

Joyce Mary McDonough

CURRENT POSITION	Richard L. Turner Professor, College of Arts and Sciences	
CONTACT INFORMATION	Department of Linguistics 505 Lattimore Hall PO BOX 270096 Rochester, NY 14627-0096, USA	Office: (585) 275-2895 joyce.mcdonough@rochester.edu
CURRENT CO-AFFILIATIONS	Center for the Language Sciences (CLS), University of Rochester. Hearing and Balance Research Group, URMC Faculty Affiliate, Linguistics Program, University of Montana.	
RESEARCH INTERESTS	Areas of current research: the phonetic structure of endangered languages, focusing on polysynthesis; the auditory representation of speech sounds (with neuroscientist Laurel Carney); the language of landscape and environment.	
EDUCATION	University of Massachusetts at Amherst, Ph.D. 1990 Dissertation: "The morphology and phonology of Navajo verbs" Advisors: Emmon Bach (UMass at Amherst), Ken Hale (MIT)	
	UCLA Phonetics Lab , Department of Linguistics 1991 - 1993 NIH Postdoc, under Peter Ladefoged for <i>Sounds of the World's Languages</i>	
	University of Massachusetts at Amherst , BA Japanese and Linguistics Japanese Ministry of Education Fellowship at <i>Hokkaido Imperial University</i> , Sapporo Japan.	
PREVIOUS POSITIONS	University of Rochester, Department of Linguistics 2005 - 2014 Associate Professor and Chair	
	Ohio State University Medical School , College of Dentistry 1994 - 1997 Research Scientist, Adjunct Faculty	
	Ohio State University , Linguistics Department 1993 - 1994 Visiting Assistant Professor	
	UCLA, Linguistics, Phonetics Lab 1991 - 1993 Postdoc, Lecturer	
	University of Montana , Linguistics Program 1990 - 1991 Visiting Assistant Professor	
PUBLICATIONS	Laurel H Carney, David A. Cameron, Kameron B. Kinast, C. Evelyn Feld, Douglas M. Schwarz, U-Cheng Leong, Joyce M. McDonough (2023) Effects of sensorineural hearing loss on formant-frequency discrimination: Measurements and models. <i>Hearing Research</i> . bioRxiv 2022.10.26.513920; DOI: https://doi.org/10.1101/2022.10.26.513920	
	Yasmeen Hamza, Afagh Farhadi, Douglas M. Schwarz, Joyce M. McDonough, Laurel H. Carney; Representations of fricatives in subcortical model responses: Comparisons with human consonant perception. <i>J. Acoust. Soc. Am.</i> 1 August 2023; 154 (2): 602–618. https://doi.org/10.1121/10.0020536	

L Carney, JM McDonough (2019). Nonlinear auditory models yield new insights into representations of vowels *Attention Perception and Psychophysics*. DOI: 10.3758/s13414-018-01644-w.

DH Whalen, JM McDonough (2019) Under-researched languages: Phonetic results from language archives. In *Routledge Handbook of Phonetics*, eds. Katz and Assmann.

JM McDonough (2019) On Krauss's (2005) tonogenesis tables and their IPA transcription. *Working Papers in the Language Sciences (URWPLS)*, vol. 7, 1-8. Cambridge, MA: MIT Working Papers in Linguistics.

L Carney, T Li, JM McDonough. (2015). Speech Coding in the Brain: Representation of Vowel Formants by Midbrain Neurons Tuned to Sound Fluctuations. *eNeuro*. DOI: <http://dx.doi.org/10.1523/ENEURO.0004-15.2015>.

A Stasenko, C Bonn, A Teghipco, F Garcea, C Sweet, M Dombovy, J McDonough, B Mahon. (2015) A causal test of the motor theory of speech perception: A case of impaired speech production and spared speech perception. *Cognitive Neuropsychology*

D Whalen, JM McDonough. (2015). Adaptable models: Taking the laboratory into the field. *Annual Review of Linguistics* V1:14.1?14.21.

