

Curriculum Vitae

Susan Shaiman (Kimelman), Ph.D., CCC-SLP
Department of Communication Science and Disorders
School of Health and Rehabilitation Sciences
University of Pittsburgh

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Education and Training

Undergraduate

1975-1978 University of Pittsburgh, Pittsburgh, PA B.A., Speech & Hearing Science and Psychology (*Magna Cum Laude; Phi Beta Kappa*)

Graduate

1979-1981 Columbia University, New York, NY M.S., Speech Pathology
1983-1988 University of Wisconsin-Madison, Madison, WI Ph.D., Communicative Disorders

Post-Doctoral

1988-1990 Kresge Hearing Research Laboratory of the South Post-Doctoral Research Fellow
Department of Otorhinolaryngology
Louisiana State University Medical Center, New Orleans, LA

Appointments and Positions

Academic

1981-1983 Department of Communication Disorders Clinical Supervisor
Case Western Reserve University, Cleveland, OH
1983 Department of Communication Disorders Lecturer
Case Western Reserve University, Cleveland, OH
1983-1987 University of Wisconsin-Madison, Madison, WI Project Assistant
NIH Grant #NS-13274, Title: Neurogenic Speech Disorders

1989	Department of Special Education Southeastern Louisiana University, Hammond, LA	Adjunct Professor
1990-1996	Graduate Department of Speech-Language Pathology Faculty of Medicine, University of Toronto, Toronto, ON	Assistant Professor, Graduate Faculty
1993-1996	Program in Neuroscience University of Toronto, ON	Assistant Professor Cross Appointment
1997-2005	Department of Communication Science and Disorders School of Health and Rehabilitation Sciences University of Pittsburgh, Pittsburgh, PA	Assistant Professor, Graduate Faculty
2005-present	Department of Communication Science and Disorders School of Health and Rehabilitation Sciences University of Pittsburgh, Pittsburgh, PA	Associate Professor, Graduate Faculty, and (from 2017-2021) Director of SLP Master's Program
2009- present	VA Pittsburgh Healthcare System Department of Veterans Affairs	Research Associate

Non-Academic

1979-1980	Veterans Administration Medical Center, Brooklyn, NY	Speech Pathology Trainee
1981-1983	Cleveland Hearing and Speech Center, Cleveland, OH	Speech-Language Pathologist
1991-1996	Department of Speech-Language Pathology The Toronto Hospital, Toronto, ON	Research Associate

Certification and Licensure

Specialty Certification

1981-present	American Speech-Language-Hearing Association, Certificate of Clinical Competence in Speech-Language Pathology
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Professional Licensure

1996-present	Pennsylvania Bureau of Professional and Occupational Affairs, Speech-Language Pathology
1991-1996	The College of Audiologists and Speech-Language Pathologists of Ontario, Canada, Speech-Language Pathology
1988-1991	Louisiana Board of Examiners for Speech Pathology and Audiology, Speech-Language Pathology
1981-1983	State of Ohio Board of Speech Pathology and Audiology, Speech-Language Pathology

Memberships in Professional and Scientific Societies

1993-present	Academy of Neurologic Communication Disorders and Stroke
1989-1999	Society for Neuroscience
1988-1996	American Association of Phonetic Sciences
1985-present	Acoustical Society of America
1981-present	American Speech-Language-Hearing Association

Honors and Awards

2016-2017	Finalist, 2017 Chancellor's Distinguished Teaching Award, University of Pittsburgh
2015	University of Pittsburgh Nominee, Council for Advancement and Support of Education/Carnegie Foundation for the Advancement of Teaching, U.S. Professor of the Year
2008	Faculty Associate Program, Office of Residence Life, University of Pittsburgh (nominated by undergraduate student)
2004	School of Health & Rehabilitation Sciences Dean's Distinguished Teaching Award, University of Pittsburgh
2004	Honorary Member, Golden Key International Honour Society; Keynote Speaker, University of Pittsburgh Induction Ceremony, November 6, 2004
2004	Students' Choice Award, Student Government Board, University of Pittsburgh
1996-1997	Nominated, The Faculty Award, Awards of Excellence, University of Toronto
1979	<i>Phi Beta Kappa</i> , University of Pittsburgh
1979-1980	National AMBUCS (American Business Clubs) Scholarship
1978	<i>Magna cum laude</i> graduate, University of Pittsburgh
1978-1979	Elbert H. Gary Scholarship, University of Pittsburgh
1978-1979	Clyde E. Speers Scholarship, University of Pittsburgh
1977-1978	University Scholarship, University of Pittsburgh
1976-1977	Andrew Mellon Scholarship, University of Pittsburgh
1975-1976	University Scholarship, University of Pittsburgh

Publications

Refereed Data-Based Articles

- Chrabaszc, A., Wang, D., Lipski, W.J., Bush, A., Crammond, D.J., **Shaiman, S.**, Dickey, M.W., Holt, L.L., Turner, R.S., Fiez, J.A., Richardson RM (November 2021). Simultaneously recorded subthalamic and cortical LFPs reveal different lexicality effects during reading aloud. Journal of Neurolinguistics. <https://doi.org/10.1016/j.jneuroling.2021.101019>
- Dastolfo-Hromack C., Bush A., Chrabaszc A., Alhourani A., Lipski W., Crammond D.J., **Shaiman S.**, Dickey M.W., Holt L.L., Turner R.S., Fiez J.A., Richardson R.M. (September 2021). Articulatory gain predicts patterns of neural activity in the subthalamic nucleus and motor cortex. Cerebral Cortex. <https://academic.oup.com/cercor/advance-article-abstract/doi/10.1093/cercor/bhab251/6362001?redirectedFrom=fulltext>
- Kim, H.S, **Shaiman, S.** and McNeil, M.R. (revision in process). Is the production of lexical stress stored in motor programs separate from consonants? Journal of Speech, Language and Hearing Research.

