

CURRICULUM VITÆ

PROFESSOR KAREN FROUD, Ph.D.

Department of Biobehavioral Sciences
Teachers College, Columbia University
525 West 120th Street
New York, NY 10027

Phone: (212) 678 8169
Fax: (212) 678 8233
e-mail: kf2119@tc.columbia.edu

Citizenship: British, American

EDUCATION

Doctor of Philosophy, Theoretical Linguistics, 2001	University College London London, UK Department of Phonetics and Linguistics Doctoral advisor: Professor Neil V. Smith
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Master of Sciences, Linguistics, 1998 (Distinction)	University College London London, UK Department of Phonetics and Linguistics
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Bachelor of Sciences, Clinical Communication Sciences, 1996 (First Class Honors)	Central School of Speech & Drama London, UK Department of Clinical Communication Sciences
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CURRENT POSITION

Associate Professor of Neuroscience & Education (2014-present)
Department of Biobehavioral Sciences
Columbia University Teachers College, New York, NY

PROFESSIONAL EXPERIENCE / PREVIOUS POSITIONS

Associate Professor of Speech-Language Pathology (2009-2014)
Department of Biobehavioral Sciences
Columbia University Teachers College, New York, NY

Assistant Professor of Speech-Language Pathology (2003-2009)
Department of Biobehavioral Sciences
Columbia University Teachers College, New York, NY

PREVIOUS POSITIONS (CONT.)

Postdoctoral Research Fellow (2002-2003)

Dept of Linguistics & Philosophy / Dept of Brain & Cognitive Sciences
Massachusetts Institute of Technology, Cambridge, MA

Postdoctoral Research Fellow (2001-2002)

Center for Developmental Language Disorders and Cognitive Neuroscience
Dept of Human Communication Sciences
University College London, London, UK

Adjunct Instructor (2001)

Department of Italian
University College London, London, UK

Instructor (1999, 2001)

Department of Phonetics and Linguistics
University College London, London, UK

Teaching Assistant (1998-2000)

Department of Phonetics and Linguistics
University College London, London, UK

Adjunct Instructor (1998-1999)

Department of Communication Sciences
Middlesex University, Hendon, UK

Adjunct Instructor (1997-1998)

Department of Clinical Communication Sciences
Central School of Speech and Drama, London, UK

Speech-Language Therapy Consultant (1998-2000)

Stroke Association
London, UK

Speech-Language Therapist (1996-1998)

Royal Hospital for Neuro-Disability
London, UK

PEER-REVIEWED PUBLICATIONS

** indicates former doctoral student co-author*

*Randazzo, M., Priefer, R., Smith, P., Nagler, A., *Avery, T. & Froud, K. (in press). Neural correlates of modality-sensitive deviance detection in the audiovisual oddball paradigm. To appear in *Brain Sciences*.

*Green, H.L., *Shuffrey, L., *Levinson, L., *Shen, G., *Avery, T. *Randazzo, M., ...& Froud, K. (2020). Evaluation of mismatch negativity as a biomarker of language impairment in autism spectrum disorder. *Journal of Communication Disorders*, 87. <https://doi.org/10.1016/j.jcomdis.2020.105997>

