

# Christina M. Hagedorn, Ph.D., CCC-SLP, TSSLD

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## CONTACT

*At the College of Staten Island:*

Linguistics Program  
College of Staten Island, City University of New York  
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Staten Island, NY 10314

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*At the CUNY Graduate Center:*

Doctoral Program in Linguistics  
The Graduate Center, City University of New York  
365 5th Avenue  
New York, NY 10016

Doctoral Program in Speech-Language-Hearing Sciences  
The Graduate Center, City University of New York  
365 5th Avenue  
New York, NY 10016

## EMPLOYMENT

(2022 - present)

### **City University of New York**

- Associate Professor of Linguistics, Department of English, College of Staten Island, CUNY
- Director of CSI Motor Speech Laboratory
- Associate Professor of Linguistics, The Graduate Center, CUNY (Secondary Appointment)
- Associate Professor of Speech-Language-Hearing Sciences, The Graduate Center, CUNY (Tertiary Appointment)

(2016 - 2022)

### **City University of New York**

- Assistant Professor of Linguistics, Department of English, College of Staten Island, CUNY
- Director of CSI Motor Speech Laboratory
- Assistant Professor of Linguistics, The Graduate Center, CUNY (Secondary Appointment)

## EDUCATION

(May 2017)

### **New York University**

M.S., Communicative Sciences and Disorders (CSD)

(May 2015)

### **University of Southern California**

Ph.D., Linguistics

(May 2011)

### **University of Southern California**

M.A., Linguistics

(May 2009)

### **Stony Brook University**

B.A. with Honors in Linguistics

Concentrations: Linguistics — Italian Studies — Spanish Language & Literature

## CURRENT CERTIFICATIONS

Certificate of Clinical Competence in Speech and Language Pathology (CCC-SLP)  
New York State Licensure in Speech and Language Pathology  
New York State Teacher of Students with Speech and Language Disabilities (TSSLD)  
Dignity for All Students Act (DASA)  
Collaborative Institutional Training Initiative (CITI)  
Health Insurance Portability and Accountability Act (HIPAA)  
Occupational Safety & Health Administration (OSHA)  
Prompts for Restructuring Oral Muscular Phonetic Targets (PROMPT) Level I

## AWARDS & HONORS

- (2022) Henry Wasser Award for Outstanding Research for Assistant Professors  
CUNY Academy for the Humanities and Sciences
- (2019) Provost's Faculty Recognition Ceremony  
(Honored for having published multiple journal articles in a single academic year.)  
College of Staten Island
- (2018) Stewart Travel Award (\$500.00)  
College of Staten Island
- (2017) Triple Threat Award of Excellence in Academics, Research and Clinical Performance in CSD  
New York University
- (2015-2017) 21st Century Scholarship, Steinhardt School of Culture, Education, and Human Development (\$25,000.00)  
New York University
- (2011-2013) NIH NRSA Pre-Doctoral Fellowship: Hearing and Communication Neuroscience (\$56,834.00)  
House Research Institute & University of Southern California
- (2015) Dissertation Year Fellowship, Dornsife College of Letters, Arts and Sciences (\$29,000.00)  
University of Southern California
- (2009) Phi Beta Kappa Society  
Stony Brook University Chapter
- (2009) Golden Key Honor Society  
Stony Brook University Chapter

## GRANTS Under revision (previously unfunded)

**National Institutes of Health**, R01. Role: Primary Author; Co-Investigator, with Shrikanth Narayanan (USC), Krishna Nayak (USC), Uttam Sinha (USC). \$3,256,479.00. Speech Assessment and Rehabilitation After Tongue Reconstruction Using Dynamic MRI.

### Awarded

- (2024) **The PROMPT Institute**, 2024 Motor Speech Research Grant. Role: Primary Author, Co-PI, with Shrikanth Narayanan (USC), Krishna Nayak (USC), and Aravind Namasivayam (University of Toronto; Speech Research Centre Inc.). \$104,148.00. Investigating "Phonological" Developmental Speech Errors Using Real-Time Magnetic Resonance Imaging.
- (2019-2021) **Government of India**, Scheme for Promotion of Academic and Research Collaboration. Role: Co-PI, with Prasanta Ghosh (Indian Institute of Science), Shrikanth Narayanan (USC). \$69,062.00. Machine Intelligence for Cognitive and Communication Disorders.
- (2019-2022) **PSC-CUNY** Grant TRADB-50-539. Role: PI. \$5,524.00. Investigating Articulatory Coordination in Childhood Apraxia of Speech.
- (2017-2018) **PSC-CUNY** Enhanced Grant ENHC-48-57. Role: PI. \$11,055.00. Investigating Supralaryngeal Coordination in Parkinsonian Dysarthria.

Unfunded

- (2020) **National Science Foundation**. Role: Co-PI, with Patricia Kahn (CUNY), Deborah Sturm (CUNY), Heidi Bertels (CUNY), Karen Arca Contreras (CUNY), Linda John (CUNY), Shuqun Zhang (CUNY), Thomas Tellefsen (CUNY), Zaghoul Ahmed (CUNY). \$538,817.00. Using Virtual Reality to Improve Interpersonal Skills Among STEM College Students in Preparation for Entering the Workforce.