- Dastolfo-Hromack, C., Gartner-Schmidt, J., Young, V., Gillespie, A., Pirnia, T., Richardson, M., **Shaiman S.** (*FLAE*) (revision in process). Acoustic and aerodynamic comparison of patients with Parkinson's disease and vocal fold atrophy.
- Kurosu, A., Pratt, SR, Palmer, C., **Shaiman, S.** (in preparation). Action sentence compatibility effect with swallowing-related action words. Journal of Experimental Psychology.
- Kurosu, A., Pratt, SR, Palmer, C., **Shaiman, S.** (2021). Investigation of embodied language processing on command-swallow performance in healthy participants. Journal of Speech, Language and Hearing Research, 64(1), 75-90. https://doi.org/10.1044/2020_JSLHR-20-00048
- Chrabaszcz, A., Neumann, W.J., Stretcu, O., Lipski, W., Bush, A., Dastolfo-Hromack, C., Wang, D., Crammond, D.J., **Shaiman, S.**, Dickey, M.W., Holt, L.L. Turner, R.S., Fiez, J.A. and Richardson, R.M. (2019). Subthalamic nucleus and sensorimotor cortex activity during speech production. Journal of Neuroscience, 39(14), 2698-2708. DOI: [10.1523/JNEUROSCI.2842-18.2019](https://doi.org/10.1523/JNEUROSCI.2842-18.2019)
- Shembel, A., Hartnick, C., Bunting, G., Ballif, C., **Shaiman, S.**, de Guzman, V., and Verdolini Abbott, K. (2019). Perceptual clinical features in exercise-induced laryngeal obstruction (EILO): Towards improved diagnostic approaches. Journal of Voice, 33(6), 880-893. DOI: [10.1016/j.jvoice.2018.05.006](https://doi.org/10.1016/j.jvoice.2018.05.006)
- Shembel, A., Hartnick, C., Bunting, G., Ballif, C., Van Swearingen, J., **Shaiman, S.**, Johnson, A., de Guzman, V., and Verdolini Abbott, K. (2018). The study of laryngoscopic and autonomic patterns in exercise-induced laryngeal obstruction. Annals of Otology, Rhinology & Laryngology, 127(11), 754-762. DOI: [10.1177/0003489418796524](https://doi.org/10.1177/0003489418796524)
- Lipski W.J., Alhourani A., Pirnia T., Jones P.W., Dastolfo-Hromack C., Helou L.B., Crammond D.J., **Shaiman S.**, Dickey M.W., Holt L.L., Fiez J.A., Turner R.S., and Richardson R.M. (2018). Subthalamic nucleus neurons differentially encode early and late aspects of speech production. The Journal of Neuroscience 38(4), 5620-5631. DOI: [10.1523/JNEUROSCI.3480-17.2018](https://doi.org/10.1523/JNEUROSCI.3480-17.2018)
- Meigh, K.M., **Shaiman, S.**, Tompkins, C., Verdolini Abbott, K. and Nokes-Malach, T. (2018). What memory representation is acquired during nonword speech production learning? The influence of stimulus features and training modality on nonword encoding. Cogent Psychology, 5, 1-24. DOI: [10.1080/23311908.2018.1493714](https://doi.org/10.1080/23311908.2018.1493714)
- Tichenor, S., Leslie, P., **Shaiman, S.** and Yaruss, J.S. (2017). Speaker and observer perceptions of physical tension during stuttering. Folia Phoniatica et Logopaedica, 69, 180-189. DOI: [10.1159/000486032](https://doi.org/10.1159/000486032)
- Lee, J., **Shaiman, S.** and Weismer, G. (2016). Relationship between tongue positions and formant frequencies in female speakers. Journal of the Acoustical Society of America, 139(1), 426-440. DOI: [10.1121/1.4939894](https://doi.org/10.1121/1.4939894)
- Tlumak, A.I., Szuminsky, N.J., **Shaiman, S.**, and Pratt, S.R. (2013). Unexpected intensity changes in the ear canal during a F₀-shifted feedback experiment. Journal of the Acoustical Society of America, 134, EL413-419. DOI: [10.1121/1.4820461](https://doi.org/10.1121/1.4820461)
- Rusiewicz, H.L., **Shaiman, S.**, Iverson, J.M., and Szuminsky, N. (2013). Effects of perturbation and prosody on the coordination of speech and gesture. Speech Communication, 57, 283-300. DOI: [10.1016/j.specom.2013.06.004](https://doi.org/10.1016/j.specom.2013.06.004)

- Rusiewicz, H.L., **Shaiman, S.**, Iverson, J.M., and Szuminsky, N. (2013). Effects of prosody and position on the timing of deictic gestures. Journal of Speech, Language, and Hearing Research, 56, 458-470. DOI: [10.1044/1092-4388\(2012/11-0283\)](https://doi.org/10.1044/1092-4388(2012/11-0283))
- Allothmany, N.S., Boston, J.R., Li, C.C., **Shaiman, S.**, Durrant, J.D. (under revision). Classification of visemes using visual cues. IEEE Transactions on Audio, Speech and Language Processing.
- Yoo, S.D., Boston, J.R., El-Jaroudi, A., Li, C.C., Durrant, J.D., Kovacyk, K., **Shaiman, S.** (2007). Speech signal modification to increase intelligibility in noisy environments, Journal of the Acoustical Society of America, 122, 1138-1149. DOI: [10.1121/1.2751257](https://doi.org/10.1121/1.2751257)
- Tantibundhit, C., Boston, J.R., Li, C.C., Durrant, J.D., **Shaiman, S.**, Kovacyk, K., and El-Jaroudi, A. (2007). New signal decomposition method based speech enhancement. Signal Processing, 87, 2607-2628. DOI: [10.1016/j.sigpro.2007.04.014](https://doi.org/10.1016/j.sigpro.2007.04.014)
- Kendall, D.L., McNeil, M.R., **Shaiman, S.**, and Pratt, S. (2005). Phonetic encoding of infrequent articulatory phonetic transitions. Aphasiology, 19(1), 39-52. DOI: [10.1080/02687030444000606](https://doi.org/10.1080/02687030444000606)
- Steinhauer, K., Grayhack, J.P., Smiley-Oyen, A., **Shaiman, S.**, and McNeil, M.R. (2004). The relationship among voice onset, voice quality, and fundamental frequency: A dynamical perspective. Journal of Voice, 18(4), 432-442. DOI: [10.1016/j.jvoice.2004.01.006](https://doi.org/10.1016/j.jvoice.2004.01.006)
- Gross, R.D., Atwood, C.W., Grayhack, J.P., and **Shaiman, S.** (2003). Lung volume effects on pharyngeal swallowing physiology. Journal of Applied Physiology, 95, 2211-2217. DOI: [10.1152/jappphysiol.00316.2003](https://doi.org/10.1152/jappphysiol.00316.2003)
- Shaiman, S.** and Gracco, V.L. (2002). Task-specific sensorimotor interactions in speech production. Experimental Brain Research, 146, 411-418. DOI: [10.1007/s00221-002-1195-5](https://doi.org/10.1007/s00221-002-1195-5)
- Shaiman, S.** (2002). Articulatory control of vowel length for contiguous jaw cycles: The effects of speaking rate and phonetic context. Journal of Speech, Language, and Hearing Research, 45, 663-675. DOI: [10.1044/1092-4388\(2002/053\)](https://doi.org/10.1044/1092-4388(2002/053))
- Shaiman, S.** (2001). Kinematics of compensatory vowel shortening: The effect of speaking rate and coda composition on intra- and inter-articulatory timing. Journal of Phonetics, 29(1), 89-107. DOI: [10.1006/jpho.2001.0133](https://doi.org/10.1006/jpho.2001.0133)
- Kendall, D.L., McNeil, M.R., **Shaiman, S.**, and Simonian, M. (1999). Phonetic variability in flaccid dysarthric speech. Advances in Speech-Language Pathology, 1(2), 107-111. DOI: [10.3109/14417049909167164](https://doi.org/10.3109/14417049909167164)
- Shaiman, S.**, Adams, S.G., and Kimelman, M.D.Z. (1997). Velocity profiles of lip protrusion across changes in speaking rate. Journal of Speech and Hearing Research, 40, 144-158. DOI: [10.1044/jslhr.4001.144](https://doi.org/10.1044/jslhr.4001.144)
- Shaiman, S.**, Adams, S.G., and Kimelman, M.D.Z. (1995). Timing relationships of the upper lip and jaw across changes in speaking rate. Journal of Phonetics, 23, 119-128. DOI: [10.1016/S0095-4470\(95\)80036-0](https://doi.org/10.1016/S0095-4470(95)80036-0)
- Shaiman, S.** and Porter, R.J., Jr. (1991). Different phase-stable relationships of the upper lip and jaw for production of vowels and diphthongs. Journal of the Acoustical Society of America, 90, 3000-3007. DOI: [10.1121/1.401774](https://doi.org/10.1121/1.401774)

Shaiman, S. (1989). Kinematic and electromyographic responses to perturbation of the jaw. Journal of the Acoustical Society of America, *86*, 78-88. DOI: [10.1121/1.398223](https://doi.org/10.1121/1.398223)

Cavallo, S.A., Baken, R.J. and **Shaiman, S.** (1984). Frequency perturbation characteristics of pulse register phonation. Journal of Communication Disorders, *17*, 231-243. DOI: [10.1016/0021-9924\(84\)90028-5](https://doi.org/10.1016/0021-9924(84)90028-5)

Book Chapters

Goode, R.C., Mertens, R., **Shaiman, S.**, and Mertens, J. (1998). Voice, breathing, and the control of exercise intensity. In: R.L. Hughson, D.A. Cunningham, and J. Duffin (eds.), Advances in Modeling and Control of Ventilation. New York: Plenum Press, 223-229.