- Dowd, A.J., Bartlett, L., Khamis-Dakwar, R. & Froud, K. (2020). Measure fluency, vocabulary, and comprehension in international reading efforts. *Comparative Education Review*, 64, 2, 309-315.
- Khamis-Dakwar, R., Ahmar, M., & Froud, K. (2019). Arabic dual formation in typically developing heritage speakers of Arabic. In Khalfaoui, A. & Haddad, Y. (Eds.) *Perspectives in Arabic Linguistics XXXI* (pp. 207-233). Amsterdam and New York: John Benjamins.
- *Shuffrey, L., *Levinson, L., Becerra, A., Pak, G., *Moya Sepulveda, D., Montgomery, A., ... & Froud, K. (2018). Visually evoked response differences to contrast and motion in children with autism spectrum disorder. *Brain Sciences*, 8(9), 160.
- Khamis-Dakwar, R., Ahmar, M., Farah, R., & Froud, K. (2018). Diglossic aphasia and the adaptation of the Bilingual Aphasia Test to Palestinian Arabic and Modern Standard Arabic. *Journal of Neurolinguistics*, 47, 131-144.
- *Shen, G. & Froud, K. (2018). Electrophysiological correlates of categorical perception of lexical tones by English learners of Mandarin Chinese: an ERP study. *Bilingualism: Language and Cognition*, 1-13.
- *Sánchez-Vincitoire, L. V., *Avery, T., & Froud, K. (2017). Word-related N170 responses to implicit and explicit reading tasks in neoliterate adults. *International Journal of Behavioral Development*, 0165025417714063.
- *García, P. & Froud, K. (2016). Perception of American English vowels by sequential Spanish–English bilinguals. *Bilingualism: Language and Cognition*, 1-24.
- *Shen, G., & Froud, K. (2016). Categorical perception of lexical tones by English learners of Mandarin Chinese. *Journal of the Acoustical Society of America*, 140(6), 4396-4403.
- Khamis-Dakwar, R. & Froud, K. (2014). Neurocognitive modeling of the two language systems in Arabic diglossia. In Khamis-Dakwar, R. & Froud, K. (Eds.), *Perspectives in Arabic Linguistics, XXVI*, pp. 285-302. Amsterdam: John Benjamins.
- Froud, K. & Khamis-Dakwar, R. (2012). Phonological representations in primary Childhood Apraxia of Speech (CAS): An ERP study. *American Journal of Speech-Language Pathology*, 21, 302-312.
- Khamis-Dakwar, R. & Froud, K. (2012). Aphasia, language and culture: Arabs in the U.S. In Gitterman, M., Goral, M. & Obler, L. (Eds.) *Aspects of Multilingual Aphasia*. Bristol, UK: Multilingual Matters.
- Khamis-Dakwar, R., Froud, K. & Gordon, P. (2012). Syntactic and Morphological Development in Arabic Diglossia. *Journal of Child Language*, 39, 61-89.
- Froud, K., Titone, D., Marantz, A. & Levy, D.L. (2010). Brain/behavior asymmetry in schizophrenia: a preliminary MEG study of cross-modal semantic priming in schizophrenia. *Journal of Neurolinguistics*, 23, 3, 223-239.
- *Galvano, J. & Froud, K. (2008). Evidence of the Voice-Related Cortical Potential: an electroencephalographic study. *NeuroImage*, 41, 1313-1323.

Froud, K. & van der Lely, H.K.J. (2008). The count-mass distinction in typically developing and grammatically specifically language impaired children: new evidence on the role of syntax and semantics. *Journal of Communication Disorders*, 41, 274-303.

Khamis-Dakwar, R., & Froud, K. (2007). Lexical processing in two language varieties: an event-related brain potential study of Arabic native speakers. In Mughazy, M. (Ed.) *Perspectives on Arabic Linguistics XX*, 153-166. Amsterdam: John Benjamins.

Froud, K. (2006). Unaccusativity as lexical argument reduction: evidence from aphasia. *Lingua*, 116, 1631-1650.

Gardner, H., Froud, K., McLelland, A. & van der Lely, H.K.J. (2006). The development of the Grammar and Phonology Screening (GAPS) test to assess key markers of specific language difficulties in young children. *International Journal of Language and Communication Disorders*, 41 (5), 513-540.

Allen, K., Carlile, S., Alais, D. & Froud, K. (2005). Persistence of auditory streaming preserves release from masking. *Canadian Acoustics*, 33, 3, 46-47.

Druks, J. & Froud, K. (2002). The syntax of single words: evidence from a patient with a function word deficit. *Cognitive Neuropsychology*, 19(3), 207-244.

Froud, K. (2001). Prepositions and the lexical / functional divide: aphasic evidence. *Lingua*, 111, 1-28.

