glottalization and tonal contrasts in San Sebastián del Monte Mixtec rearticulated vowels." Presented at the 27th Annual Mid-continental Phonetics and Phonology Conference. Saint Louis, MO. October 8.

\*Cole, J. & **Steffman, J.** "Metrically conditioned enhancement among nuclear tunes in American English." Presented at the 27th Annual Mid-continental Phonetics and Phonology Conference. Saint Louis, MO. October 8.

**Steffman, J.** "Phonetic cues to prominence in segmental perception and online processing: The case of vowel-initial glottalization in American English." Presented virtually at the 18th Conference on Laboratory Phonology. June 23-25.

\*Cole, J., **Steffman, J.**, Cox, L. & Shattuck-Hufnagel, S. "Nuclear Tunes lost and found: Modeling intonational tunes in American English with labeled vs. unlabeled data." Presented virtually at the 18th Conference on Laboratory Phonology. June 23-25.

\*Cole, J., Tilsen, S. & **Steffman, J.** "Shape matters: Machine classification and listeners' perceptual discrimination of American English intonational tunes." Presented at the 11th International Conference on Speech Prosody. Lisbon, Portugal. May 23-26.

2021

\*Cole, J. & **Steffman, J.** "The primacy of the rising/non-rising dichotomy in American English intonational tunes." Presented virtually at the 1st International Conference on Tone and Intonation. Sønderborg, Denmark. December 6-9.

\*Katsuda, H. & \***Steffman, J.** "Prominence-boundary interactions in speech perception: evidence from Japanese vowel length." Presented at the 1st International Conference on Tone and Intonation. Sønderborg, Denmark. December 6-9.

\***Steffman, J.** & Cole, J. "Intonational tunes in imitative speech: Are phonological contrasts maintained?" Presented at the 26th Annual Mid-continental Phonetics and Phonology Conference. Chicago, IL. September 18.

\*Weller, J., Faytak, M., **Steffman, J.**, Mayer, C., Teixeira, G. & Tankou, R. "Tongue root position and laryngeal state in Yemba vowels." Presented virtually at the 52nd meeting of the Association of Contemporary African Linguistics. Gainesville, FL. April 8-10.

\*Faytak, M., **Steffman, J.** & Tankou, R. "Phonetics of voiced aspirates in Yemba (Dschang)." Presented virtually at the 52nd meeting of the Association of Contemporary African Linguistics. Gainesville, FL. April 8-10.

**Steffman, J.** "Prominence effects in vowel perception: Testing sonority expansion and hyperarticulation." Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10.

\***Steffman, J.**, Kim, S., Cho, T. & Jun, S.-A. "Prosodic phrasing is integrated in segmental speech perception: Evidence from the Korean Accentual Phrase." Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10.

\*Katsuda, H. & \***Steffman, J.** "The role of segment and pitch accent in Japanese spoken word recognition." Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10 (First place LSA student abstract award).

\*Faytak, M. & **Steffman, J.** "Mixed voice in Yemba voiced aspirates." Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10.

2020

\*Katsuda, H. & **Steffman, J.** "Intonational cues to prosodic boundary influence perception of contrastive vowel length in Tokyo Japanese." Presented virtually at the 10th International Conference on Speech Prosody. Tokyo, Japan. May 25-28.

\***Steffman, J.** & Jun, S.-A. "Prosodic prominence in speech perception: the influence of focus structure on the perception of durational and spectral cues." Presented at the 38th meeting of the West Coast Conference on Formal Linguistics. Vancouver, BC. March 6-8.

\***Steffman, J.** & Jun, S.-A. "Prosodic cues facilitate speech rate normalization: exploring listener sensitivity to prosody in speech perception." Presented at the 94th annual meeting of Linguistic Society of America. New Orleans, LA. January 2-5.

2019

\***Steffman, J.** & Jun, S.-A. "Effects of prosodic structure versus durational context on the perception of segmental categories: The case of focus realization." Presented at the International Congress of Phonetic Sciences 2019. Melbourne, Australia. August 5-9.