Published Abstracts and Presentations at State, National, and International Meetings

Dastolfo-Hromack C, Lipski W, Bush A, Bohland J, Turner R, Chandrasekaran B, Fraundorf S, Holt LL, Fiez J, **Shaiman S**, Richardson RM (to be submitted May 2022). Articulation and vocal intensity coupling occurs in the subthalamic nucleus. Annual Meeting of the Society for Neurobiology of Language, Philadelphia, PA.

Dastolfo-Hromack, C., Lipski, W., Bush, A., Fraundorf, S., Bohland, J., Turner, R.S., Chandrasekaran, B., Holt, L.L., Fiez, J.A., **Shaiman, S.**, and Richardson, R.M. (submitted August 2021). Phonetic-Intensity Encoding Occurs in the Subthalamic Nucleus. Conference on Motor Speech 2022

Shaiman, S. (May 2021). Generalizing CSD Science Foundations to Academic & Clinical Curricula. ASHA Teaching Symposium on Foundational CSD Science Courses: Innovations in Teaching and Learning: Speech, Language, and Hearing Sciences. Invited as Feature Speaker. <https://www.asha.org/events/teaching-symposium/>

Neel, A., **Shaiman, S.**, Kisenwether, J. and Lewis, S. (2020). Teaching cultural competence in basic science courses. American Speech-Language-Hearing Association 2020 SIGNature Series (Professional Development).

Chrabaszcz, A., Wang, D., Lipski, W., Bush, A., Crammond, D.J., **Shaiman, S.**, Dickey, M.W., Holt, L.L., Turner, R.S., Fiez, J.A. and Richardson, R.M. (2020). Simultaneously recorded subthalamic and cortical LFPs reveal different lexicality effects during reading aloud. Society for the Neurobiology of Language, Virtual (COVID-19).

Shaiman, S. (2019). Focus on Physiology for Graduate Education in Speech Pathology. American Speech-Language-Hearing Association Annual Convention, Orlando, FL.

Kurosu, A., Pratt, S., Palmer, C., **Shaiman, S.**, and Fiez, J. (2019). Investigation of embodied language processing on command-swallow performance in healthy participants. American Speech-Language-Hearing Association Annual Convention, Orlando, FL.

Chrabaszcz, A., Neumann, J. Stretcu, O., Lipski, W., Bush, A., Dastolfo-Hromack, C., Wang, D., Crammond, D.J., **Shaiman, S.**, Dickey, M.W., Holt, L.L., Turner, R.S., Fiez, J.A. and Richardson, R.M. (2018). Cortical and subcortical representations of consonant articulatory features. Annual Meeting of the Society for Neuroscience, San Diego, CA. <https://www.abstractsonline.com/pp8/#!/4649/presentation/32651>

- Dastolfo-Hromack, C., Alhourani, A., Lipski, W., Crammond, D.J., **Shaiman, S.**, Dickey, M.W., Holt, L.L., Turner, R.S., Fiez, J.A. and Richardson, R.M. (2018). Local field potentials in the human subthalamic nucleus predict scaling of speech production. Annual Meeting of the Society for Neuroscience, San Diego, CA. <https://www.abstractsonline.com/pp8/#!/4649/presentation/32652>
- Lipski, W., Richardson, R.M., Bush, A., Wang, D., Dastolfo-Hromack, C., Chrabaszcz, A., Crammond, D.J., **Shaiman, S.**, Turner, R.S., and Fiez, J.A. (2018). Neuronal firing in the subthalamic nucleus encodes chunks in speech sequences. Annual Meeting of the Society for Neuroscience, San Diego, CA. <https://www.abstractsonline.com/pp8/#!/4649/presentation/32653>
- Wang, D., Lipski, W., Bush, A., Dastolfo-Hromack, C., Chrabaszcz, A., Crammond, D.J., **Shaiman, S.**, Turner, R.S., Fiez, J.A. and Richardson, R.M. (2018). Differential modulation of neuronal activity in the ventral lateral nucleus of the thalamus during speech production. Annual Meeting of the Society for Neuroscience, San Diego, CA. <https://www.abstractsonline.com/pp8/#!/4649/presentation/29838>
- Kim, H.S., McNeil, M.R. and **Shaiman, S.** (2018). Influence of speech production experience on size and structure of speech motor programs. American Speech-Language-Hearing Association Annual Convention, Boston, MA.
- Shembel, A., Verdolini Abbott, K., Hartnick, C., Bunting, G., Ballif, C., de Guzman, V., and **Shaiman, S.** (2018). Exercise-induced paradoxical vocal fold motion disorder: Clinical features and mechanisms. 47th Annual Symposium: Care of the Professional Voice, Philadelphia, PA.
- Shaiman, S.** (2018). Using speech science to improve clinical decision making in motor speech disorders. 2018 Pennsylvania Speech and Hearing Association Convention, Pittsburgh, PA.
- Dastolfo-Hromack, C., Gartner-Schmidt, J., Young, V., Gillespie A., Pirnia T., Richardson M., **Shaiman S.** (*FLAE*) (2018). Acoustic and Aerodynamic Comparison of Vocal Dynamics in Parkinson’s Disease and Vocal Fold Atrophy. 2018 Motor Speech Conference, Savannah, GA.
- Lipski, W.J., Alhourani, A., Pirnia, T., Jones, P.W., Dastolfo-Hromack, C., Helou, L.B., Crammond , D.J., **Shaiman, S.**, Dickey, M.W., Holt, L.L., Turner, R.S., Fiez, J.A., Richardson, R.M. (2017). Speech encoding in the human subthalamic nucleus. (oral presentation) Annual Meeting of the Society for Neuroscience, Washington, DC.
- Lipski, W.J., Alhourani, A., Pirnia, T., Jones, P.W., Dastolfo-Hromack, C., Helou, L.B., Crammond , D.J., **Shaiman, S.**, Dickey, M.W., Holt, L.L., Turner, R.S., Fiez, J.A., Richardson, R.M. (2017). Speech encoding in the human subthalamic nucleus. (poster) Annual Meeting of the Society for Neurobiology of Language, Baltimore, MD.
- Shaiman, S.** (2017). Infusing clinical practice into the teaching of Speech Science. (2-hour seminar) American Speech-Language-Hearing Association Annual Convention, Los Angeles, CA.
- Pomfret, S., Coyle, J., Sejdic, E., and **Shaiman, S.** (2017). Comparison of swallowing outcomes in single vs. double lung transplant recipients. American Speech-Language-Hearing Association Annual Convention, Los Angeles, CA.
- Barkmeier-Kraemer, J., Grigos, M. and **Shaiman, S.** (2016). Using Speech Science to improve your clinical decision making and practice. Invited Short Course sponsored by SIG 19, American Speech-Language-Hearing Association Annual Convention, Philadelphia, PA.
- Almelaifi, R., McNeil, M.R. and **Shaiman, S.** (2016). The role of Focus of Attention on the learning of non-

native speech sounds. American Speech-Language-Hearing Association Annual Convention, Philadelphia, PA.