PUBLICATIONS Journal articles

- (In preparation) **Hagedorn, C.**, Lu, Y., Sinha, U., Goldstein, L., & Narayanan, S.S. Modeling Vowel Production in Post-Glossectomy Speech Using the Task Dynamics Application. [In preparation for submission to the *Journal of the Acoustical Society of America*]
- (In preparation) **Hagedorn, C.**, Lu, Y., Sinha, U., Goldstein, L., & Narayanan, S.S. Articulatory and Acoustic Manifestations of Lingual Impairment in Vowel Production Following Treatment for Lingual Cancer. [In preparation for submission to the *Journal of Speech, Language, and Hearing Research*]
- (Under Review) Reddy Kadiri, S., Huang, K., **Hagedorn, C.**, Byrd, D., Alku, P., & Narayanan, S. Formant Tracking by Combining Deep Neural Network and Linear Prediction. *IEEE Open Journal of Signal Processing*.
- (2024) Cheng, H., Masapollo, M., **Hagedorn, C.**, & Buchwald, A. Articulatory Coordination for Non-native Onset Clusters: An Electromagnetic Articulography Study. *Journal of Speech, Language, and Hearing Research*, 67 (10), 3549-3565.
- (2022) **Hagedorn, C.**, Lu, Y., Toutios, A., Sinha, U., Goldstein, L., & Narayanan, S. Variation in Consonant Compensation as a Function of Target Constriction Degree in Post-Glossectomy Speech. *Journal of the Acoustical Society of America Express Letters*, 2(4), 045205.
- (2021) **Hagedorn, C.**, Kim, J., Sinha, U., Goldstein, L., & Narayanan, S. Complexity of Vocal Tract Shaping in Glossectomy Patients and Typical Speakers: A Principal Component Analysis. *Journal of the Acoustical Society of America*, 149(6), 4437-4449.
- (2021) Kim, C., Ouyang, L., Capobres-Villegas, B. Ipek, C. & **Hagedorn, C.**, Sinha, U. Analyzing Speech Outcomes in Hemiglossectomy Patients Using Telecare Platform. *Clinics of Oncology*, 4(3), 1-9.
- (2019) **Hagedorn, C.**, Sorenson, T., Lammert, A., Toutios, A., Goldstein, L., Byrd, D., & Narayanan, S. Engineering Innovation in Speech Science: Data and Technologies. *Perspectives of the American Speech Language Hearing Association*, 4(2), 411-420.
- (2019) Grigos, M., LeBlanc, E., **Hagedorn, C.**, Diaz-Siso, J., Plana, N., & Rodriguez, E. Changes in Articulatory Control Pre- and Post-Facial Transplant: A Case Report. *Journal of Speech, Language, and Hearing Research*, 62, 297-306.
- (2017) **Hagedorn, C.**, Proctor, M., Goldstein, L., Wilson, S., Miller, B., Gorno-Tempini, M., & Narayanan, S. Characterizing Articulation in Apraxic Speech Using Real-Time Magnetic Resonance Imaging. *Journal of Speech, Language and Hearing Research*, 60(4), 877-891.

Book chapters

- (2024) **Hagedorn, C.** & Namasivayam, A. Articulatory Phonology and Speech Impairment. In N. Müller, M. Ball and L. Spencer (eds.), *Manual of Clinical Linguistics*, 333-349, London: Routledge.
- (2021) Ramanarayanan, V. & **Hagedorn, C.** [co-authors; equal contribution] Magnetic Resonance Imaging. In J. Damico and M. Ball (eds.), *Handbook of Clinical Phonetics*, 375-386. London: Routledge.

Peer-reviewed conference proceedings

- (2024) Kumar, P., Tian, Y., Lim, Y., Cui, S., **Hagedorn, C.**, Byrd, D., Sinha, U., Narayanan, S.S., & Nayak, K. State-of-the-art speech production MRI protocol for new 0.55 Tesla scanners. *Proceedings of Interspeech, 25th Annual Conference of the International Speech Communication Association*, Kos, Greece.
- (2013) **Hagedorn, C.**, Lammert, A., Bassily, M., Zu, Y., Sinha, U., Goldstein, L., & Narayanan, S.S. Characterizing Post-Glossectomy Speech Using Real-Time MRI. *Journal of the Acoustical Society of America*, 134(5), 4205.
- (2013) Lammert, A., **Hagedorn, C.**, Proctor, M., Goldstein, L., & Narayanan, S.S. Interspeaker Variability in Relative Tongue Size and Vowel Production. *Journal of the Acoustical Society of America*, 134(5), 4205.
- (2012) **Hagedorn, C.**, Proctor, M., Goldstein, L., Gorno-Tempini, M.L., & Narayanan, S.S. Characterizing Covert Articulation in Apraxic Speech Using Real-Time MRI. *Proceedings of Interspeech - Spoken Language Processing and Biomedicine, 13th Annual Conference of the International Speech Communication Association*, Portland, Oregon.
- (2011) **Hagedorn, C.**, Proctor, M., & Goldstein, L. Automatic Analysis of Singleton and Geminate Consonant Articulation Using Real-Time MRI. *Proceedings of Interspeech, 12th Annual Conference of the International Speech Communication Association*, Florence, Italy.
- (2011) Proctor, M., Lammert, A., Katsamanis, A., Goldstein, L., **Hagedorn, C.**, & Narayanan, S.S. Direct Estimation of Articulatory Kinematics from Real-Time Magnetic Resonance Image Sequences. *Proceedings of Interspeech, 12th Annual Conference of the International Speech Communication Association*, Florence, Italy.
- (2011) Gao, M., Moosehammer, C., **Hagedorn, C.**, Nam, H., Tiede, M., Chang, Y., Hsieh, F., & Goldstein, L. Intra- and Inter-syllabic Coordination: An Articulatory Study of Taiwanese and English. *Proceedings of the 17th International Conference of Phonetic Sciences (ICPhS XVII)* 723-726, Hong Kong.