M Schellenberg, JM McDonough. (2015) Using discrete cosine transforms to characterize tones in two Dene (Athabaskan) languages. *Canadian Acoustic Association*

JM McDonough. (2014) The Dene verb: how phonetics supports morphology. In *Proceedings of 18th Workshop on Structure and Constituency in the Languages of the Americas* University of California, Berkeley, April 5-7, 2013

K Carbary, M Brown, C Gunlogson, JM McDonough, A Fazlipour, M Tanenhaus. (2014) Anticipatory Deaccenting in Language Comprehension. *Language and Cognitive and Neuroscience*, published online, February 2014

The Dene Speech Atlas: Seeds of the Future. Online, June 2013, update, June 2014
<http://www.ling.rochester.edu/DeneSpeechAtlas/>

C Bower, JM McDonough, K Kelliher (2012) The phonetics of Bardi (Nyulnyulan) *Journal of the International Phonetic Association*, volume 42, issue 03, pp. 333-351.

LH Carney, JM McDonough (2012) Predicting discrimination of formant frequencies in vowels with a computational model of the auditory midbrain, *IEEE Proceedings*, Conference on Information Sciences and Systems, Princeton NJ.

K Iskarous, JM McDonough, DH Whalen (2012) A gestural account of velar contrast: the back fricatives in Navajo, *Laboratory Phonology* 3.1: 195-210 .

JM McDonough, B Tucker (2012) Replicating PE Goddard: A contemporary airflow and EGG study of Dene Suline. *University of Rochester Working Papers in the Language Sciences (WPLS: UR)* Volume 4:1. P 45-56.

The Dene Speech Atlas. Beta version. Online, August 2011.

JM McDonough, H Lenhert-LeHouiller, N Bardhan (2009) The perception of Nasalized Vowels in American English: An investigation of online use of vowel nasalization in lexical

access, in *University of Rochester Working Papers in the Language Sciences* (WPLS: UR) Volume 5:1.

JM McDonough, V Wood (2008) The stop contrasts of the Athabaskan languages *Journal of Phonetics*. V36.3, 427-449.

JM McDonough, D.H. Whalen (2008) The phonetics of native North American languages *Journal of Phonetics*. V36.3, 423-426.

M Jacob, H Lehnert-LeHouillier, S Bora, S McAleavey, D Dialecki, JM McDonough (2008) Speckle Tracking for the Recovery of Displacement and Velocity Information from Sequences of Ultrasound Images of the Tongue. *Proceedings of the 8th International Seminar on Speech Production*, Strasbourg France, 53-57.

J Diehl, D Watson, L Bennetto, JM McDonough, C Gunlogson (2008) An Acoustic Analysis of Prosody in High-Functioning Autism *Applied Psycholinguistics*.

Diehl, J. J., L. Bennetto, D. Watson, C. Gunlogson and JM McDonough (2008) Resolving ambiguity: A psycholinguistic approach to understanding prosody processing in high-functioning autism *Brain and Language*. Aug;106(2):144-52.

Salverda, A.P., Dahan, D., Tanenhaus, M.K., Crosswhite, K., Masharov, M., JM McDonough, (2007) Effects of prosodically modulated sub-phonetic variation on lexical competition. *Cognition*, 105(2), 466-476.

McDonough, J., H. Danko, J. Zentz (2007) "Rhythmic structure of music and language: an empirical investigation of American jazz masters Louis Armstrong and Jelly Roll Morton". *University of Rochester Working Papers in the Language Sciences* (WPLS: UR) Volume 3:1. P 45-56.

McDonough, J., R. Sussman (2005) "A preliminary methodology for the investigation of speaker's knowledge of structure in Athabaskan" *BLS 2004*

McDonough, J. (2003) **The Navajo Sound System**. Kluwer Academic Press.

McDonough, J. (2002) "The intonation of Navajo focus and interrogative constructions", in *Formal Approaches to Functional Phenomena*, eds. Carnie, Harley and Willie. Amsterdam: John Benjamins.

McDonough, J. (2001) "Incorporating onsets in Navajo: the d-effect", *Papers in honor of Ken Hale*, ed. by Carnie, Jelinek and Willie, MIT Working Papers in Linguistics:177-88.