- Tichenor, S., Leslie, P., **Shaiman, S.** and Yaruss, J.S. (2015). Speaker and observer perceptions of physical tension during stuttering. American Speech-Language-Hearing Association Annual Convention, Denver, CO.
- Meigh, K., **Shaiman, S.** and Tompkins, C. (2014). Rule- versus instance-based learning in speech-like behavior: An evaluation of transfer and motor class effects. American Speech-Language-Hearing Association Annual Convention, Orlando, FL.
- Kim, H.S., **Shaiman, S.**, and McNeil, M.R. (2014). Does learned motor control for lexical stress generalize across different consonantal contexts? American Speech-Language-Hearing Association Annual Convention, Orlando, FL.
- Kim, H.S., **Shaiman, S.**, and McNeil, M.R. (2014). Will learned supra-segmental GMPs generalize across different segmental GMPs? 17th Biennial Conference on Motor Speech, Sarasota, FL.
- Lee, J. and **Shaiman, S.** (2013). Relationship between tongue range of motion and acoustic vowel space. American Speech-Language-Hearing Association Annual Convention, Chicago, IL.
- Lee, J. and **Shaiman, S.** (2012). Relationship between articulatory acoustic vowel space and articulatory kinematic vowel space. 164th Meeting of the Acoustical Society of America, Kansas City, MO.
- Szuminsky, N.J., Tlumak, A.I., Pratt, S.R., and **Shaiman, S.** (2012). Unexpected intensity changes during pitch shift experiment. 16th Biennial Conference on Motor Speech, Santa Rosa, CA.
- Rusiewicz, H.L., **Shaiman, S.**, Iverson, J.M., & Szuminsky, N. (2011). Temporal entrainment of prosodic stress and pointing gestures. Presentation at the annual ASHA Revisited Meeting of the Southwestern Pennsylvania Speech-Language-Hearing Association (SWPSHA), Pittsburgh, PA.
- Rasetshwane, D.N., Boston, J.R., Durrant, J.D., Yoo, S.D., Li, C.-C. and **Shaiman, S.** (2011). Speech enhancement by combination of transient emphasis and noise cancellation. 2011 IEEE Digital Signal Processing & Signal Processing Education Workshop, Sedona, AZ. DOI: [10.1109/DSP-SPE.2011.5739197](https://doi.org/10.1109/DSP-SPE.2011.5739197)
- Rusiewicz, H. **Shaiman, S.**, Iverson, J.M., and Szuminsky, N. (2010). Entrainment of speech and gesture: Effects of perturbation and prosody. American Speech-Language-Hearing Association Annual Convention, Philadelphia, PA.
- Meigh, Kimberly M. and **Shaiman, S.** (2010). Evaluation of a comparable control parameter for speech and nonspeech: The effect of amount of practice on intraoral pressure accuracy. 15th Biennial Conference on Motor Speech, Savannah, GA.
- Rusiewicz, H. **Shaiman, S.**, Iverson, J.M., Szuminsky, N. and Dollaghan, C. (2009). Temporal synchrony of prosodic stress and pointing gestures. American Speech-Language-Hearing Association Annual Convention, New Orleans, LA.

- Shaiman, S.**, Kotler, J.B., Meigh, K.M., McNeil, M.R., Szuminsky, N.J., and Verdolini, K. (2008). Motor learning and transfer along two continua of complexity for nonspeech oral gestures. 14th Biennial Conference on Motor Speech, Monterey, CA.
- Shaiman, S.**, McNeil, M.R., Szuminsky, N.J., Meigh, K.M. and Kotler, J.B. (2006). Motor learning of volitional nonspeech oral movements: Intraoral pressure and articulatory kinematics. 13th Biennial Conference on Motor Speech, Austin, TX.
- Yoo, S., Boston, R., Durrant, J.D., Kovacyk, K., Karn, S., **Shaiman, S.**, El-Jaroudi, A. and Li, C.-C. (2005). Speech enhancement based on transient speech information. 2005 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics, New Paltz, NY.
- Yoo, S., Boston, R., Durrant, J.D., Kovacyk, K., Karn, S., **Shaiman, S.**, El-Jaroudi, A. and Li, C.-C. (2005). Relative energy and intelligibility of decomposed speech components. 2005 IEEE International Conference on Acoustics, Speech, and Signal Processing, Philadelphia, PA
- Yoo, S., Boston, R., Durrant, J.D., Kovacyk, K., Karn, S., **Shaiman, S.** and Li, C.-C. (2004). Relative energy and intelligibility of transient speech components. European Signal Processing Conference, Vienna, Austria. DOI: [10.1109/ASPAA.2005.1540169](https://doi.org/10.1109/ASPAA.2005.1540169)
- Shaiman, S.**, McNeil, M.R., and Szuminsky, N.J. (2004). Motor learning of volitional nonspeech oral movements: intraoral pressure and articulatory kinematics. 147th Meeting of the Acoustical Society of America, New York, NY. (Abstract) Journal of the Acoustical Society of America, 115(5) Pt. 2, 2430, 2004.
- Shaiman, S.** and McNeil, M.R. (2004). Motor learning of volitional nonspeech oral movements. 12th Biennial Conference on Motor Speech, Albuquerque, NM.
- Gross, R.D., Atwood, C.W., Grayhack, J.P., and **Shaiman, S.** (2002). Lung volume effects on pharyngeal swallowing physiology. 98th International Conference of the American Thoracic Society, Atlanta, GA.
- Kimelman, M.D.Z. and **Shaiman, S.** (2001). Relative acoustic measures of narrative-level emphatic stress. American Speech-Language-Hearing Association Annual Convention, New Orleans, LA. (Abstract) The ASHA Leader, 6(15), 128, 2001.
- Kendall, D.L., McNeil, M.R., and **Shaiman, S.** (2001). Phonetic encoding of infrequent articulatory phonetic transitions. Clinical Aphasiology Conference, Santa Fe, NM.
- Shaiman, S.** (2001). Stability of intra- and inter-articulatory timing for contiguous jaw cycles. 141st Meeting of the Acoustical Society of America, Chicago, IL. (Abstract) Journal of the Acoustical Society of America, 109(5) Pt. 2, 2446, 2001.
- Kimelman, M.D.Z. and **Shaiman, S.** (2000). Intensity patterns of narrative level emphatic stress. American Speech-Language-Hearing Association Annual Convention, Washington, D.C. (Abstract) The ASHA Leader, 5(16), 143, 2000.
- Kimelman, M.D.Z. and **Shaiman, S.** (1999). Fundamental frequency of narrative level emphatic stress. American Speech-Language-Hearing Association Annual Convention, San Francisco, CA. (Abstract) The ASHA Leader, September/October, 76, 1999.

