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Education

Ph.D., Neuroscience University of California, Los Angeles	2006
M.A., Linguistics University of California, Los Angeles	2002
B.A. (Honors), Linguistics University of Sydney	1998
<i>Summer education</i>	
Center for Research in Language, University of California, San Diego	2003
Center for Research in Language, University of California, San Diego	2002
Linguistic Society of America Institute, University of California, Santa Barbara	2001

Positions held

Assistant Professor Department of Speech, Language and Hearing Sciences, University of Arizona	2010–Present
Assistant Professor Department of Neurology, University of Arizona	2010–Present
Postdoctoral Research Scientist Department of Neurology, University of California, San Francisco	2007–10
Postdoctoral Research Scientist Department of Cognitive Sciences, University of California, Irvine	2006–07

Publications

Articles

Henry M, **Wilson SM**, Ogar J, Sidhu M, Rankin K, Cattaruzza T, Miller B, Gorno-Tempini ML, Seeley W. Neuropsychological, behavioral, and anatomical evolution in right temporal variant frontotemporal dementia: A longitudinal and post-mortem single case analysis. *NeuroCase* 2014; 20: 100–9.

Wilson SM, DeMarco AT, Henry ML, Gesierich B, Babiak M, Mandelli ML, Miller BL, Gorno-Tempini ML. What role does the anterior temporal lobe play in sentence-level processing? Neural correlates of syntactic processing in semantic PPA. *J Cogn Neurosci* 2014; in press.

Chiong W, **Wilson SM**, D’Esposito M, Kayser AS, Grossman SN, Poorzand P, Seeley WW, Miller BL, Rankin KP. The salience network causally influences default mode network activity during moral reasoning. *Brain* 2013; 136: 1929–41.

Wilson SM, Rising K, Stib MT, Rapcsak SZ, Beeson PM. Dysfunctional visual word form processing in progressive alexia. *Brain* 2013; 136: 1260–73.

DeLeon J, Gesierich B, Besbris M, Ogar J, Henry ML, Miller BL, Gorno-Tempini ML, **Wilson SM**. Elicitation of specific syntactic structures in primary progressive aphasia. *Brain Lang* 2012; 123: 183–90.

Gesierich B, Jovicich J, Riello M, Adriani M, Monti A, Brentari V, Robinson S, **Wilson SM**, Fairhall S, Gorno-Tempini ML. The anterior temporal lobes in semantics and naming: a functional activation study using optimized echo planar imaging. *Cereb Cor* 2012; 22: 2217–26.

Wilson SM, Galantucci S, Tartaglia MC, Gorno-Tempini ML. The neural basis of syntactic deficits in primary progressive aphasia. *Brain Lang* 2012; 122: 190–8.

Galantucci S, Tartaglia MC, **Wilson SM**, Henry ML, Filippi M, Agosta F, Dronkers NF, Henry RG, Ogar JM, Miller BL, Gorno-Tempini ML. White matter damage in primary progressive aphasias: a diffusion tensor tractography study. *Brain* 2011; 134: 3011–29.

Lee SE, Rabinovici GD, Mayo MC, **Wilson SM**, Seeley WW, DeArmond SJ, Huang EJ, Trojanowski JQ, Growdon ME, Jang JY, Sidhu M, See TM, Karydas AM, Jagust WJ, Weiner MW, Gorno-Tempini ML, Boxer AL, Geschwind MD, Rankin KP, Miller BM. Clinicopathological correlations in corticobasal degeneration. *Ann Neurol* 2011; 70: 327–40.

Ogar JM, Baldo JV, Brambati SM, **Wilson SM**, Henry ML, Miller BL, Dronkers NF, Gorno-Tempini ML. Semantic dementia and persisting Wernicke’s Aphasia: Linguistic and anatomical profiles. *Brain Lang* 2011; 117: 28–33.

Wilson SM, Galantucci S, Tartaglia MC, Rising K, Patterson D, Henry ML, Ogar JM, DeLeon J, Miller BM, Gorno-Tempini ML. Syntactic processing depends on the dorsal language pathway. *Neuron* 2011; 72: 397–403.

Agosta F, Henry RG, Migliaccio R, Neuhaus J, Miller BL, Dronkers NF, Brambati SM, Filippi M, Ogar JM, **Wilson SM**, Gorno-Tempini ML. Diffusion tensor-based tractography of language networks in semantic dementia. *Brain* 2010; 133: 286–99.

Baldo JV, Bunge SA, **Wilson SM**, Dronkers NF. Is relational reasoning dependent on language? a voxel-based lesion symptom mapping study. *Brain Lang* 2010; 113: 59–64.

Pa J, Possin KL, **Wilson SM**, Quitania LC, Kramer JH, Boxer AL, Weiner MW, Johnson JK. Gray matter correlates of set-shifting in neurodegenerative disease, mild cognitive impairment, and healthy controls. *J Int Neuropsychol Soc* 2010; Apr 7: 1–11.

Wilson SM, Dronkers NF, Ogar JM, Jang J, Growdon M, Agosta F, Henry M, Miller BL, Gorno-Tempini ML. Neural correlates of syntactic processing in the non-fluent variant of primary progressive aphasia. *J Neurosci* 2010; 30: 16845–54.

Wilson SM, Henry ML, Besbris M, Ogar JM, Dronkers NF, Jarrold W, Miller BL, Gorno-Tempini ML. Connected speech production in three variants of primary progressive aphasia. *Brain* 2010; 133: 2069–88.

Hubbard AL, **Wilson SM**, Callan DE, Dapretto M. Giving speech a hand: Gesture modulates activity in auditory cortex during speech perception. *Hum Brain Mapp* 2009; 30: 1028–37.

