

Christina Bjorndahl | CV

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Academic Appointments

Carnegie Mellon University

Assistant Teaching Professor 2022 – present
Member (courtesy), Neuroscience Institute

Carnegie Mellon University

Visiting Assistant Teaching Professor 2021 – 2022

Carnegie Mellon University

Special Faculty 2014 – 2021

- Teaching & Linguistic Pedagogy (2019 – 2021)
- Adjunct (2018 – 2019)
- Visiting scholar (Instructor) (2014 – 2018)

Education

2018: Ph.D. Linguistics, Cornell University

- *A Story of /v/: Voiced Spirants in the Obstruent-Sonorant Divide*
- Draga Zec (chair), Abby Cohn, and Mats Rooth

2008: M.A. Linguistics, University of Toronto

- *The Phonetics and Phonology of Esan Nasal Harmony*
- Keren Rice (advisor); Yoonjung Kang

2007: B.Sc. Mathematics & Linguistics, University of Toronto

Research: Pedagogy

Publications.....

to appear: Bjordahl, C., Blaylock, R., Bradley, E. D., Bunger, A., Denham, K., Grieser, J., Hiramatsu, K., Leonard, W. Y., Temkin Martinez, M., and Wolter, L. "Increasing Justice, Equity, Diversity, and Inclusion in Linguistics through Small Teaching." *American Speech*.

2022: Bjordahl, C. and Gibson, M. "The C.A.R.E. Approach to Incorporating Undergraduate Research in the Phonetics/Phonology Classroom." *Language: Teaching Linguistics*.

2021: Bjordahl, C. "Using a Class Wiki to Facilitate Community and Linguistic Inclusivity." *Proceedings of the LSA: Special Issue – Scholarly Teaching in the Age of COVID and Beyond*.

Invited Talks, Presentations, and Posters.....

2024: "Linguistics in Higher Education: The next 100 years", *Linguistic Society of America 2024 Annual Meeting Organized Session*. January.

- o Co-organizer with Kristin Denham.

2023: "Thriving as an Early-Career Faculty Member." *Linguistic Society of America 2023 Annual Meeting Mini-course*. January.

- o Co-instructor with Iara Mantenuto and Miranda McCarvel on Scholarly Teaching as part of mini-course organized by Ann Bunger, Michal Temkin Martinez, and Miranda McCarvel.

2022: "Tackling Language Prejudice in the Introductory Linguistics Classroom." *Linguistic Society of America 2022 Annual Meeting Organized Session: Public Understanding of Linguistics*. January.

- o Invited by Laura Wagner (organizer for session); proposal for session peer reviewed.

2022: "Small teaching toward justice, equity, diversity and inclusion in linguistics", *Linguistic Society of America 2022 Annual Meeting Organized Session*. January.

- o Co-organizer and presenter with Kazuko Hiramatsu, Michal Temkin Martínez, Reed Blaylock, Ann Bunger, Kristin Denham, Jessi Grieser, Wesley Y. Leonard, Michael Rushforth, and Lynsey Wolter.

2021: "Small teaching in a big way: (Re)conceptualising phonological pedagogy using evidence-based practices." *Annual Meeting on Phonology 2021: Workshop on Teaching Phonology*. (Invited). October.

2021: "Scholarly Teaching in the Age of Covid-19 and Beyond", *Linguistic Society of America 2021 Annual Meeting Organized Session*. January.

- Co-organizer and panelist with Kazuko Hiramatsu, Michal Temkin Martínez, Reed Blaylock, Evan Bradley, Ann Bunger, Kristin Denham, Jessi Grieser, Wesley Y. Leonard, Michael Rushforth, Taylor Sharp, Rosa Vallejos, and Lynsey Wolter. **2021:** “Using a Class Wiki to Facilitate Community and Linguistic Inclusivity.” (online presentation and poster) *Linguistic Society of America 2021 Annual Meeting Organized Session: Scholarly Teaching in the Age of Covid-19 and Beyond*. Viewable at: <https://lingscholarlyteaching.wordpress.com/2021/01/07/poster-a1/>. January.
- 2019:** “Laboratory Phonology in the Phonetics/Phonology Classroom.” *Manchester Phonology Meeting, Fringe Session, ‘Teaching Phonology: State of the Art’*, May, Manchester, UK.
- with Mark Gibson

Pedagogical Projects.....

invited; in prep.: Bjorndahl, C. “Phonological Pedagogy.” Kennedy, Robert and Strycharczuk, Patrycja (Eds.), *Cambridge Elements in Phonology*.

2020: Collaboration on resource page for the Linguistic Society of America, with Faculty Learning Community on the Scholarship of Teaching and Learning for Linguists, viewable at: <https://tinyurl.com/ScholarlyTeachingInLinguistics>. August.