- Shaiman, S.** (1999). Kinematics of compensatory vowel shortening: Intra- and interarticulatory timing. 138th Meeting of the Acoustical Society of America, Columbus, OH. (Abstract) Journal of the Acoustical Society of America, 106(4) Pt. 2, 2242, 1999.
- Flores, D.K., McNeil, M.R., **Shaiman, S.**, and Simonian, M. (1998). Variability in flaccid dysarthric speech. Ninth Biennial Conference on Motor Speech, Tucson, AZ.
- Kimelman, M.D.Z. and **Shaiman, S.** (1997). Temporal features of narrative level emphatic stress. American Speech-Language-Hearing Association Annual Convention, Boston, MA. (Abstract) The ASHA Leader, 2, 90, 1997.
- Shaiman, S.** (1997). The effect of task manipulation on the temporal ordering of articulatory events. 133rd Meeting of the Acoustical Society of America, State College, PA. (Abstract) Journal of the Acoustical Society of America, 101(5) Pt. 2, 3176, 1997.
- Mertens, R.W., Goode, R.C., **Shaiman, S.**, and Mertens, D.J. (1997). Ventilatory sounds as an index of exercise intensity. Annual Meeting of the Canadian Society for Exercise Physiology, Toronto, ON.
- Shaiman, S.** (1996). Articulatory kinematics of compensatory vowel shortening: The effect of speaking rate and phonetic context. Conference on Motor Speech, Amelia Island, FL.
- Shaiman, S.**, Kimelman, M.D.Z., and Adams, S.G. (1995). Coarticulatory kinematics and speaking rate. American Speech-Language-Hearing Association Annual Convention, Orlando, FL. (Abstract) Asha, 37, 89, 1995.
- Goode, R.C., Sharp, A., and **Shaiman, S.** (1993). Speech, breathlessness, and monitoring exercise intensity. Annual Convention of the Canadian Physiological Society, Mont Tremblant, Quebec. (Abstract) Canadian Journal of Physiology and Pharmacology, 72, Avi, 1993.
- Kimelman, M.D.Z., **Shaiman, S.**, Adams, S.G., and Skory, C.A. (1993). Voice onset time and vowel duration across multiple speech rates in normal and Parkinsonian speakers. Canadian Acoustical Association Annual Convention, Toronto, ON. (Abstract) Canadian Acoustics, 21, 55-56, 1993.
- Shaiman, S.**, Kimelman, M.D.Z., and Adams, S.G. (1993). Kinematic analysis of coarticulation and speaking rate. Canadian Acoustical Association Annual Convention, Toronto, ON. (Abstract) Kinematic analysis of coarticulation and speaking rate. Canadian Acoustics, 21, 53-54, 1993.
- Shaiman, S.**, Adams, S.G., and Kimelman, M.D.Z. (1993). Interarticulator timing across changes in rate. Third Seminar on Speech Production: Models and Data, Old Saybrook, CT.
- Kimelman, M.D.Z., **Shaiman, S.** and Adams, S.G. (1992). Acoustic analyses of fricative and vowel durations across multiple rates of speech. Conference on Motor Speech, Boulder, CO.
- Kimelman, M.D.Z., Adams, S.G., **Shaiman, S.**, and Smith, J.K. (1992). Acoustic measures of normal and Parkinsonian speech across speech rates. American Speech-Language-Hearing Association Annual Convention, San Antonio, TX. (Abstract) Asha, 34, 110, 1992.
- Shaiman, S.**, Adams, S.G., Kimelman, M.D.Z., and Vincent, K.E. (1992). The effect of rate manipulation on coarticulation. American Speech-Language-Hearing Association Annual Convention, San Antonio, TX. (Abstract) Asha, 34, 173, 1992.
- Shaiman, S.** and Porter, R.J., Jr. (1990). Task-dependent interarticulator phasing. American Speech-Language-

Hearing Association Annual Convention, Seattle, WA. (Abstract) Asha, 32, 182, 1990.

Shaiman, S. (1988). Task-specific sensorimotor actions following jaw perturbations. American Speech-Language-Hearing Association Annual Convention, Boston, MA. (Abstract) Asha, 30, 140, 1988.

Shaiman, S. and Abbs, J.H. (1987). Phonetic task-specific utilization of sensorimotor actions. American Speech-Language-Hearing Association Annual Convention, New Orleans, LA. (Abstract) Asha, 29, 126, 1987.

Shaiman, S., Abbs, J.H., and Gracco, V.L. (1986). Evidence for comparable neural control of speech and nonspeech movements. American Speech-Language-Hearing Association Annual Convention, Detroit, MI. (Abstract) Asha, 28, 111, 1986.

Abbs, J.H., **Shaiman, S.**, and Gracco, V.L. (1985). Task-dependent sensorimotor actions are inherent in speech motor programs. Society for Neuroscience Annual Meeting, Dallas, TX. (Abstract) Society for Neuroscience, 11, 76, 1985.

Shaiman, S., Abbs, J.H., and Gracco, V.L. (1985). Sensorimotor contributions to oral-laryngeal coordination for speech. Society for Neuroscience Annual Meeting, Dallas, TX. (Abstract) Society for Neuroscience, 11, 76, 1985.

Shaiman, S. (1983). Objective data collection in the diagnosis and management of vocal pathology. Ohio Speech and Hearing Association Annual Convention Cleveland, OH.

Professional Activities

Teaching

Courses Taught

University of Pittsburgh, Pittsburgh, PA (since 1997)

- CSD 1023: Anatomy and Physiology of Speech
- CSD 1026: Speech Science
- CSD 1027: Laboratory in Anatomy and Physiology of Speech
- CSD 1030: Laboratory in Speech Science
- CSD 1230: Introduction to Speech-Language Pathology
- CSD 1902: Directed Study
- CSD 2000: Research and Thesis Master's Degree
- CSD 2039: Motor Speech Disorders
- CSD 2043: Fundamentals of Speech-Language Pathology for Audiologists
- CSD 2060: Proseminar
- CSD 2081: Research Strategies and Tactics in Communication Disorders
- CSD 2130: Neurogenic Language and Cognitive Communication Disorders 1
- CSD 2479: Seminar in SLP
- CSD 2503: Applied Aerodigestive Physiology I (formerly Clinical Instrumentation in SLP)
- CSD 2520: Mentored Clinical Internship
- CSD 2970: Teaching Practicum
- CSD 2971: Research Practicum
- CSD 2972: Examination
- CSD 2990: Independent Study
- CSD 3000: Dissertation Research PhD Degree

- CSD 3479: Research Seminar in SLP
- CSD 3902: Directed Study
- CSD 3971: Research Practicum for PhD
- CAS 1900: Internship

University of Toronto, Toronto, ON, Canada (1990-1996)

- SLP 1522: Speech Physiology and Acoustics
- SLP 1527: Physical Analysis of Speech Disorders
- SLP 1528: Research Project in Speech-Language Pathology

Southeastern Louisiana University, Hammond, LA (1989)

- SLH 213: Anatomy and Physiology of the Speech and Hearing Mechanism

Case Western Reserve University, Cleveland, OH (1983)

- COSI 100: Introduction to Human Communication

Other Teaching: Invited Lectures and Seminars

- | | |
|--------------|---|
| 2014 | CSD 1904: SHRS Study Abroad in Ireland, University of Pittsburgh, Pittsburgh, PA. |
| 1999-present | Anatomy & Physiology of Speech and Motor Speech Disorders. CSD 1230: Introduction to Communication Disorders (undergraduate), University of Pittsburgh, Pittsburgh, PA. |
| 2002 | Objective and subjective assessment of voice: Bridging the Gap. Compulsory Figures for Voice, Levels 1 & 2: Theory to Application (continuing education seminar), University of Pittsburgh, Pittsburgh, PA. |
| 1998 | Speech motor control. HRS 2356: Concepts and Principles Related to Sensory Motor Control I (graduate), University of Pittsburgh, Pittsburgh, PA. |
| 1998, 1999 | Anatomy and physiology of speech and swallowing. HRS 1022: Occupational Therapy Anatomy Course (undergraduate), University of Pittsburgh, Pittsburgh, PA. |
| 1997 | Acoustic characteristics of speech and voice. CSD2479: Seminar in Speech Pathology, University of Pittsburgh, Pittsburgh, PA. |
| 1991-1995 | Instrumental evaluation of patients with voice disorders. Department of Otolaryngology, Core Programme, University of Toronto (series of lectures to medical residents) |
| 1991-1995 | Physiology and acoustics of voice production. Department of Otolaryngology, Core Programme, University of Toronto (series of lectures to medical residents) |
| 1990 | Evaluation of voice disorders using videostroboscopy. Department of Otolaryngology, Veterans Administration Medical Center, New Orleans, LA. |
| 1989, 1990 | Physiology of voice disorders. Department of Otorhinolaryngology, Louisiana State University Medical Center, New Orleans, LA. |
| 1989, 1990 | Overview of speech and language disorders. Department of Nursing, Louisiana State University Medical Center, New Orleans, LA. |