CONFERENCE  
PRESENTATIONS

- (2024) **Hagedorn, C.**, Lu, Y., Goldstein, L., Sinha, U., Nayak, K., & Narayanan, S.S. “Assessing Compensatory Behavior in Vowel Production following Glossectomy Using Real-Time Magnetic Resonance Imaging”. Technical Research Presentation at the American Speech-Language-Hearing Association Convention, Seattle, Washington, December 5-7.  
**\*\*Designated as an ASHA Convention Visionary Session for exemplifying forward thinking and having the potential to significantly impact the field [Awarded to 5% of submissions]\*\***
- (2023) **Hagedorn, C.**, Kumar, P., Villegas, B., Ouyang, M., Cui, S., Sheth, M., Narayanan, S., Nayak, K., & Sinha, U. L., “Role of High-Performance Low Field Magnetic Resonance Imaging in Management of Tongue Cancer”. Talk presented at the American Head and Neck Society’s 11th International Conference on Head and Neck Surgery, Montreal, Canada, July 8-12.
- (2022) Masapollo, M., Cheng, H., **Hagedorn, C.**, & Buchwald, A. “Native and Non-native Onset-Vowel Organization: An Electromagnetic Articulography Study”. Poster presented at the American Speech-Language-Hearing Association Convention, New Orleans, Louisiana, November 17-19.
- (2022) **Hagedorn, C.**, & Kahn, P. “A Mixed-Reality Pilot for Developing Clinical Communication Skills in Speech and Language Pathology.” World Future Forum Conference, Chicago, Illinois, April 22.

- (2021) **Hagedorn, C.**, & Kahn, P. “A Mixed-Reality Pilot for Developing Clinical Communication Skills in Speech and Language Pathology.” Poster presented at The 20th Annual CUNY Information Technology Conference, New York, New York, December 2-3.
- (2021) Cheng, H., Masapollo, M., **Hagedorn, C.**, & Buchwald, A. “Effects of Phonotactic Legality on Gestural Coordination in Consonant Clusters: An Electromagnetic Articulography Study”. Poster presented at the 181st Meeting of the Acoustical Society of America, Seattle, Washington, November 29-December 3.
- (2021) **Hagedorn, C.**, Lu, Y., Kim, J., Zu, Y., Sinha, U., Goldstein, L., & Narayanan, S.S. “Variation in Compensatory Strategies as a Function of Target Constriction Degree in Post-Glossectomy Speech”. Poster presented at the American Speech-Language-Hearing Association Convention, Washington, District of Columbia, November 17-19.
- (2021) **Hagedorn, C.**, & Kahn, P. “A Mixed-Reality Pilot for Developing Clinical Communication Skills in Speech and Language Pathology”. Poster presented at EDUCAUSE, Philadelphia, Pennsylvania, October 26-29.
- (2020) Cheng, H., Masapollo, M., **Hagedorn, C.**, & Buchwald, A. “Gestural Coordination in Non-native Onset Clusters: An Electromagnetic Articulography Study”. Poster presented at International Seminar on Speech Production, Providence, Rhode Island, June 1-4.
- (2018) Grigos, M. I., LeBlanc, E., **Hagedorn, C.**, & Rodriguez, E. “Changes in Speech Production and Facial Movement Pre- and Post-Facial Transplant”. Talk presented at the Conference on Motor Speech, Savannah, Georgia, February 21-25.
- (2017) **Hagedorn, C.**, Kim, J., Zu, Y., Goldstein, L., Sinha, U., & Narayanan, S.S. “Quantifying Lingual Flexibility in Post-Glossectomy Speech”. Poster presented at American Speech-Language-Hearing Association Convention, Los Angeles, California, November 9-11.
- (2016) **Hagedorn, C.**, Sinha, U., Goldstein, L., & Narayanan, S.S. “Characterizing Vowel Articulation in Post-Glossectomy Speech”. Talk presented at the American Speech, Language, and Hearing Association Convention, Philadelphia, Pennsylvania, November 17-19.
- (2014) **Hagedorn, C.**, Toutios, A., Goldstein, L., & Narayanan, S.S. “USC-TIMIT: A Multimodal Speech Production Database”. Talk presented at Workshop on Databases and Corpora in Linguistics, Stony Brook, New York, October 17.
- (2014) **Hagedorn, C.**, Lammert, A., Bassily, M., Sinha, U., Goldstein, L., & Narayanan, S.S. “Characterizing Post-Glossectomy Speech Using Real-Time MRI”. Talk presented at The International Seminar on Speech Production, Cologne, Germany, May 5-8.
- (2012) **Hagedorn, C.**, Proctor, M., Goldstein, L., Gorno-Tempini, M.L., & Narayanan, S.S. “Characterizing Covert Articulation in Apraxic Speech Using Real-Time MRI”. Talk presented at The International Workshop on Language Production, New York, New York, July 18-20.
- (2011) **Hagedorn, C.**, Proctor, M., Goldstein, L., & Narayanan, S.S. “Automatic Analysis of Constriction Location in Singleton and Geminate Consonant Articulation Using Real-time Magnetic Resonance Imaging”. Talk presented at the 162nd Meeting of the Acoustical Society of America, San Diego, California, October 31-November 4.
- (2011) **Hagedorn, C.**, Proctor, M., & Goldstein, L. “Automatic Analysis of Geminate Consonant Articulation Using Real-time Magnetic Resonance Imaging”. Talk presented at the 9th International Seminar on Speech Production, Montreal, Canada, June 20-23.
- (2011) Gao, M., Moosehammer, C., **Hagedorn, C.**, Nam, H., Tiede, & Goldstein, L., “Comparison of Inter- and Intra-syllabic Coordination in Repetitive Speech of Taiwanese and English”. Talk presented at the 9th International Seminar on Speech Production, Montreal, Canada, June 20-23.