- Collaboration with Reed Blaylock, Evan Bradley, Ann Bunger, Kristin Denham, Jessi Grieser, Kazuko Hiramatsu, Wesley Y. Leonard, Michael Rushforth, Taylor Sharp, Michal Temkin Martínez, Rosa Vallejos, and Lynsey Wolter.

2020: Eberly Center *Signature Course* initiative for 80-180 *Nature of Language*.

- Ongoing work to develop *Online Learning Initiative* (OLI) modules to enhance existing courses as part of CMU’s Covid-19 response, with Mandy Simons and Thomas Werner.

2020: Creation of wiki as part of both the *Signature Course* initiative and the *Provost’s Inclusive Teaching Fellowship* to incorporate issues of Justice, Equity, Diversity, and Inclusion into the introductory (linguistics) classroom.

- Wiki implemented in pmwiki by Will Nalls, with plans to release it for public use.

2020: Organizer of satellite workshop at LabPhon 17 *Pedagogical Approaches to Laboratory Phonology*. July.

- with Mark Gibson and Jonathan Howell

2019 – 2020: Member of the inaugural *Faculty Learning Committee*, part of the NSF-funded, *Linguistic Society of America* initiative in the *Scholarship of Teaching and Learning (SoTL)*, the goal of which is to build capacity for scholarly teaching

and SoTL within Linguistics.

- PIs: Kazuko Hiramatsu and Michal Temkin Martínez.

Campus Talks: Eberly Center “Teaching & Learning Summits”

2021: “Getting students to like group work.” *Lighting Roundtable Session*.

2018: “Using Gradescope to streamline grading in large classes.” *Technology Enhanced Learning Demonstration*.

2017: “How Can You Use Active Learning And iClickers To Make A Large Lecture Feel Like A Small Class?” *Quickfire Interactive Talks*.

Research: Linguistics

Publications.....

2023: Coretta, S., Casillas, J. V., ... **Bjorndahl, C.**, ... Roettger, T. B. “Multidimensional signals and analytic flexibility: Estimating degrees of freedom in human speech analyses.” *Advances in Methods and Practices in Psychological Science*.

- This project was carried out by Stefano Coretta, Joseph V. Casillas, and Timo B. Roettger to assess researcher degrees of freedom in acoustic analysis of speech data. There are therefore 140 authors on the project, and I do not list them all here; I list only the project organisers, who are the first two authors and the last author; all other authors are listed alphabetically. Relevantly, I worked with Beth MacLeod, Natasha Warner, and Seth Wiener as an analysis team.

2022: **Bjorndahl, C.** “Voicing and frication at the phonetics-phonology interface: An acoustic study of English, Greek, Serbian, and Russian.” *The Journal of Phonetics*.

- Winner of the Journal of Phonetics *Early Career Research Award* 2022.

2015: **Bjorndahl, C.** “The Phonetics and phonology of segment classification: A case study of /v/.” In *The Segment in Phonology and Phonetics*, Cairns, C. and Raimy, E.

2013: **Bjorndahl, C.** “Phonetic properties of [v] in Russian, Serbian and Greek.” *Proceedings of Meetings on Acoustics* 19.

2012: Tilsen, S., Zec, D., **Bjorndahl, C.**, Butler, B., L’Esperance, M., Fisher, A., Heimisdottir, L., Renwick, M., and Sanker, C. “A Cross-linguistic Investigation of Articulatory Coordination in Word-initial Consonant Clusters.” *Cornell Working Papers in Phonetics and Phonology* 51–81.

Invited Talks, Presentations, and Posters.....

2020: “Manner matters: Fricatives block V-to-V coarticulation more than oral and nasal stops.” (poster) *Linguistics Society of America 2020 Annual Meeting*, January 2–5, New Orleans, Louisiana, USA.

○ with Mark Gibson and Kade Stewart

2018: “Peering into the Obstruent-Sonorant Divide: The view from /v/.” (Invited) *North American Phonology Conference*, May 4, Montreal, Canada.

2016: “The Typology of Voiced Spirants and the Emergence of [sonorant].” (presentation) *Manchester Phonology Meeting*, May 28, Manchester, UK.

2015: “Ambiguity at the Interface: Asymmetries in Voicing Assimilation and the Case of Russian /v/.” (presentation) *University of Pittsburgh Linguistics Department Colloquium*, October 23, Pittsburgh, USA.

2015: “Triggers and targets in voicing assimilation: The inevitability of Russian /v/.” (presentation) *Montreal-Ottawa-Laval-Toronto Phonology and Phonetics Conference (MOLT 2015)*, March 13–15, Toronto, Canada.

2015: “The cross-linguistic phonological and phonetic identity of /v/.” (presentation) *12th Old World Conference in Phonology (OCP 12)*, January 28–30, Barcelona, Spain.

2013: “The phonetic properties of [v] in Russian, Serbian and Greek.” (poster) *21st International Congress on Acoustics 2013 (ICA 2013)* June 2–7, Montreal, Canada.