**Steffman, J.** "Distal rhythmic structure and speech rate in perception: exploring prosodic and rate-dependent influences." Presented at the Hanyang International Symposium on Phonetics and Cognitive Sciences of Language (HISPhonCog 2019). Seoul, South Korea. May 24-25.

\***Steffman, J.** & Jun, S.-A. "Listeners integrate pitch and durational cues to prosodic structure in word categorization." Presented at the 93rd annual meeting of Linguistic Society of America. New York, NY. January 3-6.

2018

**Steffman, J.** "Intonational categories and implicit speech rate normalization: evidence for awareness of prosody in rate dependent speech perception." Presented at Experimental and Theoretical Advances in Prosody 4. Amherst, MA. October 11-13.

**Steffman, J.** "Listeners are sensitive to prosody in segmental categorization." Presented at the 9th International Conference on Speech Prosody. Poznań, Poland. June 13-16.

**Steffman, J.** "Intonational structure mediates speech rate normalization in the perception of speech segments." Presented at the Hanyang International Symposium on Phonetics and Cognitive Sciences of Language (HISPhonCog 2018). Seoul, South Korea. May 18-19.

**Steffman, J.** "Linguistically informed rate normalization: Intonational influences on segmental categorization." Presented at the 44th Meeting of the Berkeley Linguistics Society. Berkeley, CA. February 9-11.

## CONFERENCE POSTERS

2025

Marchini, G. & **\*Steffman, J.** "Segmental pre-nuclear peak alignment in two Mexican Spanish ethnolects." Presented at the 6th Phonology and Phonetics in Europe conference (PaPE). Palma de Mallorca, Spain. June 25-27.

\*Awwad, A. & **Steffman, J.** "Examining the interaction between lexical stress and phrasal focus in autistic speech." Presented at the 3rd International Conference on Tone and Intonation. Herrsching, Germany. May 16-18.

\***Steffman, J.**, Kim, S., Cho, T. & Jun, S.-A. "Speech rate and prosodic phrasing effects in temporal processing: testing two Korean contrasts." Presented at the 3rd International Conference on Tone and Intonation. Herrsching, Germany. May 16-18.

2024

\*Kaland, C., **Steffman, J.** & Cole, J. "K-means and hierarchical clustering of F0 contours." Presented at the 25th INTERSPEECH Conference. Kos, Greece. September 1-5.

\***Steffman, J.**, Kim, S., Cho, T. & Jun, S.-A. "Speech rate and prosodic phrasing interact in Korean listeners' perception of temporal cues." Presented at the 12th International Conference on Speech Prosody. Leiden, The Netherlands. July 2-5.

\***Steffman, J.** & \*Cole, J. "Comparing the imitation of naturally-produced and synthesized F0 in American English nuclear tunes." Presented at the 12th International Conference on Speech Prosody. Leiden, The Netherlands. July 2-5.

\*Iskarous, K., Cole, J. & **Steffman, J.** "A stochastic dynamical system for pitch accents and its inversion." Presented at the 12th International Conference on Speech Prosody. Leiden, The Netherlands. July 2-5.

2023

\*Iskarous, K., \*Cole, J. & **\*Steffman, J.** "American English pitch accent dynamics: A minimal model." Presented at the International Congress of Phonetic Sciences 2023. Prague, Czechia. August 7-11.

\*Montanari, S., **\*Steffman, J.**, \*Mayr, R., Flores, P. & Feeney, C. "Differential perception of vowel and stop contrasts in Spanish-English bilingual preschoolers." Presented at the International Congress of Phonetic Sciences 2023. Prague, Czechia. August 7-11.

\*Torres, C. & **\*Steffman, J.** "Stop voicing in Drehu: Effects of place of articulation, speaker sex, and language attitudes." Presented at the International Congress of Phonetic Sciences 2023. Prague, Czechia. August 7-11.