INVITED  
RESEARCH  
TALKS

- (2024) “MRI-Driven Speech Disorder Characterization, Theoretical Refinement, and Clinical Innovation: The Case of Lingual Cancer”, Stony Brook University, Department of Linguistics, Stony Brook, New York, February 9.
- (2022) “Applying Novel Developments in Magnetic Resonance Imaging to Disorder Characterization, Theoretical Refinement, and Clinical Innovation”, University of Southern California, Otolaryngology and Hearing and Communication Neuroscience Seminar Series, Los Angeles, California, October 6.
- (2022) “Reconciling Asymmetries in Compensatory Strategies for Vowel and Consonant Production in Post-Glossectomy Speech”, The Graduate Center (CUNY), Speech-Language-Hearing Sciences Colloquium Series, New York, New York, April 6.
- (2021) “Variation in Compensatory Strategies as a Function of Target Constriction Degree in Post-Glossectomy Speech”, University of Southern California, Speech Production and Articulation kNowledge (SPAN) Group, Los Angeles, California, October 25.
- (2021) “Applying Engineering Innovation to the Investigation of Speech Disorders: Utilizing rtMRI to Unveil Aspects of Disordered Speech”, The Indian Institute of Science (IISc), Bangalore, India, January 10.
- (2020) “Retain or Revise? Investigating the Effects of Lingual Resection on Speech Production“, New York University, Phonetics and Experimental Phonology Laboratory, New York, New York, February 28.
- (2020) “Autism: A Clinical Perspective” [6-day intensive course on evidence-based practice for Autism], National Institute of Mental Health and Neurosciences, Bangalore, India, January 6-11.
- (2020) “Utilizing Real-time Magnetic Resonance Imaging to Investigate Speech Articulation Disorders”, Indian Institute of Science, Bangalore, India, January 10.
- (2019) “Investigating Speech Production Following Lingual Resection Using rtMRI”, Adelphi University, Communication Sciences and Disorders, Garden City, New York, November 25.
- (2019) “Retain or Revise? The Effects of Lingual Resection on Speech Production”, The Graduate Center (CUNY), Linguistics Colloquium Series, New York, New York, November 7.
- (2019) “Retain or Revise? Investigating Speech Production Following Lingual Resection Using rtMRI”, The Graduate Center (CUNY), Speech Production, Acoustics and Perception Laboratory Meeting, New York, New York, November 5.
- (2018) “Retain or Revise? The Effects of Lingual Resection on Speech Production”, Stony Brook University, Linguistics Colloquium Series, Stony Brook, New York, November 9.
- (2018) “Investigating Post-Glossectomy Speech Using rtMRI”, The Graduate Center (CUNY), Linguistics Special Seminar Series, New York, New York, March 2.
- (2017) “Characterizing Covert Articulation in Apraxic Speech Using rtMRI”, New York University, Communicative Sciences and Disorders Colloquium Series, New York, New York, December 2.

OTHER  
INVITED  
TALKS

- (2023) “Investigating Post-Glossectomy Speech Using Real-time MRI”, Henry Wasser Award Ceremony, The Graduate Center (CUNY), New York, New York, April 26.