McDonough, J. (2000) "On the bipartite model of the Athabaskan verb" *The Athabaskan Languages: Perspectives on a Native American Language Family*. T. B. Fernald and P. R. Platero. Oxford University Press: 139-166.

McDonough, J. (2000) "Athabaskan redux: Against the position class as a morphological category", In *Morphological Analysis in Comparison* edited by Dressler, Pfeiffer, Pochtrager and Rennison. Amsterdam: John Benjamins: 155-78

McDonough, J. (2000) "How to use Young and Morgan's "The Navajo Language"" In K. M. Crosswhite and J. S. Magnuson (Eds.), *University of Rochester Working Papers in the Language Sciences*, 1 (2), 23-42.

McDonough, J., Mary Willie (2000) "Allowable variability: A preliminary investigation of word recognition in Navajo", *University of Rochester Working Papers in the Language Sciences* (WPLS:UR), vol. Spring 00-1:1-23

McDonough, J. (1999) "Tone in Navajo", *Anthropological Linguistics*. V41.4, 503-539.

McDonough, J., K. Johnson. 1998. "Tamil liquids: an EPG and perceptual study of the five liquid consonants in the Brahmin dialect of Tamil", *Journal of the International Phonetic Association* 27.1.

McDonough, J. 1997. Review of Phonology and Phonetic Evidence: Papers in Laboratory Phonology IV, eds. Connell and Arvanti, Cambridge, for *Phonology* 14(1).

McDonough, J. 1996. Epenthesis in Navajo. In *Athabaskan Papers for Robert Young*, eds. Jelinek, Rice and Saxon. Albuquerque: University of New Mexico Press.

McDonough, J., P. Ladefoged. 1994. Stop contrasts in Navajo in *Holland Institute of Linguistics: Phonology*. eds. Nespor and Smith. Mouton.

McDonough, J., H. George. 1994. "The Sounds of Navajo: An instructional HyperCard stack" *Journal of Navajo Education* X.3, 16-21.

McDonough, J., M. Austin. 1994. "Vowel enhancement and dispersion in Western Navajo: a acoustic study of the vowel space of traditional Navajo speakers" *UCLA Working Papers in Linguistics*, vol. 86.

McDonough, J., P. Ladefoged, H. George. 1992. "Navajo vowels and universal phonetic tendencies", **Fieldwork Studies of Targeted Languages**. *UCLA Working Papers in Phonetics*, vol. 84. (Also in *JASA* 92 (4, Pt 2):2416, 4aSP15)

PUBLICATIONS
SUBMITTED

Hamza, Y, A Farhadi, D. M. Schwarz, J. M. McDonough, L. H. Carney (2022) "Representations of fricatives in sub-cortical model responses: comparisons with human perception". Submitted *JASA*.

Chee, M., T. Yazzie, J McDonough. "Eastern Agency Navajo", 2022 (submitted) *IJAL*

MULTIMEDIA
OR WEBSITE

UR EAR Neurograms Laurel Carney, Douglas Schwarz and Joyce McDonough. [website] from <https://bit.ly/3LWkbLQ>

Appendix for Krauss (2005) Tonogenesis Tables: The IPA transcriptions (online July 2020) <https://bit.ly/3oSkBpq>

How to Use Young and Morgan's The Navajo Language (online: July 2016) <https://osf.io/ga95x/>

Dene Speech Atlas. Product of NSF-DEL project *Online: July 2013*. Website demonstrating the sounds of the Dene language communities in the Mackenzie River Basin drainage and environs (NSF 0853929) <http://www.sas.rochester.edu/lin/DeneSpeechAtlas/>

RECENT
INVITED TALKS
AND
WORKSHOPS

The polysynthetic ideal: the phonetic structure of Navajo (ISO:nav) verbal morphology.

Workshop on Interfaces of Phonetics, Oldenburg, Germany May 18-19, 2021.

Workshop on the documentation of Spoken Navajo. Navajo Technical University, Navajo Nation, Crownpoint NM. 3-13 March 2020.

Patterns polysynthetic morphology: relations between words in Navajo University of New Mexico, 6 March 2020.