Dissertations, Theses, and Research Projects Directed

- 2022 Dastolfo-Hromack, Christina. "Neural correlates of phonetic-intensity coding." Ph.D. Dissertation, Department of Communication Science and Disorders, University of Pittsburgh.
- 2020 McGovern, Katherine. "Acoustic intensity and speech breathing kinematics in a patient with Parkinson's Disease." Master of Science Thesis, Department of Communication Science and Disorders, University of Pittsburgh.
- 2020 Gates Jennifer. "The ability of persons with Parkinson's disease to manipulate vocal intensity and articulatory precision in an intra-operative setting." Master of Science Thesis, Department of Communication Science and Disorders, University of Pittsburgh.
- 2018 Kim, Hyun Seung. "The influence of speech production experience on the size and the structure of the speech motor program." Ph.D. Dissertation, Department of Communication Science and Disorders, University of Pittsburgh. (co-directed with M. McNeil).
- 2017 Shembel, Adrianna. Ph.D. Dissertation, Department of Communication Science and Disorders, University of Pittsburgh. (co-directed with K. Verdolini Abbott)
- 2017 Dastolfo-Hromack, Christina. Ph.D. Pre-Dissertation, Department of Communication Science and Disorders, University of Pittsburgh.
- 2014 Meigh, Kimberly M. "Rule- versus instance-based learning in speech-like behavior: An evaluation of transfer and motor class effects." Ph.D. Dissertation, Department of Communication Science and Disorders, University of Pittsburgh.
- 2013 Kim, Hyun Seung. "Will learned supra-segmental GMPs generalize across different segmental GMPs?" Pre-Dissertation Project, Department of Communication Science and Disorders, University of Pittsburgh. (co-directed with M. McNeil).
- 2010 Rusiewicz, Heather L. "The role of prosodic stress and speech perturbation on the temporal synchronization of speech and deictic gestures." Ph.D. Dissertation, Department of Communication Science and Disorders, University of Pittsburgh.
- 2010 Meigh, Kimberly M. "Evaluation of a comparable control parameter for speech and nonspeech: The effect of amount of practice on intraoral pressure accuracy." Pre-Dissertation Project, Department of Communication Science and Disorders, University of Pittsburgh.
- 2008 Klusek, Jessica. "Comparison of Speech and Nonspeech Intraoral Pressure Waveform Characteristics." Master of Science Thesis, Department of Communication Science and Disorders, University of Pittsburgh.
- 2006 Julie Kotler. "Motor Learning and Transfer Along Two Continua of Complexity for Nonspeech Oral Gestures: Quantity and Consistency of Intraoral Pressure Peaks." Master of Science Thesis, Department of Communication Science and Disorders, University of Pittsburgh.
- 2002 Brajot, Francois. "Kinematic characteristics of motor learning in voluntary oral-motor productions." Master of Science Thesis, Department of Communication Science and Disorders, University of Pittsburgh.
- 1999 Kendall, Diane (Flores). "Phonetic encoding of infrequent articulatory phonetic transitions." Ph.D. Dissertation, Department of Communication Science and Disorders, University of Pittsburgh (co-directed with M. McNeil).

- 1996 Hanna, Elizabeth and Pittiglio, Anna. “Psychoacoustical study of singer’s formant: Effect of bandwidth and spectral slope on the perception of loudness.” Master of Health Science research project, Graduate Department of Speech Pathology, University of Toronto (co-directed with R. Detweiler).
- 1993 Chan, Kim and Salsky, Marnie. “Articulatory coordination in normal subjects across rates: Kinematic characteristics.” Master of Health Science research project, Graduate Department of Speech Pathology, University of Toronto.
- 1992 Vincent, Karen. “A kinematic investigation of the effect of rate on coarticulation.” Master of Health Science research project, Graduate Department of Speech Pathology, University of Toronto.

Post-Doctoral Advisory Committee

2017-2019 Christina Cerkevich, Systems Neuroscience Institute, University of Pittsburgh, K99/R00 application

Doctoral Dissertation Committee Member (University of Pittsburgh)

2021- Azure Wilson
 2016-2018 Rebecca Hayes
 2015-2018 Atsuko Kurosu
 2012-2014 Ye Yi (Abby)
 2012-2014 Aaron Ziegler
 2012-2014 Leah Helou
 2009-2013 David Byrne
 2010-2013 Chayadevie Nanjundeswaran
 2012-2013 Amanda Gillespie
 2012 Gregory Genna
 2010-2012 Ruba Al Melaifi
 2007-2009 Nicole Li
 2007-2009 Maria Dietrich
 2008-2009 Daniel Rasetshwane (Department of Electrical & Computer Engineering)
 2007-2009 Nazeeh Alothmany (Department of Electrical & Computer Engineering)
 2006-2008 Fawzi Alorifi (Department of Electrical & Computer Engineering)
 2005-2009 Douglas Roth
 2005-2006 Elizabeth Urban Grillo
 2003-2005 Ryan Branski
 2001-2003 Jianxun Zhou
 2000-2004 Janice Vance
 1999-2001 Roxann Gross
 1998-2000 Kimberly Steinhauer

Doctoral Comprehensive Examination Committee Member (University of Pittsburgh)

2022-	Erin Lucatorto
2019-2020	Cara Donohue
2018-2020	Yina Quique
2016	Traci Akiki (CScD)
2015-2016	Rebecca Hayes
2015	Sujini Ramachandar
2014-2015	Adrianna Shembel
2014-2015	Atsuko Kurosu
2012-2013	Gregory Genna
2011	Ye Yi (Abby)
2011-2012	Leah Helou
2010-2011	Aaron Ziegler
2010-2011	Amanda Gillespie
2009-2010	Ruba Al Melaifi
2008-2009	Kristin Pelczarski
2008	David Byrne
2007	Jee Eun Sung
2006-2007	Nicole Li
2005-2006	Maria Dietrich
2004-2005	Elizabeth Urban Grillo
2003-2005	Heather Leavy Rusiewicz
2003	Ryan Branski
2003	Brett Kluetz
2000-2001	Jianxun Zhou
1999-2000	Janice Vance
1998-1999	Roxann Gross
1997-1998	Kimberly Steinhauer
1997-1998	Diane Flores (Kendall)

Doctoral Plan of Study Committee Member (University of Pittsburgh)

2019-2021	Erin Lucatorto
2019-	Robert Cavanaugh
2018-2019	Cara Donohue
2018-	Alex Swiderski
2017-	Amanda Mahoney
2016-2018	Yina Quique
2015-2017	Seth Tichenor
2015-2017	Caryn Herring
2014-	Rebecca Hayes
2012-	Adrianna Shembel
2012-2016	Sujini Ramachandar
2011-2013	Greg Genna
2010-2014	Leah Helou
2009-2010	Aaron Ziegler
2009-2011	Amanda Gillespie
2006-2014	Ye Yi (Abby)
2007-2009	Chayadevie Nanjundeswaran
2007-2009	April Scott
2007-2009	Ying Yang
2005-2009	Kimberly Meigh
2005-2006	Brenda Smolky

2004-2008	Nicole Li
2004-2007	Sharon Gretz
2004-2009	Ruba Al Melaifi
2004-2008	Jee Eun Sung
2004-2005	Maria Dietrich
2004-2008	Kristin Pelczarski
2003-2005	Elizabeth Urban
2003-2004	Jocelyn Marzan
2003-2005	David Byrne
2001-2003	Ryan Branski
2001-2003	Cari Tellis
2000-2004	William Hula
1999-2003	Brett Kluetz
1998-2001	Martin Brodsky
1997-1999	Janice Vance
1997	Kimberly Steinhauer
1997-1998	Kimberly Cottrell