2012: “The Phonology and Phonetics of Ambiguity: A Case Study of /v/.” (poster) *The 13th Conference on Laboratory Phonology (LabPhon 13)*, July 27–29, Stuttgart, Germany.

2012: “The Phonology and Phonetics of Ambiguity: A Case Study of /v/.” (presentation) *CUNY Conference on the Segment*, January 11–13, New York, USA.

Campus Talks.....

2015: “Intermediacy, Ambiguity and Categorization at the Phonetics-Phonology Interface.” (presentation) *Carnegie Mellon Psychology Department Brown Bag (PAL)*, March 21, Pittsburgh, USA.

Other Publications

2010: Bjorndahl, C. and Karshon, Y. (2010). “Revisiting Tietze-Nakajima: Local and global convexity for maps.” *Canadian Journal of Mathematics* 62 (5), 975–993.

Teaching

F = fall; S = spring. Where two course codes are given for a given course, the higher number represents a graduate course code.

Nature of Language (PHI 80180)

- F17, F18, S19, F19, F20, S21, S22, F22, S24

Words and Word Formation: Intro. to Morphology (PHI 80286/80786)

- F15, F16, F18, F20, F21, F22

Language Variation and Change (PHI 80287)

- S20 with B George, F21, F23

Intonation: Transcription and Analysis (PHI 80288)

- S18 with Mandy Simons

Phonetics and Phonology II (PHI 80382/80682)

- F14, S16, S17, S19, S21, S23

Linguistic Typology: Diversity and Universals (PHI 80388)

- F19, F21

Acoustics of Human Speech: Theory, Data, & Analysis (PHI 80488/80788)

- S20, S22, S24

Fellowships, Awards, and Honours

2022: Winner of the *Journal of Phonetics Early Career Research Award 2022* for the paper “Voicing and frication at the phonetics-phonology interface: An acoustic study of English, Greek, Serbian, and Russian.”

2022: Falk Research Grant (CMU) to set up laboratory for acoustic analysis (\$5000)

2020 – 2021: Carnegie Mellon University: *Provost’s Inclusive Teaching Fellowship* to diversify course content (\$5000)

2011 – 2012: Social Sciences and Humanities Research Council (SSHRC): Doctoral Fellowship, (\$20,000)

2008: Cornell University: Sage Fellowship, (2 years funding and stipend)

Advising

Graduate.....

2020 – present: Raymond Xia (Electrical and Computer Engineering), “Phonetically-Guided Speech Enhancement Using Deep Neural Networks”

- PhD committee member

Undergraduate.....

2023 – present: Anna Keresztesy, “Social categorization and implicit biases of dialectal markers in varieties of spoken Arabic”

- Linguistics Senior Thesis

2022 – 2023: Jackson Blankenship, “The German Dorsal Fricative: An Acoustic Exploration of Gemination and Allophony”

- Linguistics Senior Thesis

2022 – 2023: Eliana Fleischer, Title “Acoustic Realizations of the Front-mid Vowel Contrast in College-Aged L1 Speakers of Seoul Korean”

- Linguistics Senior Thesis

2019 – 2020: Elizabeth Sulkin, “Russian Elision as a Phonologically Conditioned Process”

- Dietrich College Senior Honors Program

Fall 2018: Katherine Zhang, “A Cross-linguistic Comparison of the L2 Acquisition of VOT contrasts”

- Linguistics Senior Thesis

Spring 2016: Caitlin Lohman, “Stability of Retroflex Stop Articulation in Hindi”

- Linguistics Senior Thesis

Service

Department Service.....

2021 – present: Supervising graduate student teaching in the Department of Philosophy

- with Joel Smith

Disciplinary Service.....

2024: Chair of the *Linguistics in Higher Education Committee* with the Linguistic Society of America

2023: Co-chair of the *Linguistics in Higher Education Committee* with the Linguistic Society of America

August 2022: Coauthor on the *LSA Statement on the Scholarly Merit of the Scholarship of Teaching and Learning (SoTL)*

- With Kristin Denham, Sharon Klein, Michael Rushforth, Michal Temkin Martínez, and approved by the Linguistics in Higher Education Committee

2021 – present: Member of the *Linguistics in Higher Education Committee* with the Linguistic Society of America

2021 – present: Member and co-founder of the *Scholarly Teaching in Linguistics Special Interest Group (SIG)* with the Linguistic Society of America

Journal Reviewing.....

Language: Teaching Linguistics (2020)

Journal of Phonetics (2021, 2022)

Isogloss (2022)

Canadian Journal of Linguistics (2022)

Journal of Linguistics (2023)

Cogent Education (2023)

Conference Reviewing.....

Linguistic Society of America Annual Meetings (2022, 2023)

Annual Meeting in Phonology (2022)

Professional Affiliations

Linguistic Society of America

Association for Laboratory Phonology