- (2019) “The Dance of the Vocal Tract”, Introductory Address, North American Computational Linguistics Open Practice Session (students grades 6-12), Stony Brook University, Stony Brook, New York, December 14.
- (2019) “Introduction to Phonetics: Consonantal Articulations and Airstream Mechanisms”, Guest lecture, Stuyvesant High School, New York, New York, October 17.
- (2019) “Utilizing Speech Science Technology in the Classroom”, College of Staten Island, Faculty Technology Day, Staten Island, New York, May 7.
- (2018) “Blurring the Lines: A Journey Through the Arts and Sciences”, College of Staten Island, Phi Beta Kappa Affiliates Keynote Address, Staten Island, New York, May 22.
- (2017) “Clinical Takeaways of Apraxia of Speech Research Using rtMRI”, NYC Department of Education Speech Language Pathology Professional Development Seminar, Staten Island, New York, December 22.
- (2017) Linguistics Department Commencement Speaker, Stony Brook University, Stony Brook, New York, May 19.

#### WORKSHOP PRESENTATIONS

- (2020) “Introducing the Topic of Linguistic Discrimination in the Classroom” [presented together with Rosanne Carlo], Decolonizing Your Syllabus Workshop, Department of English, College of Staten Island, Staten Island, New York, August 17.

#### PROGRAM DEVELOPMENT

##### Undergraduate programs created

- (2021) Founding Director and Clinical Supervisor, **Mixed-reality Pilot for Developing Clinical Empathy and Communication Skills in Speech and Language Pathology**
- Aimed to facilitate development of hard and soft clinical communication skills in undergraduate students at CSI who lost the opportunity to complete clinical observation at local sites due to the COVID-19 pandemic. Mixed-reality combines artificial intelligence and live human interaction providing immersive training experiences with trained professionals orchestrating interactions between students and avatar characters using custom-designed adaptable scripts. Students assumed the role of a speech and language pathologist leading a clinical conversation with a Mursion avatar, who assumed the role of a caregiver. Behind this Mursion avatar was a trained actor, corresponding with the student in real-time. Students were responsible for conveying critical concepts regarding speech development to the avatar, and received both quantitative and qualitative feedback from their clinical supervisor (Hagedorn) based on their performance in each of four training sessions.
- (2018) Founding Director and Clinical Supervisor, **CSI Clinical Practicum and Research Program in Speech and Language Pathology**
- Aims to provide undergraduate students at CSI the opportunity to carry out off-campus clinical observation and treatment under the supervision of two certified speech and language pathologists and increase student involvement in research programs investigating speech disorders. This program serves to (i) bridge a gap between theory and practice for students interested in Speech and Language Pathology; (ii) enhance career opportunities for students; and (iii) equip students with cultural and linguistic competence essential for clinical practice in New York’s diverse community.
- (2017) Founding Director (with Prof. Jason Bishop), Minor concentration in Speech and Language Pathology
- (2017) Creator (with Profs. Christina Tortora and Jason Bishop), Major concentration in Linguistics
- Proposal approved by departmental and college curriculum committees and currently under revision for the Faculty Senate and the Institutional Planning Committee.

Undergraduate courses created

(Approved by departmental and college curriculum committees)

- (2017) **Neuroanatomy for Speech and Language Pathology (LING 425)**  
 (2017) **Adult Language Disorders (LING 440)**  
 (2017) **Audiology (LING 450)**

## TEACHING

Courses Taught at the College of Staten Island

**Introduction to Language (LING 201)** [Summer 2022 (3 sections), Summer 2021, Winter 2021, Summer 2020, Summer 2019, Winter 2019, Fall 2017 (2 sections)]  
**Phonetics (LING 302)** [Fall 2016, Fall 2019]  
**Speech Science (LING 402)** [Spring 2020, Spring 2018, Fall 2015 (adjunct)]  
**Anatomy & Physiology for Speech Science (LING 420)** [Fall 2022, Fall 2021, Fall 2020 (two sections), Fall 2019, Fall 2018, Spring 2017]  
**Phonetic & Phonological Disorders (LING 430)** [Spring 2021 (2 sections), Spring 2020, Fall 2018, Spring 2017]

Selected Independent Studies Directed at the College of Staten Island

**Mixed-reality Pilot for Developing Clinical Empathy and Communication Skills in Speech and Language Pathology** [Fall 2021]  
**Clinical Supervision: Simucase Observation** [Fall 2021, Spring 2021, Fall 2020]  
**Audiology (prior to being catalogued as LING 450)** [Spring 2018]  
**Articulatory Correlates of Non-Native Consonant Clusters** [Fall 2019]  
**Articulatory Correlates of Consonant Clusters of English** [Fall 2019]  
**Methods in Speech Articulatory** [Fall 2019]  
**Compensation of Stop Production in Post-Glossectomy Speech** [Fall 2021]  
**Compensation of Fricative Production in Post-Glossectomy Speech** [Fall 2021]  
**Evidence-Based Practice for Speech Disorders** [Fall 2022]

