Kevin B. McGowan

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Education

Ph.D. Linguistics, University of Michigan, 2006–2011
> Dissertation: *The Role of Socioindexical Expectation in Speech Perception*
> Patrice Speeter Beddor & Steven P. Abney, co-chairs
> Julie Boland, Benjamin Munson, & Robin Queen, readers

Linguistic Institute, Stanford University, 2007

B.A. Linguistics, University of Michigan, 1996

Employment

Associate Professor, Department of Linguistics, University of Kentucky, 2021–

Assistant Professor, Department of Linguistics, University of Kentucky, 2015–2021

Postdoctoral Scholar, Department of Linguistics, Stanford University, 2013–2015

Lecturer, Department of Linguistics, Rice University, 2011–2013

Tech Lead, Web Production & Database Services Team Lead (UM Webmaster), Information Technology Division, University of Michigan, 1997–2007

Professional Experience

Invited Faculty, LSA Summer Institute, "Speech Perception", UC Davis, 2019

Invited Faculty, LSA Summer Institute, "Eye tracking for linguistics research" and "Doing Phonetics Research", Lexington, 2017

Invited Instructor, LSA Annual Meeting, "Introduction to Praat", Portland, 2015

Invited Faculty, LSA Summer Institute, "Praat Scripting", Ann Arbor, 2013

Journal Assistant, *Language Learning Journal*, Blackwell Publishing, 2007–2010

Research Assistant, Professor Patrice S. Beddor, Michigan Phonetics & Phonology Laboratory, 2009–2010

Research Assistant, Professors Patrice S. Beddor & Andries Coetzee, Michigan Phonetics & Phonology Laboratory, 2007–2008

Undergraduate Research Assistant, Professor Richard W. Bailey, Department of English, University of Michigan, 1993–1994

Publications

Laycock, K. & McGowan, K.B. (in prep) Removing the disguise: the matched guise technique and listener awareness. *Journal of Sociolinguistics*.

McGowan, K.B. (in press) Speech Perception. In *Sociophonetics: Implications for Phonetics and Phonology*, ed. by Lauren Hall-Lew and Jennifer Nycz. Oxford University Press

Barrett, E.R., Cramer, J., and McGowan, K.B. (2022) English with an Accent, third edition, Routledge

Babel, A.M., McGowan, K.B., & Duque, P.E. (2021) Niveles de percepción de las vocales en contacto: el caso de una variedad de español andino en Bolivia. In Factores esenciales en el contacto de lenguas: una revisión desde el español, Sara Gómez Seibane, María Sánchez Paraíso, Azucena Palacios (eds). Madrid: Editorial Iberoamericana.

Baese-Berk, M. M., McLaughlin, D. J.*, & McGowan, K. B. (2020). Perception of non-native speech. *Language and Linguistic Compass*, 14(7), e12319.

Medeiros, D.J., Mains, P., & McGowan, K.B. (2020). Ceiling Effects on Weight in Heavy NP Shift. *Linguistic Inquiry*, 1-26.

McGowan, K.B. and Babel, A.M. (2020) Perceiving isn't believing: listeners' expectation and awareness of phonetically-cued social information. *Language in Society*, 49(1), 1-26

McGowan, K.B., Johnson, M.T., Combs, A., and Soleymanpoor, M. (2019) Acoustic, non-invasive measurement of velopharyngeal aperture using a high frequency tone, *Proceedings of the 19th International Congress of Phonetic Sciences*.

Beddor, P.S., Coetzee, A., Styler, W., McGowan, K.B., and Boland, J.E. (2018) The time course of individuals' perception of coarticulatory information is linked to their production: Implications for sound change. *Language*, 94(4): 931-968

McGowan, K.B. (2016) Sounding Chinese and Listening Chinese: Perception, Imitation, and Authenticity. In *Awareness and Control in Sociolinguistics Research*, ed. by A.M. Babel. Cambridge University Press.

McGowan, K. B. (2015). Social expectation improves speech perception in noise. *Language and Speech*, 58(4), 502-521. Chicago

Sumner, M., Kim, S., King, E., & McGowan, K. B. (2013). The socially-weighted encoding of spoken words: A dual-route approach to speech perception. Frontiers in Psychology, 4, 1015.

Beddor, P.S., McGowan, K.B., Boland, J.E., Coetzee, A., and Brasher, A. (2013) The time course of perception of coarticulation. *Journal of the Acoustical Society of America*, 133(4):2350-2366.