\*Weller, J., **Steffman, J.**, Cortés, F. & Mantenuto, I. "Duration and Lexical Tone in San Sebastián del Monte Mixtec." Presented at the 184th Meeting of the Acoustical Society of America. Chicago, IL. May 8-12.

2022

\*Chernyak, B. R., Simon, T. B., Segal, Y., **Steffman, J.**, Chodroff, E., Cole, J., & Keshet, J. "DeepFry: Identifying Vocal Fry Using Deep Neural Networks." Presented at the 23rd INTERSPEECH Conference. Incheon, South Korea. September 18-22.

\***Steffman, J.**, Shattuck-Hufnagel, S. & \*Cole, J. "The rise and fall of American English pitch accents: Evidence from an imitation study of rising nuclear tunes." Presented at the 11th



International Conference on Speech Prosody. Lisbon, Portugal. May 23-26.

\*Weller, J., **Steffman, J.**, Cortés, F. & Mantenuto, I. "Glottalization and tonal contrasts in San Sebastián del Monte Mixtec rearticulated vowels." Presented virtually at the 95th annual meeting of Linguistic Society of America. Washington, DC. January 6-9.

2021

\*Weller, J. & **Steffman, J.** "Effects of aspiration and voicing on vowel acoustics in Yemba." Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10.

2020

**Steffman, J.** "Prominence effects on the processing of spectral cues: testing sonority expansion in perception." Presented virtually at LabPhon 17. Vancouver, Canada. July 6-8.

\*Faytak M., **Steffman, J.** & Tankou R. "True voiced aspirates in Yemba." Presented virtually at LabPhon 17. Vancouver, Canada. July 6-8.

**Steffman, J.** "Prominence effects on pre-lexical processing: time-course evidence from vowel perception." Presented at the 33rd annual CUNY Conference on Human Sentence Processing. Amherst, MA. March 19-21.

2019

\*Katsuda, H. & **Steffman, J.** "Exploring the influence of intonational structure on perception of contrastive vowel length in Tokyo Japanese." Presented at the 178th Meeting of the Acoustical Society of America. San Diego, CA. December 2-6.

\***Steffman, J.** & Sundara, M. "Biphone probability and neighborhood density effects on phonetic categorization." Presented at the 178th Meeting of the Acoustical Society of America. San Diego, CA. December 2-6.

**Steffman, J.** "Influences of preceding speech rate and prosodic position on listeners' perception of durational cues." Presented at the 178th Meeting of the Acoustical Society of America. San Diego, CA. December 2-6.

**Steffman, J.** "Testing the influence of distal rhythmic structure on listeners' perception of durational cues." Presented at the International Congress of Phonetic Sciences 2019. Melbourne, Australia. August 5-9.

**Steffman, J.** "Distal rhythmic patterns influence listeners' processing of phonetic cues." Presented at the 32nd Annual CUNY Conference on Human Sentence Processing. Boulder, CO. March 29-31.

2018

**Steffman, J.** "Contextual effects of duration and F0 on segmental categorization: Intonation matters." Presented at LabPhon 16. Lisbon, Portugal. June 19-22.

**Steffman, J.** "Listeners compensate for prosodic position when categorizing word-final obstruents." Presented at the 175th Meeting of the Acoustical Society of America. Minneapolis, MN. May 7-11.

2017

**Steffman, J.** "F0 as a cue to prosodic structure in voice onset time categorization." Presented at the 174th Meeting of the Acoustical Society of America. New Orleans, LA. December 4-8.

## INVITED TALKS

2025

**Steffman, J.** "Prosody in spoken language comprehension: The view from segmental perception." Presented at the Association for Laboratory Phonology 2025 Programming on Prosody and Suprasegmentals talk series. August 7.

**Steffman, J.** "Intonational melodies' stability, enhancement, and collapse: What can imitation studies tell us?" Presented at the Cologne Center of Language Sciences (CCLS) Lecture series. June 30.