Rankin KP, Salazar A, Gorno-Tempini ML, Sollberger M, **Wilson SM**, Pavlic D, Stanley CM, Glenn S, Weiner MW, Miller BL. Detecting sarcasm from paralinguistic cues: Anatomic and cognitive correlates in neurodegenerative disease. *NeuroImage* 2009; 47: 2005–15.

Sollberger M, Stanley CM, **Wilson SM**, Gyurak A, Weiner MW, Miller BL, Rankin KP. Neural basis of interpersonal traits in neurodegenerative diseases. *Neuropsychologia* 2009; 47: 2812–27.

Wilson SM. Speech perception when the motor system is compromised. *Trends Cogn Sci* 2009; 13: 329–30.

Wilson SM, Brambati SM, Henry RG, Handwerker DA, Agosta F, Miller BL, Wilkins DP, Ogar JM, Gorno-Tempini ML. The neural basis of surface dyslexia in semantic dementia. *Brain* 2009; 132: 71–86.

Wilson SM, Isenberg AL, Hickok G. Neural correlates of word production stages delineated by parametric modulation of psycholinguistic variables. *Hum Brain Mapp* 2009; 30: 3596–608.

Wilson SM, Ogar JM, Laluz V, Growdon M, Jang J, Glenn S, Miller BL, Weiner MW, Gorno-Tempini ML. Automated MRI-based classification of primary progressive aphasia variants. *NeuroImage*. 2009; 47: 1558–67.

Cardinal KS, **Wilson SM**, Giesser BS, Drain AE, Sicotte NL. A longitudinal fMRI study of the paced auditory serial addition task. *Mult Scler* 2008; 14: 465–71.

Pa J, **Wilson SM**, Pickell H, Bellugi U, Hickok G. Neural organization of linguistic short-term memory is sensory modality-dependent: evidence from signed and spoken language. *J Cogn Neurosci* 2008; 20: 2198–210.

- Wilson SM**, Molnar-Szakacs I, Iacoboni M. Beyond superior temporal cortex: intersubject correlations in narrative speech comprehension. *Cereb Cor* 2008; 18: 230–42.
- Dick F, Saygin AP, Galati G, Pitzalis S, Bentrovato S, D’Amico S, **Wilson SM**, Bates E, Pizzamiglio L. What is involved and what is necessary for complex linguistic and nonlinguistic auditory processing: evidence from functional magnetic resonance imaging and lesion data. *J Cogn Neurosci* 2007; 19: 799–816.
- Meister IG, **Wilson SM**, Deblieck C, Wu AD, Iacoboni M. The essential role of premotor cortex in speech perception. *Cur Biol* 2007; 17: 1692–6.
- Aziz-Zadeh L, **Wilson SM**, Rizzolatti G, Iacoboni M. Congruent embodied representations for visually presented actions and linguistic phrases describing actions. *Cur Biol* 2006; 16: 1818–23.
- Iacoboni M, **Wilson SM**. Beyond a single area: motor control and language within a neural architecture for imitation encompassing Broca’s area. *Cortex* 2006; 43: 503–6.
- Wilson SM**, Iacoboni M. Neural responses to non-native phonemes varying in producibility: evidence for the sensorimotor nature of speech perception. *NeuroImage* 2006; 33: 316–25.
- Aziz-Zadeh L, Iacoboni M, Zaidel E, **Wilson SM**, Mazziotta J. Left hemisphere motor facilitation in response to manual action sounds. *Eur J Neurosci* 2004; 19: 2609–12.
- Saygin AP, **Wilson SM**, Dronkers NF, Bates E. Action comprehension in aphasia: Linguistic and non-linguistic deficits and their lesion correlates. *Neuropsychologia* 2004; 42: 1788–1804.
- Saygin AP, **Wilson SM**, Hagler D, Bates E, Sereno MI. Point-light biological motion perception activates human premotor cortex. *J Neurosci* 2004; 24: 6181–8.
- Wilson SM**, Saygin AP. Grammaticality judgment in aphasia: deficits are not specific to syntactic structures, aphasic syndromes or lesion sites. *J Cogn Neurosci* 2004; 16: 238–52.
- Wilson SM**, Saygin AP, Sereno MI, Iacoboni M. Listening to speech activates motor areas involved in speech production. *Nat Neurosci* 2004; 7: 701–2.
- Bates E, **Wilson SM**, Saygin AP, Dick F, Sereno MI, Knight RT, Dronkers NF. Voxel-based lesion-symptom mapping. *Nat Neurosci* 2003; 6: 448–50.
- Saygin AP, Dick F, **Wilson SM**, Dronkers NF, Bates E. Neural resources for processing language and environmental sounds: Evidence from aphasia. *Brain* 2003; 126: 928–45.
- Wilson SM**. A phonetic study of voiced, voiceless and alternating stops in Turkish. *CRL Newsletter* 2003; 15(1): 1–13.
- Wilson SM**. Lexically specific constructions in the acquisition of inflection in English. *J Child Lang* 2003; 30: 75–115.

Book

Wilson SM. *Coverbs and complex predicates in Wagiman*. Stanford: CSLI Publications; 1999.

Book chapters

Henry ML, **Wilson SM**, Rapcsak SZ. Primary progressive aphasia. In: Nair AK, Sabbagh M, editors. *Textbook of geriatric neurology*. New York: FT Press; 2014; in press.

Baldo JV, **Wilson SM**, Dronkers NF. Uncovering the neural substrates of language: a voxel-based lesion symptom mapping approach. In: Faust M, editor. *The Handbook of the Neuropsychology of Language: Volume 2: Language Processing in the Brain: Clinical Populations*. Oxford: Wiley-Blackwell; 2012. pp. 582–94.

Iacoboni M, Kaplan J, **Wilson SM**. A neural architecture for imitation and intentional relations. In: Nehaniv CL, Dautenhahn K, editors. *Imitation and Social Learning in Robots, Humans and Animals: Behavioral, Social and Communicative Dimensions*. Cambridge, UK: Cambridge University Press; 2007. pp. 71–87.