McGowan, K.B. (2012) Gradient Lexical Reflexes of the Syllable Contact Law. *Proceedings of the Annual Meeting of the Chicago Linguistics Society 45*, Volume I, R. Bochnak, N. Nicola, P. Klecha, J. Urban, A. Lemieux and C. Weaver (Eds.), p. 445-454. Chicago Linguistics Society: Chicago.

Grants, Fellowships & Honors

Research and Creative Activities grant (with Jennifer Cramer), University of Kentucky, College of Arts & Sciences, $3,360, March 2019

Igniting Research Collaborations grant (with Michael Johnson, Electrical and Computer Engineering), University of Kentucky OVPR, $27,726, July 2018

Confucius Institute Curriculum Development Grant, $1,000, March 2016

College of Arts & Sciences laboratory development grant, $75,000, August 2015

Rackham Predoctoral Fellowship, Rackham School of Graduate Studies, University of Michigan, 2010–2011

Humanities Candidacy Fellowship, University of Michigan, 2010

National Science Foundation, Honorable Mention, Graduate Research Fellowship, 2008

Pre-Candidate Research Grant, Rackham Graduate Student Research Grant, Rackham Graduate School, University of Michigan, 2008

Linguistic Society of America, LSA Linguistic Institute Fellowship, LSA Summer Institute, Stanford University, 2007

NAACL Scholarship for JHU Summer School on Human Language Technology, North American Chapter of the Association for Computational Linguistics, 2006

Applications not selected for award

Spencer Foundation small grant, Listening to teach: teaching teachers to negotiate barriers to communication in the classroom, Co-PI ($90,408; submitted November 2019; Co-PIs: Jennifer Cramer, Margaret Rintama)

James S. McDowell Foundation (JSMF) Teachers as Learners Grant, Listening to teach: teaching teachers to negotiate barriers to communication in the classroom, Co-PI ($1,227,570; submitted pre-proposal May 2019; Co-PIs: Jennifer Cramer, Rusty Barrett, Margaret Rintamaa, and Susan Cantrell)

Invited Talks & Colloquia

March, 2024 Experimental Applications to the Perception and Production of Variation, Houston – Levels of perception, knowledge, and awareness don't have to agree.

Fall, 2021 Phondi, University of Michigan, Ann Arbor – Matched Guise Silent Centers

March, 2019 University of Tennessee, Knoxville – Social expectation and speech perception: mismatch and alignment

November, 2016 University of Michigan – Subcategorical mismatches can be mismatches of phonetic, phonological, lexical, and social context

April, 2016 SUNY, Buffalo – Speech perception is social

March, 2016 North Carolina State University – Socially informed speech perception: context, congruency, and complications

2014 UC Berkeley, Phorum – Perceiving isn't believing: listeners' expectation and awareness of phonetically-cued social information (with A.M. Babel)

2012 Rice University – Claims about processing require online tasks: disjunction of AXB and interview results in a Bolivian crossroads. (with A.M. Babel)

2012 University of Texas, Austin – Social expectation and theories of speech perception.

2011 Rice University – The role of socioindexical expectation in speech perception.

Presentations & Posters

2022 McGowan, K.B. *The Limits of Perception* 17th International Conference on Methods in Dialectology

2019 McGowan, K.B., Johnson, M.T., Combs, A., and Soleymanpoor, M. Acoustic, non-invasive measurement of velopharyngeal aperture using a high frequency tone. 19th International Congress of Phonetic Sciences.

2019 McGowan, K.B., Johnson, M.T., Combs, A., and Soleymanpoor, M. Acoustic, non-invasive measurement of velopharyngeal aperture using a high frequency tone. Poster, 177th Meeting of the Acoustical Society of America

2019 McGowan, K.B. and Johnson, M.T. Apparatus and procedure for ultrasound investigation of velopharyngeal port aperture. University of Kentucky, Igniting Research Collaborations Symposium

2018 Wright, K. and McGowan, K.B. Covert Segregation: Dialect Discrimination in the Housing Market. 54th meeting of the Chicago Linguistics Society

2018 Wright, K. and McGowan, K.B. Covert Segregation: Investigating Dialect Discrimination in the Housing Market. 2nd place, Five Minute Linguist competition. 92nd Annual Meeting of the Linguistics Society of America