Nonlinear Auditory Models Yield New Insights into Representations of Vowels Laurel H. Carney Joyce M. McDonough. DIEHL-A-PALOOZA, In Honor of Randy Diehl, University of Texas, Austin, April 2018.

LabEx EFL Chaire Internationale, Sorbonne Nouvelle, Paris 3. The Structure of the Navajo Verbal Complex. May 2017.

Phonetic documentation of under-resourced languages Institute of Chinese Minority Language and Literature, Minzu University of China, Beijing. June 2017.

The role of phonetic data in language documentation and typology
Speech in the auditory system: Neural representations of speech sounds.
Nanjing University of Science and Technology, Nanjing, China. June, 2017

Linguistic Typology in a Polylinguistic World. Computer Science, University of Rochester, December 2016.

On the Value of Linguistic Diversity. Laboratory for Laser Energetics, University of Rochester. October 2016.

SSILA, Symposium in Honor of for Emmon Bach. Young and Morgan's The Navajo Language. LSA, Washington DC, January 2016.

TOPIQQ (Volkswagon Foundation) w M Schellenberg. Dene Tone. Glasgow, August 2015.

Workshop on System Typology. ALT11, University of New Mexico, August 2015.

Quantitative Morphology Meeting. University of Belgrade, July 2015.

Dene morphology and the role of paradigms: processing and representation. *Dene Verb Paradigm Workshop*, University of Toronto, September 22-24, 2014.

The Dene verb again, again. *Emmonfest.* Festschrift for Emmon Bach, Goethe University, Frankfurt. June 2014.

Dene Speech Atlas. *Symposium on Linguistics and the Native Languages of the Americas.* Rochester Institute of Technology. March, 2014.

What phonetics can tell us about morphological structure. *18th Workshop on Structure and Constituency in the Languages of the Americas* (WSCLA 18), UC Berkeley, April 2013.

Workshop. Dene Speech Atlas. *World Oral Literature Project*, Cambridge University, CRASSH, June 2012.

Workshop. *Prosody in the Wider World (ProWW)*, University of Cologne, May 2012.

Linguistic Diversity, Cultural Identity and the Role of Small Communities. Rochester Institute of Technology, *Conable Distinguished Lecture Series in International Studies*, May 2012.

Paradigmatic variation in Dene verbal morphology. Carleton University, Ottawa. March 2011.

The Athabaskan tonogenesis hypothesis. University of Chicago, May 2010.

Morphology/phonology interface in the Dene verb. *Workshop on the Interface between Syntax and Phonology/Morphology*, Syracuse University, April 2010.

Language documentation: Experimental and instrumental data collection in the field, Special session on language documentation, LSA, Baltimore, 2010.

Word and paradigm analysis of the Dene verb as a lexical compound. Linguistics Department, University of Alberta, Edmonton, March 2009.

The structure of the Dene verb. Linguistics Program, University of Montana, Missoula, February 2009.

A re-analysis of the aspirated affricate contrast in the Dene languages. Linguistics Program, University of Montana, Missoula, February 2009.

Rhythm in speech. With Harold Danko, Provost's Seminar, University of Rochester. December, 2008

Speech Cadence of Armstrong and Morton. With Harold Danko, *Mannes Institute for Advanced Studies in Music Theory*, June 2008.

Speech Cadence as Gesture. With Harold Danko, *Universitat de Autònoma de Barcelona*, April 2008.

The Athabaskan lexicon: the sound grammar and the role of paradigms in polysynthesis. University of New Mexico, March 2005. **LSA** 2004, Tutorial on Phonetics, special session.

Connections between music and language: prominence and meter in language *Music Cognition Seminar*, Eastman School of Music, November 2002.

Mini-course on Navajo phonetics and phonology, Department of Theoretical and Applied Linguistics, University of Edinburgh, April 2001.

CONFERENCES

U-Cheng Leong, Douglas M. Schwarz, Joyce M. McDonough, Laurel H. Carney (2021) Modeling formant-frequency discrimination based on auditory-nerve and midbrain responses: normal hearing and sensorineural hearing loss. *Computational Audiology* (online, UK) 25 June 2021.