Froud, K. (1998). Aphasic evidence for the syntactic determination of unaccusativity. *UCL Working Papers in Linguistics*, 10, 1-18.

OTHER PUBLICATIONS (BOOK CHAPTERS, EDITED VOLUMES, ASSESSMENTS)

**** invited contribution**

**Froud, K. & Khamis-Dakwar, R. (in press). The study of Arabic language acquisition: a critical review. In press for Ryding, K. & Wilmsen, D. *The Cambridge Handbook of Arabic Linguistics*. Cambridge, UK: Cambridge University Press.

**Khamis-Dakwar, R., Marzouqa, L.Q., Bishara, S. & Froud, K. (2020). Assessment of aphasia recovery in diglossia in Arabic speakers. Research summary for *Aphasia Services in Diverse Neurorehabilitation Caseloads Newsletter*, February 2020.

**Khamis-Dakwar, R. & Froud, K. (2019). Neurophysiological investigations in studies of Arabic linguistics: The case of Arabic diglossia. In Benmamoun, E. & Bassioune, R. (Eds.) *The Routledge Handbook of Arabic Linguistics* (pp.306-319). Blackwell: Routledge.

Randazzo, M., Khamis-Dakwar, R., & Froud, K. (2017). Childhood Apraxia of Speech. In Damico, J.S. & Ball, M.J. (Eds.) *SAGE Encyclopedia of Human Communication Sciences and Disorders*. Thousand Oaks, CA: SAGE Publishing.

- Paradis, M., Khamis-Dakwar, R., Ahmar, M., Farah, R., & Froud, K. (2016). Bilingual Aphasia Test (Modern Standard Arabic Version). Available online at <http://www.mcgill.ca/linguistics/research/bat>
- Froud, K. & Khamis-Dakwar, R. (2014). Introduction: Diversity and innovation in Arabic linguistics. In Khamis-Dakwar, R. & Froud, K. (Eds.), *Perspectives in Arabic Linguistics*, XXVI, pp. 1-8. Amsterdam: John Benjamins.
- **Froud, K. (2015). Understanding and addressing the theory-to-practice divide in clinical training and practice. In Bowen, C. (Ed.), *Children's Speech Sound Disorders*. London: John Wiley & Sons.
- **Froud, K. & Khamis-Dakwar, R. (2015). Neural correlates of speech sound perception in Childhood Apraxia of Speech. In Bowen, C. (Ed.), *Children's Speech Sound Disorders*. London: John Wiley & Sons.
- Khamis-Dakwar, R. & Froud, K. (Eds.) (2014). *Perspectives in Arabic Linguistics Volume XXVI: Innovation and Diversity*. Amsterdam: John Benjamins.
- Khamis-Dakwar, R. & Froud, K. (2012). Aphasia, language and culture: Arabs in the U.S. In Gitterman, M., Goral, M. & Obler, L. (Eds.) *Aspects of Multilingual Aphasia*. Bristol, UK: Multilingual Matters.
- van der Lely, H.K.J., Froud, K., Gardner, H., McLelland, A. (2007). The grammar and phonology screening test (GAPS). University of London, UK: Heather van der Lely Foundation. (Available online at <http://hvd1.org.uk/gaps/>).
- Bury, D., Froud, K., Horsey, R. & Szendroi, K. (Eds.) (2004). Focus and the interaction between syntax and pragmatics. Special Issue of *Lingua*, 114, 3, 227-388.