Other Teaching Experience

**The Science of Language**, New York University, Recitation Instructor, Lecture Instructor: Marisa Nagano [Spring 2016 (3 sections)]  
**Hearing & Communication Neuroscience**, University of Southern California, Teacher's Assistant, Instructor of Record: Prof. Louis Goldstein [Spring 2014]  
**Phonetics**, Stony Brook University, Teacher's Assistant, Instructor of Record: Prof. Marie Huffman [Fall 2008]

## GRADUATE SUPERVISION

Graduate supervision at other institutions

- (2021-2024) Yijing Lu, "Characterizing Speech During Stuttering Using Real-Time Magnetic Resonance Imaging". Dissertation, Committee Member [with Louis Goldstein (chair), Dani Byrd, Shrikanth Narayanan, and Khalil Iskarous]. University of Southern California.
- (2022-2023) Hung-Shao Cheng, "Production Learning of Novel Sound Sequences". Dissertation, External Reader [with Adam Buchwald (chair), Tara McAllister, and Lisa Davidson]. New York University.

Graduate supervision at the College of Staten Island

- (2020) Sandra Scott, "Going Beyond the "Standard": Decentering Traditional Grammar in Writing Instruction and Raising Awareness of Linguistic Differences". M.A. Thesis, Faculty Reader. College of Staten Island.



Graduate supervision at The Graduate Center - CUNY

- (2022-present) Rion Iwasaki, “Lingual Articulation of De-voiced Vowels in Tokyo Japanese”. Dissertation, Committee Member [with Douglas Whalen (chair), Mark Tiede, and Jason Shaw]
- (2022-2024) Marcy Gordon, “Dyslexia and Speech Production Errors: A Sequencing Deficit? - Evidence from Ultrasound Imaging”. Qualifying Paper II, Committee Member [with Douglas Whalen (chair)]
- (2022) Chen Zhou, “Temporal dynamics of lateralization in Spanish /l/ production”. Qualifying Paper II, Committee Member [with Jason Bishop (chair) and Cecelia Cutler]
- (2021) Jaekoo Kang, “The Effect of Speaking Rate on Vowel Variability Based on the Uncontrolled Manifold Approach and Flow-Based Invertible Neural Network Modeling”. Dissertation, Committee Member [with Douglas Whalen (chair), Hosung Nam, Mark Tiede, and Valerie Shafer]
- (2020-2021) Chen Zhou, “The Phonetic Correlates of Sex Differences in American English Speech”. Qualifying Paper I, Committee Co-Chair [with Jason Bishop]
- (2020-2021) Sejin Oh, “Segmental Reduction and Articulatory Dynamics”. Dissertation, Committee Member [with Jason Bishop (chair), Jason Shaw, and Douglas Whalen]
- (2020-2021) Boram Kim, “Lexical Stress Realization in Mandarin Second Language Learners of English: Acoustic and Articulatory Study”. Dissertation, Committee Member [with Douglas Whalen (chair) and Jason Bishop]
- (2020) Boram Kim, “Lexical-stress Effect on Tense-Lax Contrasts in Mandarin Accented English”. Qualifying Paper II, Committee Co-Chair [with Douglas Whalen]
- (2019-2021) Darlene Intlekofer, “Prosody and Speech Production Planning”. Dissertation, Committee Member [with Jason Bishop (chair) and Christina Tortora]
- (2019) Sejin Oh, “Final Devoicing in Bulgarian: Incomplete Neutralization and L2 Experience”. Qualifying Paper II, Committee Member [with Jason Bishop (chair) and Douglas Whalen]
- (2018) Sejin Oh, “Phonetic and Phonological Vowel Reduction in Brazilian Portuguese”. Qualifying Paper I, Faculty Reader.

UNDERGRADUATE  
ADVISING  
(HONORS THESES)

- (2022) Jaclyn Kateridge, “Compensatory Behavior in Consonant Compensation following Oral Tongue Resection”. College of Staten Island.  
• Currently a Master’s student in Speech and Language Pathology (Stony Brook University).
- (2021) Ashley Roberts, “Compensatory Behavior in Consonant Compensation following Oral and Base of Tongue Resection”. College of Staten Island.  
• Currently a Master’s student in Speech and Language Pathology (Brooklyn College).
- (2019) Nicole Ianni, “A Longitudinal Study of Speech Motor Control Development”. College of Staten Island.  
• Currently a practicing speech and language pathologist (Brooklyn College, 2021).
- (2019) Estie Szczupakiewicz, “Motor Learning of Non-Native Speech Sequences”. College of Staten Island.  
• Currently a practicing speech and language pathologist (Hofstra University, 2021).

- (2019) Lorenza Colonna, “Articulatory Coordination in Complex Speech Sequences”. College of Staten Island.  
 • Currently a practicing speech and language pathologist and lecturer (New York University, 2021).
- (2018) Lorenza Colonna, “Investigating Articulatory Coordination in Consonant Clusters”. College of Staten Island.  
 • Currently a practicing speech and language pathologist and lecturer (New York University, 2021).
- (2017) Toniann Grossman, “Consonant and Vowel Production in Post-Glossectomy Speech”. College of Staten Island.  
 • Currently a practicing speech and language pathologist (Southern Connecticut State University, 2021).
- (2015) Mary Bassily, “Vowel Compensation in Post-Glossectomy Speech”. University of Southern California.  
 • Awarded 1st place at USC Undergraduate Research Symposium.  
 • Currently a practicing speech and language pathologist (California State University Northridge, 2018).