2024

**Steffman, J.** "Rate dependent speech perception interacts with prosodic phrasing in Korean." Presented at the Hanyang Institute for Phonetics and Cognitive Science HisPhonCog 2024. March

21.

**Steffman, J.** "Processing prosody in speech perception: Tests in the spectral and temporal domain." Presented at The University of Edinburgh Linguistics Circle. February 15.

**Steffman, J.** "Processing prosody in segmental speech perception: Tests in the spectral and temporal domain." Presented at the Hong Kong Polytechnic University Research Centre for Language, Cognition and Neuroscience talk series. January 24.

2023

**Steffman, J.** "K-means clustering for time-series data: An illustration with intonational tunes." Presented at *Cluster analysis on f0 contours: advantages, pitfalls, challenges*, hosted by LingLabs, University of Konstanz. November 10.

**Steffman, J.** "Intonational tunes and enhancement in an imitative speech production paradigm." Presented at the University of Glasgow Phonetics Lab Lunch. October 5.

**Steffman, J.** "Exploring enhancement as a lens into intonational categories." Presented at the Cambridge University Phonetics and Phonology Seminar. June 27.

**Steffman, J.** "Biphone probabilities are rapidly updated in speech perception." Presented at the P-Workshop at The University of Edinburgh. May 23.

2022

\*Cole, J. & **Steffman, J.** "Intonational encoding in memory representations: Imitating nuclear tunes in American English." Presented at the GRadiance in Intonation (GRIN) workshop, Speech Prosody 2022. May 27.

**Steffman, J.** "Prosodic prominence in speech perception." Research talk presented virtually at The University of Edinburgh. May 11.

**Steffman, J.** "Integrating prosodic prominence in speech perception: Studies in the perception of segmental contrasts." Presented virtually at the Harvard University Linguistics colloquium series. February 25.

\*Cole, J. & **Steffman, J.** "Modeling intonational tunes in American English with labeled vs. unlabeled data." Presented virtually at the Northwestern University Phonatics talk series. January 26.

2021

**Steffman, J.** "Integrating prosodic context in speech perception." Presented virtually at the Northwestern University Phonatics talk series. April 28.

**Steffman, J.** "Integrating prosodic context in speech perception." Presented virtually at the Rutgers Prosody Lab. March 30.

**Steffman, J.** "Prosodic context in speech perception." Presented virtually at the UCLA Linguistics colloquium series. February 19.

2019

**Steffman, J.** "Exploring rhythmic effects in speech perception." Presented at the UC Santa Barbara phonetics seminar. Santa Barbara, CA. May 10.

**Steffman, J.** "Prosody mediates listeners' perception of durational cues." Presented at UC Berkeley phonetics and phonology forum. Berkeley, CA. February 25.

2016

**Steffman, J.** "Prosodic transfer: A phonetic study of L2 English prosody produced by L1 French speakers." Presented at UC Berkeley phonetics and phonology forum. Berkeley, CA. March 14.

## GRANT FUNDING

2025-27

Specificity and generalisation in biphone-based learning in speech perception. British Academy/Leverhulme Small Research Grant (SRG 2425/250068).

2024-25

	Discourse-context-based prominence effects in the perception of durational information in speech. The University of Edinburgh, PPLS Small Project Research Grant .
2023-24	Talker specificity and generalisation in biphone learning in speech perception. The University of Edinburgh, PPLS Small Project Research Grant.
2021-25	Speech sound perception and production in Spanish/English bilingual preschoolers (NIH R15 DC019493). PI: Simona Montanari; Role: Consultant
2021-23	Memory and context effects on representations of variation in phrasal intonation (NSF BCS-1944773). PI: Jennifer Cole; Role: Postdoctoral researcher