U-C Leong, D. Schwarz, J McDonough, and L Carney (2021) Formant-Frequency Discrimination in Listeners with Normal Hearing or Sensorineural Hearing Loss: Effects of Formant Bandwidth. *ARO* (Association for Research in Otolaryngology).

- Y Hamza, A Farhadi, D Schwarz, J McDonough, L Carney (2020) Can Auditory-Nerve and Inferior Colliculus Models Explain Perceptual Confusions for Fricatives? ARO (Association for Research in Otolaryngology).
- G Niyo, A Farhadi, J McDonough, L Carney (2019) Speech Coding and Representation in the Midbrain Auditory System. BMES (Biomedical Engineering Society).
- Jalon Begay and Joyce McDonough (2019) Documenting paradigmatic relations in the Navajo verbal complex. ICLDC (Conference on Language Documentation and Conservation), Hawai'i, 2019
- JM McDonough (2018) Documenting prosody in three Athabaskan Languages. Proceedings, Acoustical Society of America and Canadian Acoustic Association, Victoria, BC. JASA 2018;133(5):3245.
- Olivier Bonami, Joyce McDonough and Sacha Beniamine (2017) When segmentation helps: Implicative structure and morph boundaries in the Navajo verb. ISMo 2017, Lille France.
- J McDonough (2014) Modeling the polysynthetic verb. *The 9th International Conference on the Mental Lexicon*, Niagara on the Lake, September, 2014.
- JM McDonough, L Carney (2014) The pre-lexicon: the coding of vowel contrasts in mid-brain input to the cortex. *The 9th International Conference on the Mental Lexicon*, Niagara on the Lake, September, 2014
- LH, Carney, KS Abrams, JM McDonough, DM Schwarz, and F Idrobo. (2014) Formant-frequency discrimination for synthetic single-formant vowel-like sounds: Comparison of budgerigar and human thresholds, Association for Research in Otolaryngology.
- LH Carney, T Li, JM McDonough. (2013) Amplitude-modulation tuning in the auditory midbrain provides a robust mechanism for vowel coding, Soc. for Neuroscience.
- LH Carney, T Li, JM McDonough. (2013) Using a computational model for the auditory midbrain to explore the neural representation of vowels. Proceedings, Acoustical Society of America and International Congress on Acoustics, Montreal. JASA 2013;133(5):3245.
- JM McDonough, J O'Loughlin. (2013) An investigation of the three tone system in Tsuutina (Dene). Acoustical Society of America and International Congress on Acoustics, Montreal. JASA 2013;133(5):3245.
- JM McDonough. (2013) The areal properties of tone in the Mackenzie Basin Dene languages. Conference on Language Documentation and Conservation, University of Hawaii.
- K Bixby, E Marvin, JM McDonough. (2012) Musical Effects of Perceptual Grouping. 11th Annual Auditory Perception, Cognition and Action Meeting (APCAM 2012) Minneapolis.
- LH Carney; JM McDonough. (2012) Neural representations of vowels and vowel-like sounds. Acoustic Society of America (ASA) Hong Kong. Acoust. Soc. Am. 131, 3309.
- K Carbery; C Gunlogson; JM McDonough, A Fazlipour; S Glacken; R Goldstein; M Tanenhaus. (2011) Deaccenting in Language Comprehension: a Phonemic Restoration Study. Experimental and Theoretical Advances in Prosody2, Montreal. Talk.
- JM McDonough. (2011) The Speech Atlas of the Mackenzie Basin Dene: language con-

servation and identity in the Mackenzie Basin. Conference on Language Documentation and Conservation, University of Hawai'i.

JM McDonough, P Platero. (2011) Parsimonious Intonation: an AM analysis of intonational events in Navajo, LSA Pittsburgh.

JM McDonough. (2010) Reconsidering Dene tonogenesis. Workshop on Phonetic Universals, Max Plank, Leipzig.

K Iskarous, JM McDonough, DH Whalen. (2010) A gestural account of velar contrast in a coronal heavy inventory: the back fricatives in Navajo. 12th Conference on Laboratory Phonology, Talk.

H Lehnert-Lehoullier, JM McDonough. (2010) Prosody Ultrasound. 12th Conference on Laboratory Phonology. Poster.