INVITED TALKS

- Froud, K. (2019). "Failing in an interesting and useful way" (N.V. Smith): the scientific process in investigations of language in the brain. Invited talk at Department of Linguistics and Phonetics, University College London, London, UK.
- Froud, K. & Khamis-Dakwar, R. (2019). The clinical and theoretical study of Arabic diglossia in Communication Sciences and Disorders. Invited talk for Al Ahliyya University, Amman, Jordan.
- Froud, K. (2018). Neuroscience of Reading. Invited presentation for Education Cannot Wait: Holistic Assessment Workshop organized by UNICEF, Save the Children and the Whole Syria Project, Amman, Jordan (presentation via Skype).
- Froud, K. (2015). Cognitive neuropsychological approaches to assessment and intervention in aphasia. Invited talk for the Lebanese Association of Language Therapists, Beirut, Lebanon.
- Froud, K. (2013). Interdisciplinary investigations in educational neuroscience and speech-language pathology. Invited talk for the Neuroscience Seminar Series, Haskins Laboratories, Yale University.
- Froud, K. & Khamis-Dakwar, R. (2013). State of the art in Childhood apraxia of speech neuroimaging research. Invited talk for the Childhood Apraxia of Speech Association of North America (CASANA).
- Froud, K. (2012). Neurocognitive research in language and learning. Invited talk for Provost's Series, Teachers College, Columbia University.

- Khamis-Dakwar, R. & Froud, K. (2010). Neurocognitive investigations of codeswitching in Arabic Diglossia: breaking with tradition. Invited talk for Arabic Linguistics Symposium, Austin, TX.
- Khamis-Dakwar, R. & Froud, K. (2007). Neurophysiological evidence for codeswitching in Diglossia. Invited talk at City University of New York Graduate Center, New York, NY.
- Khamis-Dakwar, R. & Froud, K. (2007). Diglossia through a neuroscientific lens: new research perspectives. Invited talk at the Israeli Academy, Van Leer, Jerusalem.
- Froud, K. & Khamis-Dakwar, R. (2007). Neuroscience and language development. Invited talk to the Jordanian Teachers Delegation, Teachers College, Columbia University, New York, NY.
- Froud, K. (2006). Schizophrenia as a disorder of thought, or language? Evidence from brain and behavioral investigations. Invited talk at Department of Phonetics & Linguistics, University College London, UK.
- Froud, K. (2005). A magnetoencephalographic study of lexical processing and formal thought disorder in schizophrenia. Invited talk at 16th Annual Scientific Symposium of the National Alliance for Research into Schizophrenia and Affective Disorders. New York, NY.

CONFERENCE TALKS

- Khamis-Dakwar, R., Nagler, A., Salam, I., & Froud, K. (2020). Arabic and English plural formation in typically developing heritage speakers of Arabic: A longitudinal study. Talk presented at Arabic Linguistics Symposium, Tucson, AZ.
- Khamis-Dakwar, R., & Froud, K. (2019). Diglossic variables in neurocognitive phonological and lexical processing of Arabic. Platform presentation at the 33rd Annual Symposium on Arabic Linguistics, University of Toronto, Canada.
- Khamis-Dakwar, R. Froud, K., & Ayob, O. (November 2018). Dual production as a marker of Arabic typical development in Heritage Speakers: Longitudinal case studies. Technical clinical presentation at the American Speech-Language-Hearing Association Convention, Boston, MA.
- Levinson, L., Narayan, S. & Froud, K. (2017). Neural correlates of early visual processing differences in developmental dyslexia. Talk presented at New England Research on Dyslexia Society, Storrs, CT.
- Randazzo, M. & Froud, K. (2016). Audiovisual integration in acquired apraxia of speech: EEG evidence for processing differences. Platform presentation at the American Speech-Language Hearing Association Convention, Philadelphia, PA.
- Khamis-Dakwar, R., & Froud, K. (2016). A critical review of cultural and linguistic guidelines for providing services to minority populations. Platform presentation at the American Speech-Language-Hearing Association Convention. Philadelphia, PA.
- Green, H., Goodwin, L. & Froud, K. (2016). Evaluation of Mismatch Negativity as a biomarker for language impairment in Autism Spectrum Disorder. Talk presented at International Society for Autism Research meeting, Baltimore, MD.
- Goodwin, L., Green, H. & Froud, K. (2016). Autism and immunity: Salivary cytokines in children with Autism Spectrum Disorder. Talk presented at International Society for Autism Research meeting, Baltimore, MD.
- Randazzo, M. & Froud, K. (2015). Interprofessional collaboration in international settings. A service delivery model for sustainable practices. Platform presentation at the American Speech-Language Hearing Association Convention, Denver, CO.
- Khamis-Dakwar, R., & Froud, K. (2014). Language learning in Heritage and Non-Heritage adult learners of Arabic: An ERP study. Platform presentation for the 28th Annual Symposium on Arabic Linguistics, University of Florida at Gainesville.
- Froud, K., Tsakali, V. & Wexler, K. (2010). Late maturation of Raising in English: evidence from typically developing children. Talk for Generative Approaches to Language Acquisition: North