2015 McGowan, K.B. and Sumner, M. A phonetic explanation of pronunciation variant effects. 89th Annual Meeting of the Linguistic Society of America

2015 Sumner, M., McGowan, K.B., D'Onofrio, A., and Pratt, T. The contribution of form and meaning to the processing of careful and casual speech. 89th Annual Meeting of the Linguistic Society of America

2015 Mains, P., McGowan, K.B., and Medeiros, D. Gradient acceptability by length in heavy NP shift. 89th Annual Meeting of the Linguistic Society of America

2015 Moores, N.P., McGowan, K.B., Sumner, M. and Frank, MC. Children use phonetically-cued talker information to infer speaker meaning. Poster, 89th Annual Meeting of the Linguistic Society of America

2014 Moores, N.P., McGowan, K.B., Sumner, M., and Frank, M.C. Children use phonetically-cued talker information to disambiguate similar objects. The 55th Annual Meeting of the Psychonomics Society, Long Beach, CA

2014 McGowan, K.B. Sumner, M., D'Onofrio, A., and Pratt, T. The contribution of form and meaning to the processing of careful and casual speech. 27th Annual CUNY Conference on Human Sentence Processing. Columbus, OH

2014 Sumner, M., Calder, J., D'Onofrio, A., McGowan, K.B., and Pratt, T. Top-down vs. bottom-up processing depends on the acoustic composition of an utterance. 88th Annual Meeting of the Linguistic Society of America

2013 Sumner, M.; D'Onofrio, A.; McGowan, K.; Pratt, T.; and Calder, J. Differences in the recognition of careful and casual speech. Poster, 166th Meeting of the Acoustical Society of America

2013 McGowan, K.B. and Babel, A.M. Perception of Spanish in Contact: Bolivian listeners' expectation and awareness of socioindexical variation. Workshop on Sound Change Actuation, University of Chicago

2013 McGowan, K.B. Sounding Chinese and Listening Chinese: Imitation, Perception, and Awareness of Non-Native Phonology. Part of panel, *Awareness & control in sociolinguistic research*. 87th Annual Meeting of the Linguistic Society of America

2012 Babel, A.M. and McGowan, K.B. Social Categorization and Levels of Awareness: A Cross-Disciplinary Study. Part of panel, *Voices in Movement: Phonetic Border Crossings*. American Anthropological Association annual meeting.

2012 McGowan, K.B. The influence of socioindexical expectations on speech perception in noise. 86th Annual Meeting of the Linguistic Society of America

2011 McGowan, K.B. The influence of socioindexical expectations on speech perception in noise. Poster, 162nd Meeting of the Acoustical Society of America

2011 McGowan, K.B. and Medeiros, D. J. Tongues don't twist –mental representations do. 85th Annual Meeting of the Linguistic Society of America

2011 McGowan, K.B. Are you experienced? Socio-indexical knowledge and naïve listeners. Poster, 85th Annual Meeting of the Linguistic Society of America

2010 McGowan, K.B. Examining Listeners' Use of Sociolinguistic Information During Early Phonetic Judgments: Evidence from eye-tracking. New Ways of Analyzing Variation (NWAV 39)

2010 McGowan, K.B. Listener Expectations and the Processing of Foreign-Accented Speech. Mid-Continental Workshop on Phonology (MCWOP 16)

2010 Beddor, P.S., McGowan, K.B., Boland, J., and Coetzee, A. The Perceptual Time Course of Coarticulation. Poster, Laboratory Phonology (LabPhon 12)

2010 McGowan, K.B. Aerodynamic Modeling of Coarticulation for Unit Selection Synthesis. Poster, 84th Annual Meeting of the Linguistic Society of America

2009 Beddor, P.S., McGowan, K.B., Boland, J., and Coetzee, A. The Perceptual Time Course of Coarticulatory Nasalization. Poster, 158th Meeting of the Acoustical Society of America

2009 McGowan, K.B. Aerodynamic Modeling for Concatenative Speech Synthesis. Poster, 158th Meeting of the Acoustical Society of America

2008 McGowan, K.B. Pointwise Mutual Information and the Syllable Contact Law. Mid-Continental Workshop on Phonology (MCWOP 14)

2008 Coetzee, A. and McGowan, K.B. Allophonic cues to syllabification. CUNY Conference On The Syllable

1994 Bailey, R.W. and Kevin B. McGowan The Michigan Academy – "English in Michigan: A Century of Scholarship" with Richard W. Bailey