JM McDonough, B Tucker. (2010) Experimental field phonetics: Replicating Goddard's 1905 kymographic study of the sounds of Dene Suline. LSA, Baltimore.

JM McDonough, H Lehnert-Lehoullier, N Bardhan. (2009) The perception of nasalized vowels in American English: an investigation of on-line use of vowel nasalization in lexical access. Nasal 2009, Workshop, Montpellier France.

JM McDonough, J Lachler, S Rice. (2009) The phonetics of the aspirated affricates in the Dene languages. LSA, San Francisco.

H Lehnert-Lehoullier, JM McDonough, S McAleavey. (2009). What is the domain of domain initial strengthening? An ultrasound study. LSA San Francisco.

M Jacob, H Lehnert-Lehoullier, S Bora, S McAleavey, D Dialecki, JM McDonough. (2008) Speckle Tracking for the Recovery of Displacement and Velocity Information from Sequences of Ultrasound Images of the Tongue. International Seminar on Speech Production, Strasbourg, France.

JM McDonough, R Baier. (2008) Stress, tone and intonation in Sherpa (Sino-Tibetan). Experimental and Theoretical Advances in Prosody, Cornell University.

JM McDonough, H Danko. (2008) Speech Cadence as Gesture. Empirical Approaches to Speech Rhythm. University College, London, England.

M Berger, M Clayards, N Bardhan, JM McDonough. (2006) An automated measure of nasality over time in vowels. ASA. 119 (5), 3338 (A).

JM McDonough, R Baier, M Gregory. (2006) Sherpa tone. LSA.

JM McDonough; S Rice and V Wood. (2005) The persistence of fine grained phonetic detail across the Athabaskan languages. LSA. (Linguistic Society of America).

JJ Diehl, D Watson, JM McDonough, C Gunlogson, EC Young, L Bennetto. (2005) Acoustic and Perceptual Analysis of Prosody in Autism. International Meeting For Autism Research, Boston, MA.

JM McDonough. (2004) The differentiation of lexical and postlexical processes in the evolution of the grammatical category "word". Evolution of Language, Max Plank Institute,

Leipzig.

JM McDonough. (2004) The function of stem prominence in Athabaskan. Berkeley Linguistics Society.

JM McDonough. (2004) A preliminary methodology for the investigation of speaker's knowledge of structure in Athabaskan. Berkeley Linguistics Society.

K Iskarous, JM McDonough. (2003) An Ultrasound study of the back fricatives in Navajo. Texas Linguistic Society.

ONGOING WORK

Language Documentation and Phonetic Field Studies

Dene Speech Atlas

An online speech atlas that provides a baseline description of the phonetic structure of five Dene languages in the Mackenzie River Drainage as the languages are spoken in the individual Dene communities. Ongoing. A second aim is construction of a database of spoken word for a Pan Athabaskan Comparative Lexicon Project (PACL) at UAlberta.

Dene tone and tonogenesis

Phonetic investigation of tone and prosody in the Athabaskan (Dene) language family.

Dene verbal morphology

The role of paradigmatic variation in the lexicon. Morphological processing and paradigmatic variation. Sublexical compounds. Morpho-phonetic structure. Phonotactic patterns in the lexicon. Modeling the Dene verb.

Auditory processing

Neural coding of speech in the midbrain

With Laurel Carney, Biomedical Engineering (BME), Neurobiology and Anatomy
Investigating the auditory system response to speech sounds and how speech sounds are represented in the auditory pathway of the midbrain.

GRANTS

University Of Rochester Research Grant *Learning new categories: an EEG study of second language learners of Mandarin consonants* Spring 2022

Role: PI Joyce M McDonough and (co-PI) Chung-Lin Yang

University of Rochester, Meliora Grant *Language and Landscape: Water is Life*
Course development grant, January 2022.

NIH *Auditory Processing of Complex Sounds*. NIDCD-R01- DC001641-24

Role: Co-I

PI: Laurel Carney, University of Rochester

Modeling coding of vowels and vowel like sounds in the auditory pathway and midbrain.