America (GALANA), Philadelphia, PA.

- Froud, K., Khamis-Dakwar, R. & Randazzo, M. (2008). Childhood Apraxia of Speech (CAS): Neurophysiological evidence for phonological involvement. Platform presentation at American Speech-Language-Hearing Association Annual Meeting, Chicago, IL.
- Froud, K. (2008). Applicability of neurocognitive approaches to the study of second language acquisition. Platform presentation at American Association of Applied Linguistics Annual Meeting, Washington, D.C.
- Froud, K. (2008). Interdisciplinary approaches to second language acquisition. Platform presentation at American Association of Applied Linguistics Annual Meeting, Washington, D.C.
- Froud, K. & Galgano, J. (2007). Using EEG to determine characteristics of neural preparation for voicing. Platform presentation at Voice Foundation Symposium, Philadelphia, PA.
- Galgano, J., Froud, K. & Hirsch, J. (2007). Event-related fMRI reveals age-related changes on sensorimotor activation during phonation. Platform presentation at Voice Foundation Symposium, Philadelphia, PA.
- Khamis-Dakwar, R. & Froud, K. (2006). Lexical processing in two language varieties: An event-related brain potential study of Arabic native speakers. Platform presentation at Arabic Linguistics Symposium, Kalamazoo, MI.
- Froud, K. & van der Lely, H.K.J. (2002). Children with G-SLI and Lexical-SLI: Ontological categories, syntactic knowledge, and children's induction of word meaning. Platform presentation at the 23rd Annual Symposium on Research in Child Language, University of Wisconsin, Madison, WI.
- Froud, K. (1999). A lexical / functional distinction in acquired dyslexia: a syntactic account at the single word level? Presentation at Manchester University Postgraduate Linguistics Conference, Manchester, UK.
- Froud, K. & Druks, J. (1998). The syntax of single words: a single case study of an acquired aphasic deficit. Platform presentation at Bressanone Annual Neuropsychology Conference, Bressanone, Italy.

POSTERS PRESENTED AT PROFESSIONAL MEETINGS & CONFERENCES

- Froud, K., Levinson, L., Maddox, C., Avery, T., Lau, A., Jung, S.W., Wusinich, C., Mills-Borbon, D., Hasbun-Taveras, C. & Egglefield, D. Evaluating the N170 ERP as an index of 6th-grade reading ability for advanced vs. developing decoders. Cognitive Neuroscience Society, San Francisco, CA, April 2019.
- Levinson, L., Shuffrey, L., Maddox, C., Green, H., Avery, T., Lau, A., Narayan, S., Jung, S., Rojas, S.X. & Froud, K. Visually-evoked ERP response differences to motion and color in adults with and without developmental dyslexia. Cognitive Neuroscience Society, San Francisco, CA, April 2019.
- Randazzo, M. & Froud, K. EEG Evidence for differences in audiovisual speech processing in Apraxia of Speech. Cognitive Neuroscience Society, San Francisco, CA, April 2017.
- Levinson, L., Shuffrey, L., Green, H., Moya Sepulveda, D., Pak, G., Becerra, A. & Froud, K. Evaluation of the N100 as an electrophysiological marker of surround suppression in healthy adults. Cognitive Neuroscience Society, San Francisco, CA, April 2017.
- Levinson, L., Shuffrey, L., Green, H., Moya Sepulveda, D., Pak, G., Becerra, A. & Froud, K. Electrophysiological correlates of an excitatory:inhibitory imbalance in children with Autism Spectrum Disorder. Cognitive Neuroscience Society, San Francisco, CA, April 2017.
- Randazzo, M. & Froud, K. Audiovisual integration in acquired apraxia of speech: EEG evidence for processing differences. Cognitive Neuroscience Society, New York, NY, April 2016.
- Khamis-Dakwar, R., Shen, G.M., Avery, T., & Froud, K. Language processing in Arabic diglossia: MMN and N400 responses to shared versus non-shared features in Modern Standard Arabic and spoken Arabic. Cognitive Neuroscience Society meeting, New York, NY, April 2016.