Dick F, Dronkers NF, Pizzamiglio L, Saygin AP, Small SL, **Wilson SM**. Language and the brain. In: Tomasello M, Slobin DI, editors. *Beyond nature-nurture: Essays in honor of Elizabeth Bates*. Mahwah, NJ: Lawrence Erlbaum; 2005. pp. 237–60.

Wilson SM, Saygin AP. Adverbs and functional heads in Turkish: Linear order and scope. In: Carmichael L, Huang C-H, Samiian V, editors. *Proceedings of the 2001 Western Conference in Linguistics*; vol. 13. Fresno, CA: CSU Publications; 2003.

Saygin AP, **Wilson SM**. Paradigm reanalysis and the representation of morphologically complex words in Turkish. In: Andronis M, Debenport E, Pycha A, Yoshimura K, editors. *CLS 38-2: The panels*. Chicago: Chicago Linguistic Society; 2002. pp. 285–98.

Publications related to linguistic fieldwork

Wilson SM. *Wakgala mahan matjjin Wagiman: Stories in the Wagiman language of Australia's Northern Territory*. Katherine: Diwurruwurru-jaru Aboriginal Corporation; 1998.

Wilson SM, Harvey M. *Wagiman online dictionary* [Internet]. Canberra, Australia: Australian Institute of Aboriginal and Torres Strait Islander Studies; 1999. Available from: http://www1.aiatsis.gov.au/exhibitions/e_access/digital/a339234/home.html.

Talks and presentations

Invited talks

The myth of Broca's area. 2013 Jan 4; Auditory Cognitive Neuroscience Society, Tucson, AZ.

Syntax and semantics in primary progressive aphasia. 2012 July 12; University of Queensland, Brisbane, Australia.

Syntax and semantics in primary progressive aphasia. 2012 May 23; Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany.

What are the functional roles of the dorsal and ventral components of the language network? 2012 Jan 5; Auditory Cognitive Neuroscience Society, Tucson, AZ.

Premotor cortex: First stop after the temporal lobe, but why? 2011 Jan 6; Auditory Cognitive Neuroscience Society, Tucson, AZ.

Language breakdown in neurodegenerative disease: Linking neural changes with linguistic deficits; 2010 Feb 10; Department of Speech, Language and Hearing Sciences, University of Arizona, Tucson, AZ.

Language breakdown in neurodegenerative disease: Correlating neural changes with linguistic deficits; 2009 Aug 25; Wisconsin Alzheimer's Disease Research Center, University of Wisconsin, Madison, WI.

Automated MRI-based classification of primary progressive aphasia variants; 2009 Jun 24; Veteran's Administration Northern California Health Care Service, San Francisco, CA.

Semantic processing; 2009 May 2; Short course lecture presented at: *61st Annual Meeting of the American Academy of Neurology*; 2009 Apr 25–May 2; Seattle, WA.

Automated MRI-based classification of primary progressive aphasia variants; 2009 Apr 28; Veteran's Administration Northern California Health Care Service, Martinez, CA.

Neuroimaging studies of speech production; 2009 Feb 9; Department of Linguistics, University of California, Berkeley, CA.

Neural evidence for the role of the sensorimotor system in linguistic representations; 2008 Apr 25; University of California, San Diego, CA.

Sensorimotor interactions in speech perception: evidence from functional neuroimaging studies; 2007 May 29; University of California, San Francisco, CA.

Neuroimaging studies of the role of speech motor areas in speech perception; 2007 Apr 30; Department of Linguistics, University of California, San Diego, CA.

Sensorimotor interactions in speech perception: evidence from functional neuroimaging. *Efference Copy, Auditory Feedback and Speech Production Conference*; 2006 Apr 7; University of California, San Francisco, CA.

The emergence of syntactic knowledge: the development of functional projections. 2005 Aug 23; Center for Brain and Language Seminar; Zao, Japan.

Voxel-based lesion-symptom mapping and the case of syntactic deficits in aphasia. Paper presented at: Center for Brain and Language Seminar; 2005 Aug 22; Zao, Japan.

Speech perception and the motor system. Paper presented at: Center for Brain and Language Seminar; 2005 Aug 21; Zao, Japan.

Conference presentations

Fisher JM, **Wilson SM**. Optimal design of speech perception fMRI studies for robust quantification of single trial activation patterns [Poster]. *Society for the Neurobiology of Language 2013 Annual Meeting*; 2013 Nov 6–8; San Diego, CA.

Wilson SM. The impact of vascular factors on language localization in the superior temporal sulcus [Platform presentation]. *Society for the Neurobiology of Language 2013 Annual Meeting*; 2013 Nov 6–8; San Diego, CA.

Wilson SM, Lam D, Babiak M, Chang EF. Voxel-based lesion-symptom mapping of naming, fluency and repetition deficits after surgical resection [Poster]. *Society for the Neurobiology of Language 2013 Annual Meeting*; 2013 Nov 6–8; San Diego, CA.

Wilson SM. Mapping the language network: Multimodal neuroimaging in primary progressive aphasia [Platform presentation]. *19th Annual Meeting of the Organization for Human Brain Mapping*; 2013 Jun 16–20; Seattle, WA.

Bonakdarpour B, Rapcsak SZ, DeMarco AT, Beeson, PM, **Wilson SM**. Hemodynamic response function variability in patients with aphasia [Poster]. *65th Annual Meeting of the American Academy of Neurology*; 2013 Mar 16–23; San Diego, CA.

DeMarco AT, Rising K, Rapcsak SZ, **Wilson SM**, Beeson PM. Neural substrates of improvement following treatment in a case of phonological agraphia/alexia [Poster]. *Clinical Aphasiology Conference*; 2013 May 28–Jun 2; Tucson, AZ.