GRANTS (PAST)

Volkswagen Foundation, Germany *ToPIQQ Tonal Placement - Interaction of Quantitative and Qualitative Factors*

Role: co-PI

Co-ordinator: Martine Grice, University of Cologne, Germany

International collaborative project to study and model the alignment of pitch and tone using

field data from under documented languages

Provost's Multidisciplinary Award. University of Rochester.
Perception of Music and Language through Auditory Interference. with Elizabeth Marvin,
and Anne Luebke. 2011-2013

NSF-DEL *Documentation and Analysis of Stress and Prosody in Blackfoot (Algonquian)*
[bla].
Role: Consultant
PI: Mizuki Miyashita, Linguistics Program, University of Montana

NSF 1103829 *Workshop and Training for Undergraduates in Field Linguistics*
Role: PI 2011-2013

NSF 0853929 *An Online Speech Atlas of the Dene Languages of the Mackenzie River Basin*
Role: PI 2009-2013

NSF 9973765 *Phonetic Study of Navajo* 1999-2001
Role: PI
Monograph and methodology for a instrumental phonetic description and documentation of
the sound patterns in Navajo.

NIH *Time Course of Spoken Word Recognition.* 2007-2011
Role: co-PI
PI: M. Tanenhaus
Investigation of online speech processing and prosody using the eyetracker.

NIH Training grant. *Research Training in the Language Sciences.* 2007-2013
Role: Preceptor
PI: M. Tanenhaus
Interdisciplinary training program for Postdocs and graduate students in the *Center for the
Language Sciences* (Computer Science, Linguistics, Brain and Cognitive Sciences, Philoso-
phy)

SERVICE	Program Committee, Conference on Laboratory Phonology	2020
APPOINTMENTS	Audit Committee. Linguistic Society of America	2010-2013
EXTERNAL	Program Committee, <i>13th Conference on Laboratory Phonology,</i> Stuttgart, Germany	July, 2012
	Organizing Committee, <i>12th Conference on Laboratory Phonology,</i> Albuquerque, New Mexico	June, 2010
	Linguistic Society of America , SIG (Special Interest Group) Phonetic Fieldwork.	2010
	Linguistic Society of America, Endangered Languages Committee	2005-2008
	American Association of University Women (AAUW), <i>Women Helping Girls</i>	2004-2012
	Breast Cancer Coalition of Rochester, Research Review Board	2014

SERVICE	Library Advisory Committee, Chair	2014-2019
APPOINTMENTS	Co-Chair, Faculty Senate	elected, 2012-13
INTERNAL		
(UNIVERSITY OF		
ROCHESTER)		

Council of Chairs Executive Committee	elected, 2012-13
Committee for Tenure and Promotion	2008-2016
Faculty Senate Executive Committee	elected, 2007-2009, 2011-13
Faculty Senate	elected, 2006-2009, 2011-13
Executive Committee, <i>Music Cognition Symposium</i>	2003 - 2019
Decanal Review Committee, College of Arts, Sciences and Engineering	2010
College Steering Committee: Sound and Music Initiative	2007 - present
Provost's Mutlidisciplinary Advisory Committee	winter 2008
Susan B Anthony Institute for Women and Gender Studies	
Faculty Associate	1999-present
Curriculum Committee	1999-2005
Curriculum Director	2002-2004

HONORS AWARDS Rockefeller Foundation Fellowship, Bellagio, Italy July - August 2001

EDITING AND
REVIEWING *Word Structure*
Cognition
Morphology
Journal of the International Phonetic Association
International Journal of American Linguistics
Phonology
Laboratory Phonology
Journal of Phonetics
Journal of Autism and Developmental Disorders
Experimental and Theoretical Advances in Prosody (ETAP) 2
12th Conference on Laboratory Phonology
NSF, Linguistics Program
North East Linguistic Society (NELS)
West Coast Conference on Formal Linguistics (WCCFL)
Guest editor: *Journal of Phonetics*

ORGANIZATIONS Acoustical Society of America (ASA)
Linguistic Society of America (LSA)
Society for Music Perception and Cognition (SMPC)
International Phonetic Association (IPA)
Society for the Study of the Languages of America (SSILA)
Montana Native Plant Society