- Avery, T., Froud, K., Martin, A., & Brooks-Gunn, J. Evaluating the effects of mindfulness practices in young children using ERP measures of attention and salivary measures of stress. Annual meeting of the Society for Psychophysiological Research, Seattle, WA, September 2015.
- Randazzo Wagner, M., Martinez, N., Garcia, F., Green, H., Froud, K. Accessible, sustainable, culturally relevant: A service delivery model for rural Cambodia. American Speech-Language-Hearing Association Convention, Orlando, FL, November 2014.
- Garcia, F., Avery, T., Khamis-Dakwar, R. & Froud, K. ERP responses to subject agreement violations in African American English: evidence for diglossic representation. Cognitive Neuroscience Society meeting, Boston, MA, April 2014.
- Avery, P., Sanchez, L. & Froud, K. N170 Visual word specialization on implicit and explicit reading tasks in Spanish-speaking adult neoliterates. Cognitive Neuroscience Society meeting, San Francisco, CA, April 2013.
- Garcia, F., Khamis-Dakwar, R. & Froud, K. Neural Correlates of African American English Syntax: An ERP Pilot Study. Cognitive Neuroscience Society meeting, San Francisco, CA, April 2013.
- Maddox, C., Froud, K. & Black, J. An ERP Investigation of Two Modes of Reasoning. Cognitive Neuroscience Society meeting, San Francisco, CA, April 2013.
- Froud, K., Khamis-Dakwar, R. & Scott, K. Integrating Evidence-Based Practice in academic training of graduate students. American Speech-Language Hearing Association, Atlanta, GA, November 2012.
- Froud, K., Khamis-Dakwar, R., Randazzo, M. & Garcia, F. MMN responses in acquired apraxia of speech: evidence for phonological involvement. Cognitive Neuroscience Society Annual Meeting, Chicago, April 2012.
- Khamis-Dakwar, R. & Froud, K. Longitudinal change in MMN and N400 responses to Arabic linguistic features (or to Arabic phonemic contrasts, lexical status, and morphological patterns) by a heritage and non-heritage learner of Arabic. Cognitive Neuroscience Society Annual Meeting, Chicago, April 2012.
- Froud, K., Khamis-Dakwar, R. & Randazzo, M. MMN responses in acquired and developmental apraxia of speech: evidence for phonological involvement. Cognitive Neuroscience Society Annual Meeting, San Francisco, April 2011.
- Garcia, P. & Froud, K. Longitudinal change in MMN responses to English vowels by a Spanish-speaking learner of English. Cognitive Neuroscience Society Annual Meeting, Montreal, QC, April 2010.
- Khamis-Dakwar, R., Randazzo, M., & Froud, K. Phonological representation in Childhood Apraxia of Speech (CAS): An ERP study. Cognitive Neuroscience Society Annual Meeting, Montreal, QC, April 2010.
- Maddox, C., Black, J. & Froud, K. An electroencephalography study of two forms of reasoning. Cognitive Neuroscience Society Annual Meeting, Montreal, QC, April 2010.
- Purdy, J.D. & Froud, K. Event-related potential responses to grammaticality violations involving verbs: A possible index of increasing second-language proficiency. Cognitive Neuroscience Society Annual Meeting, Montreal, QC, April 2010.
- García, P. & Froud, K. Speech perception in late Spanish-English bilinguals. Presentation at the Association of Latin-American Students, Teachers College, Columbia University, New York, March 2010.
- Khamis-Dakwar, R. & Froud, K. Neurocognitive investigations of codeswitching in Arabic diglossia. Georgetown University Round Table on Second Language Acquisition, Georgetown, MD, March 2010.
- Purdy, J.D. & Froud, K. Unaccusativity and neurocognitive indices of second language acquisition: An ERP study. Georgetown University Round Table on Second Language Acquisition, Georgetown, MD, March 2009.
- Khamis-Dakwar, R., Froud, K. & Boudelaa, S. Lexical Processing in diglossic code switching between Modern Standard Arabic and Palestinian Colloquial Arabic: An event-related brain potential study