Miller ZA, Rankin KP, Mandelli ML, Henry M, **Wilson SM**, Babiak M, Frazier D, Bettcher B, Wu T, Block N, Kettle R, Edwards K, Heggeli KA, Rosen H, Kramer JH, Rabinovici G, Graff-Radford NR, Seeley WW, Miller BL, Gorno-Tempini, ML. Hand preference and learning disability differentially distribute across PPA variants. *65th Annual Meeting of the American Academy of Neurology*; 2013 Mar 16–23; San Diego, CA.

Rapcsak SZ, DeMarco AT, **Wilson SM**, Beeson PM. Phonological alexia/agrapia reflects damage to the dorsal language pathway: Evidence from multimodal imaging [Platform presentation]. *65th Annual Meeting of the American Academy of Neurology*; 2013 Mar 16–23; San Diego, CA.

Beeson P, Rising K, Howard T, Northrop E, Wilhelm R, **Wilson SM**, Rapcsak S. The Nature and Treatment of Phonological Text Agraphia. *50th Annual Meeting of the Academy of Aphasia*; 2012 Oct 28-30; San Francisco, CA.

DeMarco A, Rising K, Rapcsak S, **Wilson SM**, Beeson P. Neural Support for Phonological Rehabilitation. *50th Annual Meeting of the Academy of Aphasia*; 2012 Oct 28-30; San Francisco, CA.

Wilson SM, Rising K, Stib MT, Rapcsak SZ, Beeson PM. Dysfunctional visual word form area in two cases of progressive alexia [Poster]. *The 2012 Arizona Alzheimer's Consortium Scientific Conference*; 2012 May 18; Phoenix, AZ.

Caso F, Gesierich B, Henry M, Rabinovici G, **Wilson SM**, Miller B, Seeley W, Gorno-Tempini ML. A case of nonfluent/agrammatic PPA with a PIB positive PET scan and Pick's pathology. *63rd Annual Meeting of the American Academy of Neurology*; 2011 Apr 9–16; Honolulu, HI.

Chiong W, **Wilson SM**, D'Esposito M, Zhou J, Grossman S, Poorzand P, Miller B, Rankin K. Decreased default mode network activation during personal moral judgment in frontotemporal dementia. *41st Annual Meeting of the Society for Neuroscience*; 2011 Nov 12-16; Washington, DC.

Chiong W, **Wilson SM**, D'Esposito M, Zhou J, Grossman S, Poorzand P, Miller B, Rankin K. Decreased default mode network activation during personal moral judgment in frontotemporal dementia. *63rd Annual Meeting of the American Academy of Neurology*; 2011 Apr 9–16; Honolulu, HI.

Davis C, Farias D, **Wilson SM**. Imaging the effects of implicit treatments for apraxia of speech. *49th Annual Meeting of the Academy of Aphasia*; 2011 Oct 15–19; Montreal, Canada.

Henry ML, Galantucci S, Tartaglia MC, Gesierich B, **Wilson SM**, Babiak M, Miller BL, Henry R, Gorno-Tempini ML. Neural bases of dyslexia in primary progressive aphasia [Poster]. *3rd Annual Neurobiology of Language Conference*; 2011 Nov 10–11; Annapolis, MD.

Wilson SM, Beeson PM, Rising K, Andersen SM, Stib M, Gendreau A, Rapcsak SZ. Dysfunctional visual word form area in a case of progressive alexia [Poster]. *3rd Annual Neurobiology of Language Conference*; 2011 Nov 10–11; Annapolis, MD.

Wilson SM, Galantucci S, Tartaglia MC, Rising K, Patterson D, Henry ML, Ogar JM, DeLeon J, Miller BM, Gorno-Tempini ML. White matter correlates of syntactic deficits in primary progressive aphasia [Poster]. *The 2011 Arizona Alzheimer's Consortium Scientific Conference*; 2011 Jun 10; Scottsdale, AZ.

Han YK, **Wilson SM**, McNealy K, Iacoboni M, Dapretto M. Left premotor and inferior parietal cortex activity in response to non-native speech sounds decreases from childhood to early adolescence [Poster]. *17th Annual Meeting of the Cognitive Neuroscience Society*; 2010 Apr 17-20; Montreal, Canada.

Han Y, **Wilson SM**, McNealy K, Shih V, Iacoboni M, Dapretto M. Neural basis of phoneme perception in early adolescence and Adulthood [Poster]. *16th Annual Meeting of the Organization for Human Brain Mapping*; 2010 Jun 6-10; Barcelona, Spain.

Henry M, Cattaruzza T, **Wilson SM**, Ogar J, Rankin K, Miller B, Seeley W, Gorno-Tempini ML. Neuropsychological, behavioral, and anatomical evolution in right temporal variant frontotemporal dementia: A longitudinal single case analysis. *Clinical Aphasiology Conference*; 2010 May 23-27; Isle of Palms, SC.

Henry ML, Gorno-Tempini ML, Beeson PM, **Wilson SM**, Andersen SM, Ogar JM, Miller BL, Rapcsak SZ. Neuropsychological mechanisms of surface dyslexia in semantic dementia [Poster]. *62nd Annual Meeting of the American Academy of Neurology*; 2010 Apr 10–17; Toronto, Canada.

Isenberg AL, **Wilson SM**, Hickok G. Cortical regions involved in semantic stages of word production [Poster]. *2nd Annual Neurobiology of Language Conference*; 2010 Nov 11–12; San Diego, CA.

Lee SE, Seeley WW, **Wilson SM**, Miller BL, Growdon M, Jang J, Rankin K, Jagust WJ, Weiner M, Gorno-Tempini ML, Rabinovici GD. Correlates of Alzheimer's pathology in corticobasal syndrome. *62nd Annual Meeting of the American Academy of Neurology*; 2010 Apr 10–17; Toronto, Canada.