#### RESEARCH MENTORING OF LOCAL HIGH SCHOOL STUDENTS

- (2019-2020) Lauren Regan, “Investigating the Influence of Glossectomy on Speech Production”  
 •Staten Island Technical High School
- (2019) Clea Loci, “Acoustic and Kinematic Correlates of Non-Native and Native Consonant Cluster Production”  
 •Staten Island Technical High School
- (2019) Simone Livit, “Investigating the Influence of Glossectomy on Speech Production”  
 •Staten Island Technical High School

#### SERVICE Service to the field

- (2023-present) Editorial Board Member, *Journal of Connected Speech* (Eds. Martin Ball and Joan Rahilly) Equinox Publishing
- (2020-present) Editorial Board Member, *Linguistics Through Languages* (Eds. Lori Repetti and Richard Larson) Oxford University Press
- (2018-present) Ad hoc Reviewer for:  
*American Journal of Speech and Language Pathology* (2024 (1))  
*Journal of Connected Speech* (2024 (1))  
*Journal of Speech, Language, and Hearing Research* (2023 (1); 2022 (2))  
*Journal of Communication Disorders* (2022)  
*Language Resources and Evaluation* (2022)  
*Journal of the Acoustical Society of America* (2020)  
*International Journal of Speech-Language Pathology* (2019)  
*Speech Communication* (2020)  
*Clinical Linguistics and Phonetics* (2019)  
*Nature - Scientific Reports* (2020)  
*Neuroimage Clinical* (2018)

- (2017-present) Member of Scientific/Technical Review Committees for:  
*The International Seminar on Speech Production* (2020, 2021, 2022, 2024)  
*The International Conference on Acoustics, Speech, and Signal Processing* (2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024)  
*Interspeech* (2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024)  
*The International Conference on Speech Prosody* (2020, 2021, 2022)
- (2021) Reviewer for Yule, G. (2021) *The Study of Language*. Cambridge University Press
- (2019) Reviewer for Brosseau-Lapre, F. & Rvachew, S. (2018) *Introduction to Speech Sound Disorders* Plural Publishing.
- (2019) Invited Panel Member at the 2019 Annual Meeting of the Linguistic Society of America, “Speech and Language Pathology as a Career for Linguists” (Co-panelists: Tara McAllister, Susannah Levi, Adam Buchwald, and Sudha Arunachalam). New York, New York.
- (2019) Co-organizer of *Quantitative Approaches to Characterizing the Acoustic and Articulatory Properties of Atypical and Disordered Speech*, a special session of the *International Congress of Phonetic Sciences 2019* (Co-organizers: Michael Proctor, Mark Tiede, Lucie Menard, Eric Jackson, Martijn Wieling). Melbourne, Australia.
- (2018) Principal Organizer of *Integrating Speech Science and Technology for Clinical Applications*, a special session of *InterSpeech 2018* (Co-organizers: Shrikanth S. Narayanan, Uttam Sinha). Hyderabad, India.
- (2017) Invited Panel Member at the Annual Meeting on Phonology 2017, “Bridging the Gap Between Phonological Theory and Speech Disorders” *Career Opportunities for Students of Linguistics* (Co-panelists: Tara McAllister-Byun, Susannah Levi, Adam Buchwald) - New York University. New York, New York.
- Service to The Graduate Center - CUNY
- (2024-2025) Curriculum and Exams Committee, Doctoral Program in Speech-Language-Hearing Sciences, The Graduate Center (CUNY).
- (2023) Admissions Committee, Doctoral Program in Linguistics, The Graduate Center (CUNY).
- (2022-2023) Curriculum and Exams Committee (Alternate), Doctoral Program in Linguistics, The Graduate Center (CUNY).
- (2022-2023) Faculty Membership Committee, Doctoral Program in Linguistics, The Graduate Center (CUNY).
- (2021) Admissions Committee, Doctoral Program in Linguistics, The Graduate Center (CUNY).
- Service to the College of Staten Island
- (2021-present) Member, Research Committee of the Faculty Senate, College of Staten Island.
- (2019-present) President, College of Staten Island Phi Beta Kappa Associates.
- (2017-present) Alternate Delegate Assembly Member, CUNY Professional Staff Congress (PSC).
- (2017-present) Co-Director, College of Staten Island Undergraduate Speech and Language Pathology Program.
- (2016-present) Founding Director, College of Staten Island Motor Speech Laboratory.
- (2016-present) Co-Director, College of Staten Island Undergraduate Linguistics Program.

