

# Robin Park Karlin

Postdoctoral Fellow  
Waisman Center  
UW-Madison

January 10, 2022  
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## Employment

- 2019 - present      **Waisman Center, UW-Madison**  
Postdoctoral fellow  
PI: Benjamin Parrell
- 2018 - 2019      **Department of Linguistics, Rutgers University**  
Visiting assistant professor

## Education

- 2018      **Ph.D. in Linguistics**, Cornell University  
Minor in Southeast Asian studies  
**Dissertation:** Towards an articulatory model of tone: a cross-linguistic investigation  
**Committee:** Draga Zec (chair); Abigail Cohn, Mats Rooth (minor members); Elizabeth Zsiga (external member)
- 2015      **MA in Linguistics**, Cornell University
- 2012      **Bachelor of Arts**, University of Wisconsin—Madison  
Linguistics  
Psychology  
Spanish Literature

## Awards and grants

- 2021 - 2023      NIH F32 postdoctoral fellowship F32DC019535: “Differential contributions of domain-general cerebellar timing mechanisms to temporal deficits in ataxic dysarthria”
- 2020 - 2021      NIH T32 training grant 5T32DC005359-15 (PI: Caroline A. Niziolek)
- 2018      Student travel award (LabPhon16)
- 2018      IPA student award (LabPhon16)
- 2016 - 2017      Sage Fellowship
- 2014, 2015, 2016, 2017      Travel grant (Cornell University, graduate school)
- 2016      IPA student award (TIE 2016)
- 2015-2016      Foreign Language and Area Studies for Burmese
- 2015      LSA Summer Studies Institute Fellowship
- 2012 - 2013      Sage Fellowship
- 2012      Foreign Language and Area Studies for Thai

## Papers

- in prep* (with Benjamin Parrell) The neural mechanisms of speech timing: the state of the field
- in press* Karlin, R. Expanding the gestural model of lexical tone: evidence from two dialects of Serbian. *Journal of Laboratory Phonology*
- 2021 Karlin, R., Naber, C., and Parrell, B. Auditory feedback is used for adaptive control of timing in speech. *Journal of Speech, Language, and Hearing Research*. <https://doi.org/10.1044/2021-JSLHR-21-00021>
- 2021 Karlin, R. Finnish inserted vowels: a case of phonologized excrescence. *Nordic Journal of Linguistics*. <https://doi.org/10.1017/S033258652100007X>
- 2018 Karlin, R. Effects of syllable onset on the timing of pitch accent in Belgrade Serbian. *Proceedings of the Linguistic Society of America*, 36:1 - 15. <https://doi.org/10.3765/plsa.v3i1.4324>
- 2015 Karlin, R. Second mora lengthening in the Savo and Pohjois-Pohjanmaa dialects of Finnish. *Cornell Working Papers in Phonetics and Phonology*, 121 - 138.
- 2015 Karlin, R. and Tilsen, S. The articulatory tone-bearing unit: Gestural coordination of lexical tone in Thai. *Proceedings of Meetings on Acoustics*. <https://doi.org/10.1121/2.0000089>
- 2015 Tilsen, S., Spincemaille, P., Wang, Y., Xu, B., Doerschuk, P., Luh, W., Karlin, R., Yi, H., and Feldman, E. A real-time MRI investigation of anticipatory posturing in prepared responses. *Proceedings of Meetings on Acoustics*. <https://doi.org/10.1121/2.0000006>
- 2014 Karlin, R. The articulatory TBU: Gestural coordination of lexical tone in Thai. *Cornell Working Papers in Phonetics and Phonology*, 124 - 129.

## Presentations

### Invited talks

- 2021 **Effects of phonological structure on speech motor control of timing**  
Invited colloquium at Institut für Phonetik und Sprachverarbeitung, November 24
- 2021 **The domain generalizability of cerebellar timing mechanisms: a preliminary study**  
Invited talk at Brain and Bagels seminar at University of Wisconsin-Madison, April 16
- 2019 **Towards an articulatory model of tone: an investigation on two dialects of Serbian**  
Invited colloquium at University of Wisconsin-Madison, July 1
- 2019 **Phonology in phonetics and phonetics in phonology: interactions between tones and segments**  
Invited colloquium at Rutgers University, March 29
- 2019 **The interface between phonetics and phonology: the case of Finnish vowel insertion**  
Invited teaching seminar at Rutgers University, March 28