Tartaglia MC, Galantucci S, **Wilson SM**, Henry M, Growdon M, Filippi M, Agosta F, Kramer J, Dronkers N, Miller B, Henry R, Gorno-Tempini ML. Tractography can be used for detecting abnormalities in primary progressive aphasia. *FTD 2010: 7th International Conference on Frontotemporal Dementias*; 2010 Oct 6-8; Indianapolis, IN.

Tartaglia MC, Galantucci S, **Wilson SM**, Shany-Ur T, Poorzand P, Growdon M, Jang J, Kramer JH, Miller BL, Gorno-Tempini ML, Rankin KP. White matter tract integrity corresponds with individual differences in emotional expression and sensitivity. *FTD 2010: 7th International Conference on Frontotemporal Dementias*; 2010 Oct 6-8; Indianapolis, IN.

Wilson SM, Galantucci S, Tartaglia MC, Gorno-Tempini ML. White matter correlates of syntactic deficits in primary progressive aphasia [Platform presentation]. *2nd Annual Neurobiology of Language Conference*; 2010 Nov 11–12; San Diego, CA.

Wilson SM, Henry M, Besbris M, Ogar JM, Miller BL, Gorno-Tempini ML. Connected speech production in three variants of primary progressive aphasia [Poster]. *62nd Annual Meeting of the American Academy of Neurology*; 2010 Apr 10–17; Toronto, Canada.

Agosta F, Henry RG, Migliaccio R, Neuhaus J, Miller BL, Dronkers N, Brambati SM, Filippi M, **Wilson SM**, Ogar JM, Gorno-Tempini ML. Diffusion tensor-based tractography of language networks in semantic dementia [Poster]. *61st Annual Meeting of the American Academy of Neurology*; 2009 Apr 25–May 2; Seattle, WA.

Wilson SM, Ogar HM, Agosta F, Miller BL, Dronkers NF, Gorno-Tempini ML. Neural correlates of syntactic processing in primary progressive aphasia [Poster]. *1st Annual Neurobiology of Language Conference*; 2009 Oct 15–16; Chicago, IL.

Wilson SM, Ogar HM, Agosta F, Miller BL, Dronkers NF, Gorno-Tempini ML. Syntactic processing in progressive non-fluent aphasia: the functional status of the left inferior frontal gyrus [Poster]. *16th Annual Meeting of the Cognitive Neuroscience Society*; 2009 Mar 21–24; San Francisco, CA.

Wilson SM, Ogar JM, Laluz V, Miller BL, Weiner MW, Gorno-Tempini ML. Automated MRI-based classification of primary progressive aphasia variants [Poster]. *15th Annual Meeting of the Organization for Human Brain Mapping*; 2009 Jun 18–23; San Francisco, CA.

Shu H, Vitali P, Solberger M, **Wilson SM**, Migliaccio R, Rosen HJ, Miller BL, Gorno-Tempini ML. Visual assessment of cortical atrophy in the differential diagnosis of dementia [Poster]. *60th Annual Meeting of the American Academy of Neurology*; 2008 Apr 12–19; Chicago, IL.

Wilson SM, Brambati SM, Henry RG, Handwerker DA, Wilkins DP, Ogar JM, Miller BL, Gorno-Tempini ML. Surface dyslexia in semantic dementia: the neural basis for a compensatory process revealed by functional MRI [Platform presentation]. *38th Annual Meeting of the Society for Neuroscience*; 2008 Nov 15–19; Washington, DC.

Wilson SM, Isenberg AL, Hickok GS. Modulation of brain regions involved in overt picture naming by parametric variation in word frequency, word length and reaction time [Poster]. *15th Annual Meeting of the Cognitive Neuroscience Society*; 2008 Apr 12–15; San Francisco, CA.

Molnar-Szakacs I, **Wilson SM**, Iacoboni M. A point of view: subconscious perspective-taking during observation of natural gestures [Poster]. *12th Annual Meeting of the Organization for Human Brain Mapping*; 2006 Jun 11–15; Florence, Italy.

Wilson SM, Molnar-Szakacs I, Iacoboni M. Involvement of default state areas in audiovisual speech comprehension revealed by model-free intersubject correlational analysis [Poster]. *12th Annual Meeting of the Organization for Human Brain Mapping*; 2006 Jun 11–15; Florence, Italy.

Aziz-Zadeh L, **Wilson SM**, Iacoboni M. A comparison of premotor areas activated by action observation and action phrases [Poster]. *35th Annual Meeting of the Society for Neuroscience*; 2005 Nov 12–16; Washington, DC.

Molnar-Szakacs I, **Wilson SM**, Iacoboni M. I see what you're saying: the neural correlates of gesture perception [Poster]. *35th Annual Meeting of the Society for Neuroscience*; 2005 Nov 12–16; Washington, DC.

Wilson SM, Iacoboni M. Brain areas modulated by listening to non-native phonemes varying in producibility [Poster]. *35th Annual Meeting of the Society for Neuroscience*; 2005 Nov 12–16; Washington, DC.

Borovsky A, Saygin AP, **Wilson SM**, Dronkers NF. Lesion mapping of conversational speech production deficits in aphasia [Poster]. *34th Annual Meeting of the Society for Neuroscience*; 2004 Oct 23–27; San Diego, CA.

Saygin AP, **Wilson SM**, de Sa VR. Visual form facilitates audiovisual synchrony detection [Poster]. *4th Annual Meeting of the Vision Sciences Society*; 2004 Apr 30–May 5; Sarasota, FL.

Wilson SM, Iacoboni M. Shared neural systems for imitation and language [Platform presentation]. *Analog Communication: Evolution, Brain Mechanisms, Dynamics, Simulation. 11th Altenberg Workshop in Theoretical Biology*; 2004 Sep 27-29; Konrad Lorenz Institute for Evolution and Cognition Research, Altenberg, Austria.