## FELLOWSHIPS AND OTHER AWARDS

2025	Senior Prominence Fellowship. CRC 1252, The University of Cologne. Associated with project A01 - Intonation and attention orienting: Neurophysiological and behavioural correlates.
2020	Ladefoged Scholarship, UCLA Dept. of Linguistics (\$600)
2020-21	Dissertation Year Fellowship, UCLA Graduate Division (\$20,000)
2019-20	Mellon Pre-Dissertation Fellowship (\$7,915)
2019	IPA Student Travel Award, ICPHS 2019 (£600)
2018-19	Graduate Research Mentorship Fellowship, UCLA Graduate Division (\$20,000)
2018	Graduate Summer Research Mentorship Fellowship, UCLA Graduate Division (\$6,000)
2017	Graduate Summer Research Mentorship Fellowship, UCLA Graduate Division (\$6,000)
2015	UC Berkeley Paul Brun Memorial Scholarship (\$1,573)

Eugénie Henderson Prize (best oral presentation), awarded at BAAP 2024  
 First place LSA Student Abstract Award 2021 (with Hironori Katsuda)  
 Citation for Outstanding Achievement in the Major, UC Berkeley Linguistics  
 Departmental Certificate, UC Berkeley French  
 Phi Beta Kappa & Dean's List Honors, UC Berkeley

## PROFESSIONAL ACTIVITIES

journal reviewing	Attention, Perception and Psychophysics; Brain Sciences; Canadian Journal of Linguistics; Glossa; Glossa Psycholinguistics; Journal of the Acoustical Society of America; Journal of Cognition; Journal of English Linguistics; Journal of the International Phonetic Association; Journal of Memory and Language; Journal of Phonetics; Journal of West African Languages; Laboratory Phonology; Language Awareness; Language, Cognition and Neuroscience; Language and Speech; Lingua; Nature Scientific Reports; Speech Communication; Studies in Second Language Acquisition; Phonetica; Phonological Data and Analysis; Quarterly Journal of Experimental Psychology
conference reviewing	Colloquium of the British Association of Academic Phoneticians, International Congress of Phonetic Sciences, INTERSPEECH, LabPhon, Annual Meeting of the Linguistic Society of America, Southern California Undergraduate Linguistics Conference, Speech Prosody, Tone and Intonation
membership	Acoustical Society of America, Association for Laboratory Phonology, British Association of Academic Phoneticians, International Phonetic Association, Psychonomic Society

# TEACHING

## THE UNIVERSITY OF EDINBURGH

Flexibility and Adaptation in Speech Perception (guided research seminar; 2024,2025)  
Speech Production and Perception (perception module; 2024,2025)  
Discourse analysis (prosody module; 2024)  
Phonetics and Laboratory Phonology (2023,2024)  
Introduction to Phonology and Phonetics (MSc; 2024)  
Introduction to Phonology (MSc; 2023)

## UCLA

2020	College Teaching of Linguistics (LING 495). Role: Instructor.
2019	Phonology I (LING 120A). Role: Instructor.
2020	Experimental Phonetics (LING 104). Role:TA; Instructor: Sun-Ah Jun.
2019	Introduction to Applied Phonetics (LING 102). Role:TA; Instructor: Megha Sundara.
2018	Phonological Structures (LING 119A). Role:TA; Instructor: Meredith Landman.
2018	Phonology II (LING 165A). Role:TA; Instructor: Roslyn Burns.
2017	Introduction to Linguistic Analysis (LING 20). Role:TA; Instructor: Dylan Bumford.

## WORKSHOPS

Jun 2024	"The post-PhD academic job: Preparing for and thinking about the academic job market". Workshop at The University of Edinburgh PG conference.
Apr 2024	"Workshop on Experimental Phonetics Tools." With Stefano Coretta; Workshop at The University of Edinburgh.
Jan 2022	"Using VoiceSauce for voice quality research." Workshop in Northwestern's Prosody and Speech Dynamics Lab
Aug 2021	"Modeling intonational tunes with Generalized Additive Mixed Models." Workshop in Northwestern's Prosody and Speech Dynamics Lab
Jul 2019	"EGG as a tool in phonetic data analysis." Workshop held in UCLA's Field Methods (LING 160)