## Refereed presentations

- upcoming*      **Adaptation to auditory perturbations of consonant duration in syllable onset is modulated by phonemic category boundaries**  
*Karlin, R.* and Parrell, B. Talk, Conference on Motor Speech 2022, February 17 - 20
- 2020      **Auditory feedback is used for both online and adaptive control of timing in speech**  
*Karlin, R.*, Naber, C. and Parrell, B. Poster, International Seminar on Speech Production (ISSP 12), December 14 - 18
- 2020      **Adaptation in vowels for real-time temporal perturbation**  
*Karlin, R.*, Naber, C. and Parrell, B. Poster, Acoustical Society of America (ASA 179), December 8 - 12
- 2020      **Perceptual evidence for the representation of English coda voicing**  
Sanker, C. and *Karlin, R.*, Talk, Linguistic Society of America (LSA 2020), January 2 - 5
- 2019      **Extending the articulatory model of tone: the case of Valjevo Serbian**  
Poster, Manchester Phonology Meeting (MFM27), May 23 - 25
- 2018      **Phonetic evidence for the phonological association of rising pitch accents in Valjevo Serbian**  
Poster, LabPhon16, June 19 - 22
- 2018      **Effects of syllable onset on the timing of pitch accent in Belgrade Serbian**  
Talk, Linguistic Society of America (LSA 2018), January 4 - 7
- 2017      **The role of targets and timing in tonal representation**  
Talk, Linguistic Society of America (LSA 2017), January 5 - 8
- 2016      **The independence of the timing of tones and tone-bearing units: a study on Thai**  
Talk, Tone and Intonation in Europe 2016, September 1 - 3
- 2015      **The coordination of tone gestures in Thai**  
Talk, Manchester Phonology Meeting (MFM23), May 28 - 30
- 2014      **The articulatory TBU: Gestural coordination of lexical tone in Thai**  
With S. Tilsen, Poster, Acoustical Society of America (ASA 168), October 27 - 31
- 2014      **Some people are eager to be heard: anticipatory posturing in speech production**  
Tilsen, S., Spincemaille, P., Xu, B., Doerschuk, P., *Karlin, R.*, Yi, H., Feldman, E., Luh, W., Wang, Y., Poster, Acoustical Society of America (ASA 168), October 27 - 31
- 2014      **Finnish dialectical vowel epenthesis: Two distinct types of vowel insertion**  
Talk, Manchester Phonology Meeting (MFM22), May 28 - 31
- 2012      **Diphthong and Tone Alignment in Conversational Thai Speech**  
Talk, Southeast Asian Studies Summer Institute Student Conference.

## Teaching experience

### UW-MADISON

- **Co-developer** (with Sarah Bakst), BLAB and SMAC Intro to Computing (basic introduction to Git and Matlab)

### RUTGERS UNIVERSITY

- **Instructor**, Linguistics 451: Phonetics. Spring 2019
- **Instructor**, Linguistics 201H: Introduction to Linguistic Theory (honors). Spring 2019
- **Instructor**, Linguistics 520: Phonology III (graduate seminar in Articulatory Phonology). Fall 2018
- **Instructor**, Linguistics 315: Phonology. Fall 2018

### CORNELL UNIVERSITY

- **Teaching assistant**, Psychology 2090: Developmental Psychology. Spring 2018 (Instructor: Jennifer Schwade)
- **Instructor**, Linguistics 1100 (First-year writing seminar): Language, Mind and Brain: How to Build a Language. Spring 2014, Fall 2014, Fall 2017
- **Teaching assistant**, Linguistics 3302: Introduction to Phonetics and Phonology. Spring 2015 (Instructor: Sam Tilsen)
- **Teaching assistant**, Linguistics 1101: Introduction to Linguistics. Fall 2013 (Instructor: Sarah Murray)

## Advising and mentorship

### UW-MADISON

- **Riya Patel**, co-mentor with Benjamin Parrell, research project for BIO 152, Sophomore Research Fellowship (UW-Madison internal fellowship). Spring 2021.

### RUTGERS UNIVERSITY

- **Nate Koser**, 2018-2019. Qualifying paper committee (minor member), Rutgers University.
- **Chris Oakden**, 2018-2019. Qualifying paper committee (minor member), Rutgers University.

## Service

### Volumes edited

- 2016: **FASL 25**, co-editor of proceedings
- 2015: **CWP3**, Cornell Working Papers in Phonetics and Phonology, co-editor

### Conference organizing committees

- 2015-2016: **LabPhon15**, member of organizing committee
- 2015-2016: **FASL 25**, member of organizing committee

### Cornell Linguistics Circle (department graduate student group)

- 2015-2017: Organizer of coffee and conversation hour
- 2013-2015: Treasurer
- Spring 2013: Prospective Student Weekend Co-Coordinator
- 2012-2013: Librarian

### Outreach

- Spring 2015: Led a short course on perception for 7th-12th graders at Splash! at Cornell

## Skills

### Languages

|              |  |
|--------------|--|
| NATIVE       | English                                      |
| ADVANCED     | Spanish                                      |
| INTERMEDIATE | French, Finnish                              |
| BEGINNER     | Serbian, Thai, Burmese                       |
| RESEARCH     | Thai, Serbian, Finnish, S'Gaw Karen, Burmese |

### Computing and experimental methodologies

|                 |   |
|-----------------|---|
| PROFICIENT      | Acoustic methods, electromagnetic articulography (NDIWave system), Audapter (altered auditory feedback), Gorilla<br>Praat, Praat scripting, Matlab, R, Git<br>L <sup>A</sup> T <sub>E</sub> X(Beamer, Bibtex), Microsoft Office |
| SOME EXPERIENCE | PsychoPy, Python, E-Prime, Unix shell scripting, Javascript, C++  |