- (2021) Host and Organizer (with Patricia Kahn), *Going Remote - The Student Experience*.
- (2020-2021) Member, Online and Hybrid Faculty Mentor Group, College of Staten Island.
- (2020-2021) Member, Online and Hybrid Faculty Advisory Group, College of Staten Island.
- (2021) Principal Organizer (with Patricia Kahn), The Second Annual CSI Faculty Technology Day.
- (2018-2021) Committee Chair, Faculty Senate Academic Technology Committee, College of Staten Island.
- (2019) Principal Organizer (with Patricia Kahn), CSI Faculty Technology Day.
- (2019-2021) College Representative, CUNY Committee on Academic Technology (CAT).
- (2018) Vice-President, College of Staten Island Phi Beta Kappa Associates.
- Service to the Department of English
- (2024-present) Department Representative (Alternate), CSI Chapter of the Professional Staff Congress (PSC).
- (2022-present) Member, Linguistics Committee, College of Staten Island.
- (2022-2023) Member, Undergraduate Studies Committee, College of Staten Island.
- (2022-2023) Chair, Online Committee, College of Staten Island.
- (2022) Chair, Search Committee - Linguistics and Speech and Language Pathology Lecturer, College of Staten Island. [Resulted in the hiring of Lorenza Colonna, M.S., CCC-SLP, TSSLD]
- (2021-2023) Member, Majors' Committee, College of Staten Island.
- (2020-2022) Member, Racial Equity Committee, College of Staten Island.
- (2017-2023) Department Representative, CSI Chapter of the Professional Staff Congress (PSC).

#### CLINICAL EXPERIENCE

- (September 2017 - June 2018) **P.S. 57 - Hubert Humphrey, *Speech and Language Pathologist***
- Evaluated, assessed, and treated students (grades K-5) with speech delay, language delay, childhood apraxia of speech, pragmatic language impairment, and hearing loss.
- (January 2017 - June 2017) **Seaview Hospital and Rehabilitation Center, *Graduate Student Clinician***
- Evaluated, assessed, and treated speech and language disorders in adult patients with traumatic brain injury, dementia, and cerebrovascular accident-related communication difficulties.
  - Implemented one-on-one bilingual speech-language therapy to improve functional communication.
  - Collaborated with occupational therapists, physical therapists, neuropsychologists, dietitians, physicians, and family members to create comprehensive and functional speech and language therapy plans for patients.
  - Presented patients' case histories and progress reports during weekly case rounds.

- (September 2016 - January 2017) **The Huguenot School, Graduate Student Clinician**
- Evaluated, assessed, and treated speech and language disorders in students (grades K-5) with speech and language delay, Autism Spectrum Disorder, cleft lip and palate, hearing loss (with hearing aids and frequency modulation (FM) unit).
  - Created and implemented Namaste Focused, a therapeutic approach designed to integrate speech and language therapy with basic mindfulness training to improve sustained attention and reduce hyperactivity while targeting speech and language goals.
  - Implemented individual and group speech-language therapy to improve functional communication and maximize academic performance.
  - Collaborated with occupational therapists, physical therapists, neuropsychologists, classroom teachers, and parents to create comprehensive and functional speech and language therapy plans.
  - Attended bi-weekly Individualized Education Program (IEP) meetings.
- (Summer 2016) **Terence Cardinal Cooke Health Care Center, Graduate Student Clinician**
- Evaluated, assessed, and treated communication and swallowing disorders in individuals with Huntington's disease.
  - Implemented individual and group speech-language therapy to improve functional communication.
  - Collaborated with residents, nurses, and therapists to create comprehensive and functional plans of care for patients.
  - Informally evaluated swallow function and provided therapeutic feedings for patients with oral and pharyngeal dysphagia.
- (Summer 2016) **New York University Speech-Language and Hearing Clinic, Graduate Student Clinician**
- Evaluated, assessed, and treated pediatric and adult clients with speech and language delay, developmental and cognitive delay, conduction aphasia, and expressive aphasia.
  - Led weekly aphasia group.
  - Collaborated with clients, family members, and caregivers to create individualized educational and therapy programs.
  - Served as clinical mentor to developing graduate clinicians in pre-clinical rotations.

#### CONTINUING EDUCATION

- (December 2019) Assessment and Management of CAS in Children with Complex Communication Needs: Case-based Learning. Drs. Maria Grigos and Edythe Strand, New York University. New York, NY.
- (November 2018) Clinical Thinking in the Management of Childhood Apraxia of Speech. Dr. Edythe Strand, New York University. New York, NY.
- (October 2017) Prompts for Restructuring Oral Muscular Phonetic Targets (PROMPT) Training Level I.

#### MEMBERSHIP IN PROFESSIONAL SOCIETIES

- (2018 - present) Linguistic Society of America  
 (2016 - present) New York State Speech-Language-Hearing Association  
 (2014 - present) American Speech-Language-Hearing Association  
 (2012 - present) Association for Laboratory Phonology  
 (2010 - present) International Speech Communication Association  
 (2009 - present) Acoustical Society of America

#### LANGUAGES

<u>Programming</u>	<u>Communicative</u>
R	English (native)
L <sup>A</sup> T <sub>E</sub> X	Italian (intermediate spoken, advanced read and written)
MATLAB	Spanish (intermediate spoken, advanced read and written)