Wilson SM, Saygin AP, Sereno MI, Iacoboni M. Two distinct foci for speech production in the anterior and posterior segments of primary motor cortex [Platform presentation]. *34th Annual Meeting of the Society for Neuroscience*; 2004 Oct 23–27; San Diego, CA.

Baldo JV, **Wilson SM**, Dronkers NF. Two distinct brain regions crucial for problem solving revealed with voxel-based lesion symptom mapping [Poster]. *33rd Annual Meeting of the Society for Neuroscience*; 2003 Nov 8–12; New Orleans, LA.

Dick F, Saygin AP, **Wilson SM**, Sereno MI, Pitzalis S, Galati G, Benvivuto S, D'Amico S, Pizzamiglio L, Bates E. What is involved, and what is necessary for complex linguistic and non-linguistic auditory processing—a quantitative comparison [Poster]. *10th Annual Meeting of the Cognitive Neuroscience Society*; 2003 Mar 29–Apr 1; New York, NY.

Saygin AP, Dronkers N, **Wilson SM**, Ludy C, Bates E. Pantomime interpretation and reading comprehension in patients with aphasia [Poster]. *10th Annual Meeting of the Cognitive Neuroscience Society*; 2003 Mar 29–Apr 1; New York, NY.

Saygin AP, **Wilson SM**, Dick F, Dronkers N, Bates E. Neural correlates of non-linguistic impairments in aphasia [Poster]. *9th Annual Meeting of the Organization for Human Brain Mapping*; 2003 Jun 18–22; New York, NY.

Saygin AP, **Wilson SM**, Hagler Jr., DJ, Bates E, Sereno MI. Brain areas involved in the processing of biological motion: Lesion-symptom mapping and fMRI [Poster]. *9th Annual Meeting of the Organization for Human Brain Mapping*; 2003 Jun 18–22; New York, NY.

Saygin AP, **Wilson SM**, Hagler Jr., DJ, Bates E, Sereno MI. Visual and motor areas in the human brain are involved in the perception of point-light biological motion [Poster]. *33rd Annual Meeting of the Society for Neuroscience*; 2003 Nov 8–12; New Orleans, LA.

Wilson SM, Bates E, Saygin AP, Dick F, Sereno MI, Knight RT, Dronkers NF. Voxel-based lesion-symptom mapping [Poster]. *10th Annual Meeting of the Cognitive Neuroscience Society*; 2003 Mar 29–Apr 1; New York, NY.

Wilson SM, Bates E, Saygin AP, Dick F, Sereno MI, Knight RT, Dronkers NF. Voxel-based lesion-symptom mapping: An application to speech fluency and language comprehension [Poster]. *9th Annual Meeting of the Organization for Human Brain Mapping*; 2003 Jun 18–22; New York, NY.

Wilson SM, Saygin AP, Schleicher E, Dick F, Bates E. Grammaticality judgment under non-optimal processing conditions: Deficits induced in normal participants resemble those observed in aphasic patients [Poster]. *41st Annual Meeting of the Academy of Aphasia*; 2003 Oct 19–21; Vienna, Austria. [Long-form abstract in: *Brain Lang* 2003; 87: 67–8].

Wilson SM, Saygin AP, Sereno MI, Iacoboni M. Listening to speech activates motor areas involved in speech production [Platform presentation]. *33rd Annual Meeting of the Society for Neuroscience*; 2003 Nov 8–12; New Orleans, LA.

Wilson SM. A computer program to assist in learning a morphologically complex language [Platform presentation]. *UC Language Consortium Conference on Language Learning and Teaching*; 2002 Mar 9; University of California, Irvine, CA.

Wilson SM. A neural network with delay lines for modeling the time course of word recognition [Poster]. *9th Annual Meeting of the Cognitive Neuroscience Society*; 2002 Apr 14–16; San Francisco, CA.

Wilson SM. Coverbs and complex predicates in Wagiman [Platform presentation]. *3rd International Workshop on Australian Aboriginal Languages*; 1998 Apr 28–29; Nijmegen, Netherlands.

Local talks

The role of the anterior temporal lobe in sentence processing: Evidence from semantic dementia. 2013 Dec 14; UA–ASU Cognitive Science Conclave, Tucson, AZ.

Localizing language regions with high-resolution functional MRI: The challenge of veins. 2013 Aug 26; Department of Speech, Language and Hearing Sciences, University of Arizona, Tucson, AZ.

What has changed in the brains of individuals who can no longer read normally? Functional and structural imaging of neurodegenerative reading deficits. 2012 Dec 19; Radiology Research Seminar, University of Arizona, Tucson, AZ.

Progressive alexia: Neurodegeneration of the reading network. 2012 Dec 3; Department of Speech, Language and Hearing Sciences, University of Arizona, Tucson, AZ.

Neural correlates of recovery from aphasia after acute stroke. 2012 Oct 23; Neuroscience Data Blitz, Tucson, AZ.

Mapping the language network: Multimodal neuroimaging in primary progressive aphasia. 2012 Mar 23; Cognitive Science Colloquium, University of Arizona, Tucson, AZ.

Mapping functional anatomy by identifying regionally-specific and stimulus-related BOLD fluctuations that are coherent across subjects; 2011 Dec 3; UA–ASU Cognitive Science Conclave, Tucson, AZ.

New approaches to mapping the functional neuroanatomy of the language network; 2011 Sep 26; Biomedical Engineering Seminar Series, University of Arizona, Tucson, AZ.

Mapping the language network: Multimodal neuroimaging in primary progressive aphasia; 2011 Sep 9; Grand Rounds, Department of Neurology, University of Arizona, Tucson, AZ.