Master's Thesis Committee Member

2021-2022	Emma Becker (Department of Communication Science & Disorders, University of Pittsburgh)
2018-2019	Diana Becker (Department of Communication Science & Disorders, University of Pittsburgh)
2018-2019	Lindsay Rozynek (Department of Communication Science & Disorders, University of Pittsburgh)
2017-2018	Sarah Pomfret (Department of Communication Science & Disorders, University of Pittsburgh)
2016-2017	Maurice Goodwin (Department of Communication Science & Disorders, University of Pittsburgh)
2016-2017	Shawn Gyke (Department of Communication Science & Disorders, University of Pittsburgh)
2012-2013	Seth Tichenor (Department of Communication Science & Disorders, University of Pittsburgh)
2010-2011	Christina Dastolfo (Department of Communication Science & Disorders, University of Pittsburgh)
2007-2008	Jessica Todd (Department of Communication Science & Disorders, University of Pittsburgh)
2007-2008	Ilana Silverman (Department of Communication Science & Disorders, University of Pittsburgh)
1997-1998	Lisa Petrille (Department of Communication Science & Disorders, University of Pittsburgh)
1997-1998	Heather Rosenblatt (Department of Communication Science & Disorders, University of Pittsburgh)
1995-1998	Robert Mertens (Department of Physiology, University of Toronto)
1995-1996	Roxann MacMillan, D.D.S. (Department of Dentistry, University of Toronto)
1995-1996	Jennifer Anderson, M.D. (thesis director, Department of Speech-Language Pathology, University of Toronto)
1993-1994	Karin Theron (external reviewer, Department of Speech Pathology and Audiology, University of Pretoria, Republic of South Africa)
1991-1994	Arthur Sharp (Department of Physical Health and Education, University of Toronto)
1991-1992	Michael Casas, D.D.S. (Department of Dentistry, University of Toronto)

Doctor of Clinical Science Advisory Committee Member

2008-2010	Samantha Procaccini
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Bachelor of Philosophy Thesis Committee Member

2015-2016 Allison Smith
2015-2016 Sarah Pomfret
2014 Alexandra Zezinka

Research

Research Grants

Investigating the role of the cerebellum in reading.

Principal Investigator: Julie Fiez

Role: Co-Investigator

Agency: NIH/National Institute of Child Health & Human Development

Type: R01

Years: 2019-2024

Percent Effort: 5%

Funded. Amount \$2,284,000.

https://projectreporter.nih.gov/project_info_description.cfm?aid=9826217&icde=49235705&ddparam=&ddvalue=&ddsub=&cr=2&csb=default&cs=ASC&pbll=

Neural encoding of phoneme and vocal intensity interactions in the motor cortex and basal ganglia.

Principal Investigator: Christina Dastolfo-Hromack (PhD student)

Role: Sponsor

Agency: NIH/National Institute on Deafness and Other Communication Disorders

Type: F31

Years: 2020-2022

Funded. Amount: \$91,040.

Basal ganglia-thalamocortical loop function in speech perception and production.

Principal Investigator: Mark Richardson

Role: Co-Investigator

Agency: NIH/National Institute of Neurological Disorders and Stroke Special Emphasis Panel

BRAIN Initiative Research Opportunities in Human U01 Review

Type: U01

Years: 2019-2024

Percent Effort: 20%

Reviewed, but not funded.

Funding for Brain and Communication Undergraduate Research Experience (BrainCures) at Communication Science and Disorders, SHRS

Principal Investigator: Bharath Chandrasekaran

Role: Investigator

Agency: Provost's Office, University of Pittsburgh

Years: 2019-2020

Funded. Amount: \$15,000.

Subthalamic and corticosubthalamic coding of speech production.

Principal Investigator: Mark Richardson

Role: Co-Investigator

Agency: NIH/National Institute of Neurological Disorders and Stroke

Type: U01

Years: 2016-2019

Percent Effort: 8%

Funded. Amount: \$1,159,148

<https://reporter.nih.gov/project-details/9205890>

Response to altered auditory feedback by adults with cochlear implants

Principal Investigator: Sheila Pratt

Role in project: Co-Investigator

Agency: Department of Veterans' Affairs

Type: RR&D

Years: 2010-2013

Percent Effort: 34%

Funded.

Kinematic comparison of speech and nonspeech oral tasks

Principal Investigator: **Susan Shaiman**, Ph.D.

Agency: NIH/NIDCD

Type: R03

Years: 2005-2010

Funded. Amount: \$150,000

Transition speech waveform features to enhance speech recognition in noisy environments

Principal Investigator: J. Robert Boston

Role in project: Consultant

Agency: Office of Naval Research

Years: 2005-2007

Percent Effort: 3%

Funded.

Kinematic comparison of speech and nonspeech oral tasks

Principal Investigator: **Susan Shaiman**, Ph.D.

Agency: Competitive Medical Research Fund, Office of Research, Health Sciences, University of Pittsburgh

Years: 2002-2005

Funded. Amount: \$25,000

Lip and jaw kinematics of voluntary movement sequences subsequent to rehearsal

Principal Investigator: Francois X. Brajot, B.A.

Role in project: Master's Thesis Faculty Supervisor

Agency: SHRS Research Development Fund, School of Health and Rehabilitation Sciences, University of Pittsburgh.

Years: 2001-2002

Funded. Amount: \$350

Rate control in speech production

Principal Investigator: **Susan Shaiman**, Ph.D.

Agency: Central Research Development Fund, Office of the Provost, University of Pittsburgh

Years: 1997-1999

Funded. Amount: \$13,520

Extramural Funding Travel Grant Program

Principal Investigator: **Susan Shaiman**, Ph.D.

Agency: Office of the Provost, University of Pittsburgh.

Years: 1997

Funded. Amount: \$150

Motor control asynchronies in the speech production of posterior aphasic patients

Principal Investigator: **Susan Shaiman**, Ph.D.

Agency: Natural Sciences and Engineering Research Council (Canada)

Years: 1992-1996

Funded. Amount: \$70,000

Seminars and Invited Lectureships Related to Research

- 1996 Variability in speech kinematics: Implications for understanding speech motor control strategies. Motor Function Research Group, University of Western Ontario, London, ON.
- 1996 Articulatory coordination in speech production. Research Forum, Graduate Department of Speech Pathology, University of Toronto, Toronto, ON.
- 1996 Invariance and variability: Articulatory coordination in speech production. Division of Communication Science and Disorders, Department of Communication, University of Pittsburgh, Pittsburgh, PA.
- 1993 Using instrumentation to assess and treat motor speech disorders. Neurogenic Communication Disorders Study Group, Toronto, ON.
- 1991 Motor control in speech production. Department of Speech Pathology, The Hospital for Sick Children, Toronto, ON.
- 1990 Coordination of multiple articulators for the production of speech. Graduate Department of Speech Pathology, University of Toronto, Toronto, ON.
- 1989 Current research in speech motor programming. Department of Communication Disorders, Louisiana State University, Baton Rouge, LA.
- 1987 Sensorimotor processes in speech production. Kresge Hearing Research Laboratory of the South, Louisiana State University Medical Center, New Orleans, LA.