Teaching

How Do Muppets Work?: a hands-in introduction to speech perception University of Kentucky, Spring 2021

Introduction to Syntax University of Kentucky, Spring 2021

Phonetics University of Kentucky, Fall 2015 – 2020

Introduction to the Study of Language University of Kentucky, Fall 2020

Advanced Phonetics University of Kentucky, Spring 2020

Research Methods in Linguistics University of Kentucky, Fall 2018

Phonological Analysis University of Kentucky, Spring 2017 & 2018

Sociophonetics University of Kentucky, Spring 2016 & 2018

Computational Linguistics Linguistics 511, University of Kentucky, Fall 2017, Spring 2020; Linguistics 409, Rice University, Spring 2013

Eye Tracking for Linguistics Research LSA Linguistics Institute, Lexington, 2017

Doing Phonetics Research LSA Linguistics Institute, Lexington, 2017 (cotaught with Melissa Baese-Berk, Melinda Fricke, & Natasha Warner)

Intro To Ling I: Theoretical Foundations & Analysis University of Kentucky, Fall 2015 & 2016

Language in U.S. Society University of Kentucky, Spring 2016 & 2017

Introduction to R University of Kentucky, Spring 2016 & 2017

Praat Scripting LSA Linguistics Institute, Ann Arbor, 2013; Stanford University, Stanford, 2014; LSA Annual Meeting, Portland, 2015

Introduction to Phonetics Linguistics/Anthropology 301/501, Rice University, Fall 2011 & 2012

Hearing & Speech Perception Graduate Seminar, Linguistics 555, Rice University, Spring 2012

Introduction to Phonology Linguistics 311/511, Rice University, Spring 2012 & Spring 2013

Advanced Phonology Linguistics 427, Rice University, Fall 2012

Introduction to the Scientific Study of Language Linguistics/Anthropology 200, Rice University, Fall 2011

Language & the Human Mind Linguistics 209/Pyschology 242
Graduate Student Instructor for Professor Sam Epstein, University of Michigan, Fall 2009

College Writing Writing and the Politics of English, English 125, University of Michigan, Fall 2008

Introduction to Language Linguistics 111, University of Michigan, Spring 2008

Javascript Programming Introductory JavaScript Programming Workshop, University of Michigan, School of Information, Winter 2006, Winter 2007

Computing workshops UNIX, Perl programming, SQL, HTML, etc., University of Michigan, Information Technology Division, 1997 - 1999

Selected Guest Teaching

Listeners' awareness and control and levels of speech perception in Norma Mendoza-Denton's Anthrophonetics course at UCLA, Spring 2020

Perception of social identity in voices in Jennifer Cramer's LIN 506 Sociolinguistics, Fall 2019

Syllables, Vowels & Consonants, and Intonation appearing in Andrew Byrd's online course LIN 200 How to create your own language, Spring 2019

American Sign Language and Deaf Culture in Jennifer Cramers LIN 331 Language in US Society, Spring 2019

Probabilistic Grammars, Optimality Theory, and Noisy Harmonic Grammar in Andrew Byrd's Advanced Phonology, November 2018

Exploring German phonetics in the lab in Brenna Byrd's German Linguistics, October 2016

Acoustics: Basics of Analysis Linguistics 601, October 2015 & 2016

Speech Synthesis in Andrew Hippisley's Computational Linguistics, December 2015

Acoustics in Meghan Sumner's Experimental Phonetics, November 2014

Fricatives & Source/Filter Theory in Meghan Sumner's Graduate Phonetics, May 2014

Political Correctness & Hate Speech in Joseph C. Tyler's Language & Discrimination, March 2011

Exemplar Theories and Social Perception of Speech in Patrice S. Beddor's Advanced Phonetics, September 2010

Montana Salish and Ultrasound Field Research in Jonathon Yip's Languages of the World, July 2010

Processing Figurative Speech in Julie Boland's Talking Minds, March 2010

Phonology, Speech Perception and Perceptual Illusions in Sam Epstein's Language and Mind, October 2009

Sound Change in Sarah G. Thomason's Historical Linguistics, October 2008

Aerodynamic Measurement of Nasalization in Patrice S. Beddor's Graduate Phonetics, September 2008