The anatomy of the language network: Insights from neurodegenerative aphasias; 2011 Apr 1; Department of Linguistics, University of Arizona, Tucson, AZ.

Mapping the language network: Recent studies and new directions; 2011 Mar 25; Advanced Research Institute for Biomedical Imaging Spring Workshop, University of Arizona, Tucson, AZ.

White matter correlates of syntactic deficits in primary progressive aphasia; 2010 Nov 22; Department of Speech, Language and Hearing Sciences, University of Arizona, Tucson, AZ.

Language breakdown in neurodegenerative disease: Linking neural changes with linguistic deficits; 2009 Aug 29; Grand Rounds, Memory and Aging Center, Department of Neurology, University of California, San Francisco, CA.

Educational talks

The aging brain: What goes right, what goes wrong, and what you can do about it; 2012 Apr 22; St. Philip's In The Hills Episcopal Church, Tucson, AZ [with Gayle DeDe].

Healthy brain aging; 2012 Mar 18; Family Caregiver and Senior Resource Fair, St. Philip's In The Hills Episcopal Church, Tucson, AZ.

Healthy brain aging: Myths and facts; 2011 Oct 12; El Pueblo Senior Center, Tucson, AZ.

Healthy brain aging; 2011 Sep 28; Udall Carol West Senior Addition, Udall Regional Center, Tucson, AZ.

Primary progressive aphasia: Speech and language, anatomy and etiology; 2011 Feb 15; NSSLHA, University of Arizona, Tucson, AZ.

Real mind reading: New technologies that allow us to study the human brain at work; 2010 Mar 16; Belmont Library, Belmont, CA.

Teaching

Courses taught

Language Science (SLHS 340) Speech, Language and Hearing Sciences, University of Arizona	Fall 2010–Present
Cognitive Neuroscience of Language (SPH 430/530) Speech, Language and Hearing Sciences, University of Arizona	Spring 2012–Present
Seminal Readings in Language (SPH 696A) Speech, Language and Hearing Sciences, University of Arizona	Spring 2011

Guest lectures

Multi-voxel pattern analysis Brain Mapping Workshop, University of Arizona	2013 Oct 7
Neuroimaging techniques: Lab [two sections] NSCS 315 Methods in Neuroscience and Cognitive Science, University of Arizona	2013 Apr 5
Neuroimaging techniques NSCS 315 Methods in Neuroscience and Cognitive Science, University of Arizona	2013 Apr 1
Aphasia, functional imaging, and linguistic theory LING 449A Biolinguistics, University of Arizona	2013 Feb 7
Neural basis of language: Discussion PSY 506B/COGS 517 Foundations of Cognitive Psychology, University of Arizona	2013 Jan 24

Neural basis of language PSY 506B/COGS 517 Foundations of Cognitive Psychology, University of Arizona	2013 Jan 22
[Neuroanatomy lab assistant] Nervous System Block, College of Medicine, University of Arizona	2012 Nov 15
The neuroanatomy of language: Insights from multimodal imaging in primary progressive aphasia LING/PSY 432 Psychology of Language, University of Arizona	2012 Nov 8
Neuroimaging techniques: Lab NSCS 315 Methods in Neuroscience and Cognitive Science, University of Arizona	2012 Mar 30
Neuroimaging techniques NSCS 315 Methods in Neuroscience and Cognitive Science, University of Arizona	2012 Mar 27
Language: an introduction NSCS 200 Fundamentals of Neuroscience and Cognitive Science, University of Arizona	2012 Mar 27
What kinds of linguistic concepts and distinctions does the brain respect? LING 449A Biolinguistics, University of Arizona	2012 Feb 22
How I became a “language neuroscientist” SPH 270 Scientific Thinking in Speech and Hearing Sciences, University of Arizona	2011 Dec 2
Abstract-writing workshop Undergraduate Biology Research Program, University of Arizona	2011 Nov 7
Mass univariate analysis of fMRI data with the general linear model Brain Mapping Workshop, University of Arizona	2011 Oct 26
Cortical anatomy of speech perception SPH 420/520 Cognitive Neuroscience of Hearing, University of Arizona	2011 Oct 20
Language and the brain LING 532 Psychology of Language, University of Arizona	2011 Apr 14
[Neuroanatomy lab assistant] Nervous System Block, College of Medicine, University of Arizona	2010 Oct 11
Methodologies in cognitive neuroscience SPH 362 Neurobiology of Communication, University of Arizona	2010 Sep 14
Introduction to language Department of Psychology, California State University, Fullerton	2007 Apr 10
What can we learn about language with functional neuroimaging? Department of Linguistics, University of California, Los Angeles	2006 Apr 17

Linguistic approaches to aphasia 2002 Apr 22
Department of Cognitive Science, University of California, San Diego

Acoustic filter theory of speech production 1999
Department of Linguistics, University of Sydney

Teaching assistantships

Cellular and Systems Neuroscience, UCLA Fall 2003, 2004, 2005
Instructor: Scott Chandler

Syntax II, UCLA Spring 2002
Instructor: Timothy Stowell

Introduction to Linguistics, UCLA Spring 2001
Instructor: Carson Schütze

Advising

Ph.D. student

Julia Fisher (co-advised with Andrew Wedel) Spring 2013–Present

M.S. student (thesis)

Stephanie Yagata Fall 2013–Present

Graduate independent study

Shiloh Drake Summer 2013
Andrew DeMarco Fall 2011

Undergraduate independent study

Rachel Coon Spring 2013, Fall 2013
Laura Hook Spring 2013, Fall 2013
Angelica McCarron Spring 2013, Fall 2013 (WAESO)
Alex Swiderski Spring 2013, Fall 2013
Lauren Zimmerman Spring 2012, Fall 2012, Spring 2013, Fall 2013
Kelli Busby Spring 2013
Chelsey Salli Fall 2012, Spring 2013
Karen Peralta Spring 2012, Fall 2012 (WAESO), Spring 2013
Leah Swanson Spring 2011, Fall 2012, Spring 2013 (UBRP)
Temre Brandt Spring 2012
Hannah Payne Spring 2012
Kaitlyn Kelhetter Spring 2012
Ashley Chavez Spring 2011, Summer 2011 (MARC), Fall 2011, Spring 2012 (WAESO)
Adam Gendreau Spring 2011, Fall 2011