Other Research-Related Activities

Journal Refereeing

2019	Editorial Board Member, <u>Journal of Speech, Language and Hearing Research</u>
2004-present	Reviewer, <u>American Journal of Speech-Language Pathology</u>
1989-present	Reviewer, <u>Journal of Speech, Language and Hearing Research</u>
2003-2004	Associate Editor for Special Edition, <u>Aphasiology</u> , Vol. 18, Nos. 5-7 / May-June-July 2004
2003-2004	Reviewer, <u>Laterality: Asymmetries of Body, Brain, and Cognition</u>
2002-2003	Reviewer, <u>Folia Phoniatica et Logopaedica</u>
2001-2003	Reviewer, <u>Journal of Phonetics</u>
1994	Reviewer, <u>The Journal of Neuroscience</u>
1994	Reviewer, <u>Journal of Medical Speech-Language Pathology</u>
1991-1996	Reviewer, <u>Speech Foundation of Ontario Newsletter</u> , Editorial Board
1991-1995	Reviewer, <u>Journal of Speech-Language Pathology and Audiology</u>
1991-1996	Reviewer, <u>Journal of the Acoustical Society of America</u>

Extra-Mural Grant Reviewing

2002	University Center for Social and Urban Research, University of Pittsburgh
1996	Manitoba Health Research Council
1995	Medical Research Council of Canada
1993	The Physicians' Services Incorporated Foundation
1993	The Ontario Mental Health Foundation

Service

Professional Service

2022-2024	Elected (2 nd term), Coordinating Committee, Special Interest Group (SIG) 19: Speech Science, American Speech-Language-Hearing Association (3-year term)
2022	Member and SIG 19 Representative, Topic Committee (Models of Academic & Clinical Education), Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA (November 2022)
2020-2021	Associate Coordinator, Coordinating Committee, Special Interest Group (SIG) 19: Speech Science, American Speech-Language-Hearing Association
2019-2021	Member, Coordinating Committee, Special Interest Group (SIG) 19: Speech Science, American Speech-Language-Hearing Association (3-year term)
2018	Member, Programming Committee (Speech and Language Science), Annual Convention of the American Speech-Language-Hearing Association, Boston, MA
2018	ASHA Student Hill Day with undergraduate students from the University of Pittsburgh
2016-	Member, Professional Development Committee, Special Interest Group (SIG) 19: Speech Science, American Speech-Language-Hearing Association
2017	Member, Programming Committee (Speech and Language Science), Annual Convention of the American Speech-Language-Hearing Association, Los Angeles, CA
2016	Member, Programming Committee (Motor Speech Disorders in Adults and Children), Annual Convention of the American Speech-Language-Hearing Association, Philadelphia, PA
2007-2008	Program Committee, Conference on Motor Speech, Motor Speech Disorders Track, 2008.
2005	Member, Programming Committee (Motor Speech Disorders in Adults and Children), Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA
2004	Session Chair, 147 th Meeting of the Acoustical Society of America, New York, NY
2002	Technical Program Organizing Committee (Speech Communication Representative), 143 rd meeting of the Acoustical Society of America, Pittsburgh, PA
2001	Session Chair, 141 st meeting of the Acoustical Society of America, Chicago, IL

- 1996 Elected Representative, Faculty Council, Faculty of Medicine, University of Toronto
- 1996 Session Chair, Conference on Motor Speech, Amelia Island, FL
- 1995-1996 Member, Accreditation Committee Pool, Canadian Council of University Programs in Communication Disorders and Sciences
- 1995 Judge, The 46th International Science and Engineering Fair, representing the Acoustical Society of America
- 1995 Interviewed for Canadian Broadcasting Corporation (CBC) Radio That's a Good Question, on aging of the human voice
- 1992-1996 Executive Committee, Program in Neuroscience, School of Graduate Studies, University of Toronto
- 1991-1992 Member, Alliance for Equal Entitlement in Health Care, Province of Ontario
- 1991-1994 Board of Directors, Professional Advisory Council, Speech Foundation of Ontario (Secretary, 1992-94; Chair, Research Subcommittee, 1992-94)
- 1991 Member, Programming Committee (Speech Science), Annual Convention of the American Speech-Language-Hearing Association, Atlanta, GA
- 1990-1996 Alumni Liaison, Graduate Department of Speech-Language Pathology, University of Toronto
- 1990-1996 Faculty Advisor, National Student Speech-Language-Hearing Association, University of Toronto
- 1990 Interviewed for Saint Joseph Hospital newsletter, Your Health Today, on speech and voice production
- 1989 Televised interview of Voice Disorders and Treatment, aired on WDSU-TV, New Orleans, LA
- 1988 Member, Programming Committee (Speech Science), Annual Convention of the American Speech-Language-Hearing Association, Boston, MA
- 1986 Clinical Fellowship Year Supervisor, American Speech-Language-Hearing Association

University Service - University of Pittsburgh

- 2015-2016 SHRS Liaison, University of Pittsburgh Year of the Humanities
- 2012 Member, *ad hoc* Web Advisory Committee, Office of the Provost, University of Pittsburgh
- 2011-2012 Member, Search Committee for Director of Admissions and Financial Aid, University of Pittsburgh
- 2009-2013 Chair, University Senate Admissions and Student Aid Committee (3rd term)
- 2009-2013 Member, University Faculty Assembly (2nd term)
- 2007-2013 Member, University Senate Admissions and Student Aid Committee (2nd term)
- 2008-2010 Faculty Associate Program, Office of Residence Life

School Service - University of Pittsburgh

- 2018 Grant Reviewer, SHRS Research Development Fund
- 2017 Member, *ad hoc* Promotion Review Committee for Leming Zhou
- 2015 Member, Planning Committee, SHRS 45th Anniversary Dinner & Ceremony
- 2014-2015 Member, Homecoming Planning Committee
- 2014 Member, *ad hoc* Promotion Review Committee for Lauren Terhorst
- 2012 Member, *ad hoc* Promotion Review Committee for Kevin Conley
- 2005-2013 Member, Appointment, Promotion and Tenure Committee, SHRS
- 2005-2012 Member, Selection Committee, Dean's Distinguished Teaching Award, SHRS
- 2003-2004 Faculty Advisory Committee for Recruitment and Admissions
- 2000-2001 Secretary, Executive Committee, SHRS Faculty
- 1998-1999 Chair, Nominating Committee, SHRS Faculty

Departmental Service - University of Pittsburgh

2021- Teaching Mentor for Ali Lewandowski
2019-2021 Member, PhD Admissions Committee
2018-2019 Chair, SLP Recruitment
2018 Chair, Faculty Search Committee
2017-2021 Director, Master's Degree Program in Speech-Language Pathology
2017- Member, Undergraduate Degree Program Committee
2016-2017 Chair, Faculty Search Committee
2016-2017 Member, Distance Education Committee
2016 Member, Appeals Committee
2015-2017 Member, Graduate Admissions Committee
2015-2017 Member, CSD Master's Thesis Working Group
2015-2016 Member, CSD Strategic Planning Committee; Chair of Education Planning
2007-2015 Director, Department/Faculty Development Committee
2013 Chair, Faculty Search Committee
2012-2013 Chair, Departmental Committee for Promotion Review for James Coyle
2008-2009 Member, Planning and Budget Committee
2007-2009 Member, Curriculum Committee
2006-2007 Member, Department/Faculty Development Committee
2005-2006 Member, Appeals Committee
2005-2006 Chair, Faculty Search Committee
2003-2006 Chair, Graduate Admissions Committee
2004-2006 Member, Doctor of Clinical Science Committee
2003-2004 Member, *ad hoc* Committee for Review of Comprehensive Examinations
1998 Chair, *ad hoc* Committee to update Graduate and Employer Surveys
1998-1999 Chair, Curriculum Committee
1997-2007 Member, Graduate Admissions and Recruiting Committee
1997-2003 Member, Curriculum Committee
1997 Member, Department and Faculty Development Committee
1997 Member, Faculty Search Committee
1997 Member, *ad hoc* Committee, Matthews-Rubin Lecture