Advising

Monica Chulde Guayasamin, MALTT masters thesis chair, 2022

Jarred Brewster, MALTT masters thesis chair, 2020

Ollie Combs, MALTT masters thesis chair, 2020

Kyler Laycock, MALTT masters thesis chair, 2020

Jaycee Taylor, Lexington STEAM Academy high school internship, 2018 – 2019

Robert Bell, MALTT masters thesis committee co-chair, 2019

Jamison Nielsen, Lexington STEAM Academy high school internship, 2016 – 2018

Collin Smith, with Brenna Byrd, MALTT masters thesis cochair, 2019

Mikhayla Sheeley, Undergraduate honors thesis chair, 2018

Philip Barnett, with Andrew Byrd, MALTT masters thesis cochair, 2018

Aidah Aljuran, MALTT masters thesis chair, 2017

Kelly Wright, MALTT masters thesis chair, 2017

Jo Mackby, MALTT masters thesis co-chair, 2016

Kait Lee, MALTT masters thesis chair, 2016

Mariama Mallah, Directed undergraduate research. Stanford University. 2013

Penelope Howe, Investigation of cues to fricative voicing in dialects of Malagasy. Rice University. Qualifying Paper, chair. 2012–2013

Ling Ma, Native Mandarin perception of English word boundary consonant overlap. Rice University. Masters Thesis, chair. 2012–2013

Ru-ping Ruby Tso, Chinese Characters and Speech Recognition. Rice University. Qualifying Paper, reader. 2012

Obi Nwabueze, Frame Switching between Registers and Dialects. Rice University. Undergraduate Research. 2012–2013

Sheri-Ann Peckham, Investigation of age-related perceptual plasticity using Jamaican Creole. Rice University. Undergraduate Research. 2011–2013

Academic Service

Grant reviews, National Science Foundation, periodic and ongoing

Co-organizer, Phonetics/Phonology Interest Group, University of Kentucky, 2017-2019

Director, University of Kentucky Phonetics Lab, University of Kentucky 2015–2019

Colloquium committee chair, Department of Linguistics, University of Kentucky, 2016–2019

Peer reviews, *Journal of the Acoustical Society of America*, *Journal of Phonetics*, *Language & Speech*, *Lingua*, etc.

Conference Abstract Reviews, Speech Science and Technology 2012 – 2014; Michigan Linguistics Society; Experimental Approaches to Optimality Theory (ExpOT)

Workshop for Rice Linguistics Society: Eye-tracking for linguistics research, 2012

Organizer, Statistics for Linguistics Reading Group, Rice University, Department of Linguistics, 2011–2013

Faculty Associate, Hanszen College, Rice University, Department of Linguistics, 2011-2013

Member, Linguistics Executive Committee, University of Michigan, Department of Linguistics, 2010–2011

Board Member, *Language Learning Journal*, Blackwell Publishing, 2007–2010

Workshop: Introduction to R, University of Michigan, Department of Linguistics with S. Lin & A. Brasher, 2010

Co-chair of Michigan Linguistics Colloquium Committee, 2007–2009

Community Outreach

Elected Representative, School based decision making council, Ashland Elementary School, 2019–2021

Presenter, "How Words Do (and Mostly Don?t) Color Our View of the World", Everything is Science, Lexington 2020

Presenter, Lexington Living Arts & Science Center: teaching phonetics for a general audience of children and adults, 2019

Faculty Mentor, Kentucky Young Scholars Program & Lexington STEAM Academy High School, 2016–2019

Ashland Elementary School FACT Fridays: "The Science of Speech" for fourth and fifth grade students, teaching the anatomy and physics of producing speech sounds and signs, how the brain controls and processes speech, and how sociocultural factors help us make sense of what we hear, 2017–2019

Technical Expertise

Laboratory Eyelink 1000 Plus, Eyelink II head-mounted eye tracker, Tobii tx300 remote eye tracker, EG2-PCX Electroglottograph, EVA 2 pneumotachograph, Telemed Echo Blaster 128 Ultrasound, Zonare Ultrasound, Praat, Wavesurfer, E-Prime, Inquisit, Qualtrics, Amazon Mechanical Turk, OpenSesame, sox, etc.

Programming Python, Perl, C, Bourne shell, JavaScript, awk, sed, tcl, SQL, PL/SQL

Systems RDBMS systems (Oracle, MySQL, PostgreSQL), UNIX administration & programming (Linux, *BSD, MacOS, Solaris, etc.), LaTeX

Professional Affiliations

Linguistic Society of America, 2006–

Acoustical Society of America, 2009–

Last updated: August 8, 2023