Alisa Berg	Spring 2011
Lua Hedayati	Spring 2011
Darci McInnes	Spring 2011
Rachel Mueller	Spring 2011
Matt Stib	Spring 2011
Lisa Wilson	Spring 2011

Funding sources indicated: Western Alliance to Expand Student Opportunities (WAESO); Minority Access to Research Careers (MARC); Undergraduate Biology Research Program (UBRP).

Honors and awards

Conference Fellowship, Lessons for Success Research Conference: Developing the Emerging Scientist, American Speech-Language-Hearing Association	2011
Dissertation Year Fellowship, University of California, Los Angeles	2005–06
Travel Award, Organization for Human Brain Mapping	2003
President’s Fellowship, University of California, Los Angeles	2000–03
University Medal, University of Sydney	1997

Professional activities

Member, Arizona Health Sciences Center Advisory Council: Neuroscience	2013–Present
Member, MRI Operations Committee, University of Arizona	2013–Present
Member, Cognitive Science Executive Committee, University of Arizona	2013–Present
Member, Curriculum Committee, Department of Speech, Language and Hearing Sciences, University of Arizona	2012–Present
Member, Curriculum Committee, Neuroscience and Cognitive Science Undergraduate Major, University of Arizona	2012–Present
Member, Technology Advisory Committee, School of Mind, Brain and Behavior, University of Arizona	2011– Present
Session Chair, 19th Annual Meeting of the Organization for Human Brain Mapping	2013
Faculty Participant in Judging Posters, MGE@MSA Arizona Student Research Conference	2013
Member, MRI Steering Committee, University of Arizona	2012–13

Member, Undergraduate Admissions/Policy Committee, Department of Speech,
Language and Hearing Sciences, University of Arizona 2010–12

Membership in scientific societies

American Speech-Hearing Association	2012–Present
Society for the Neurobiology of Language	2011–Present
Organization for Human Brain Mapping	2003–Present
Society for Neuroscience	2003–Present
Cognitive Neuroscience Society	2001–Present
Linguistic Society of America	2001–02

Reviewer

Granting agencies

National Science Foundation
United States–Israel Binational Science Foundation

Publishers

CSLI Publications
Elsevier
Harvard University Press
Oxford University Press

Conferences

Annual Meeting of the Organization for Human Brain Mapping	2013
Neurobiology of Language Conference	2010–13
Italian Scientists and Scholars in North America Foundation	2012

Journals

American Journal of Speech-Language Pathology
Annals of Neurology
Brain
Brain and Language (received “Top Reviewer” award)
Cerebral Cortex
Cognitive Brain Research
Cognitive Neuroscience
Cortex
Current Biology
Experimental Brain Research
European Journal of Neuroscience
Frontiers in Evolutionary Neuroscience
Frontiers in Language Sciences
Journal of Cognitive Neuroscience
Journal of the International Neuropsychological Society
Journal of Neurology
Journal of Neurology, Neurosurgery, and Psychiatry
Journal of Neuroscience

Human Brain Mapping
 Language and Cognitive Processes
 Language Learning and Development
 Nature Neuroscience
 Neurobiology of Aging
 Neurocase
 NeuroImage
 NeuroImage: Clinical
 Neurology
 Neuron
 Neuropsychologia
 PLoS One
 Proceedings of the National Academy of Sciences of the United States of America
 Proceedings of the Royal Society B Biological Sciences
 Psychological Science
 Trends in Cognitive Sciences

Research grants

As principal investigator

Calibrating blood oxygen level-dependent (BOLD) functional MRI by mapping venous anatomy and cerebro-vascular reactivity Subproject of State of Arizona DHS Contract ADHS14-052688 (PI: Eric Reiman)	2013–14
Equipment for stimulus presentation, response collection and patient monitoring for fMRI (co-PIs: Wilson, Plante, Trouard, Ryan) University of Arizona Technology Research Initiative Fund (TRIF) Optics/Imaging Program	2013
Functional neuroimaging of language processing in primary progressive aphasia National Institutes of Health (NIH) National Institute on Deafness and Other Communication Disorders (NIDCD) R03 DC010878	2010–13
Connected speech in neurosurgery patients Western Alliance to Expand Student Opportunities (WAESO)	2013
Language mapping with functional MRI in Spanish-speaking individuals Western Alliance to Expand Student Opportunities (WAESO)	2012
Language deficits after neurosurgery Western Alliance to Expand Student Opportunities (WAESO)	2012
Neural correlates of recovery from vascular aphasia University of Arizona Faculty Seed Grant	2011–12
Functional neuroimaging of lexical and sublexical processes in reading UCSF Graduate Division Postdoctoral Scholar Research Award	2009–10

Functional neuroimaging of language processing in vascular aphasia [pilot study] 2008–09
Neuroscience Imaging Center, University of California, San Francisco

As collaborator

Progressive aphasia: cognition anatomy and progression 2012–17
NIH NINDS R01 NS050915
PI: Maria Luisa Gorno-Tempini
Role: Consultant

Genetic, genomic, and imaging biomarkers in degenerative dementia 2009–11
NIH NIA RC1 AG035610
PI: Giovanni Coppola
Role: Consultant

Progressive aphasia: cognition anatomy and progression 2008–12
NIH NINDS R01 NS050915
PI: Maria Luisa Gorno-Tempini
Role: Key Personnel