- of Arabic native speakers. Cognitive Neuroscience Society Annual Meeting, San Francisco, CA, April 2009.
- Sibuma, B., Black, J. & Froud, K. Examining the Equivalency of Visual Designs on Face Processing: An Event-Related Potential Study. Cognitive Neuroscience Society Annual Meeting, New York, May 2007.
- Baer, T. & Froud, K. Neural responses to major / minor chord changes in musical phrases: an ERP study. Cognitive Neuroscience Society Annual Meeting, New York, May 2007.
- Garcia, P. & Froud, K. N100 and P300 responses to native and non-native vowels in late Spanish-English bilinguals. Cognitive Neuroscience Society Annual Meeting, New York, May 2007.
- Khamis-Dakwar, R. & Froud, K. Neural correlates of diglossic codeswitching: and ERP study of Modern Standard Arabic and Palestinian Colloquial Arabic. Cognitive Neuroscience Society Annual Meeting, New York, May 2007.
- Purdy, J.D. & Froud, K. The influence of L1 properties on storage of L2 parsing representations in procedural memory: an ERP study. Cognitive Neuroscience Society Annual Meeting, New York, May 2007.
- Galgano, J. & Froud, K. Electroencephalography (EEG) reveals age-related changes of the Voice-Related Cortical Potential (VRCP) during phonation. Cognitive Neuroscience Society Annual Meeting, New York, May 2007.
- Grice, A., Froud, K. & Levy, D. L. The narrative performance of individuals with schizophrenia. American Speech Language and Hearing Association Annual Convention, Miami, FL, November 2006.
- Sibuma, B., Froud, K., & Black, J. Electrophysiological evidence of potential interaction between dimensionality and facial expression processing. Association for Psychological Science Annual Convention, New York, NY, May 2006.
- Froud, K. Lexical access in schizophrenic adults: a magnetoencephalographic investigation of lexical frequency effects and their neural correlates in disordered temporal lobe functioning. Cognitive Neuroscience Society Annual Meeting, San Francisco, April 2006.
- Sibuma, B., Froud, K., & Black, J. Effects of dimensionality on face processing: an electrophysiological investigation. Cognitive Neuroscience Society Annual Meeting, San Francisco, April 2006.
- Froud, K., Levy, D., Marantz, A. & Titone, D. Semantic priming in schizophrenia: a MEG study. Society for Neuroscience 35th Annual Meeting, Washington D.C., November 2005.
- Froud, K., Galgano, J., Young, J. & Hirsch, J. Effects of morphological complexity and lexicality: results from fMRI and EEG. Cognitive Neuroscience Society Annual Meeting, New York, NY, April 2005.
- Purdy, J.D. & Froud, K. Electrophysiological evidence for L1 interference in L2 sentence processing. Organization for Human Brain Mapping Annual Meeting, Toronto, Canada, June 2005.
- Young, J. & Froud, K. The N400 in a case of developmental language disorder. Organization for Human Brain Mapping Annual Meeting, Toronto, Canada, June 2005.
- Galgano, J. & Froud, K. An electroencephalographic study of the readiness potential associated with true vocal fold adduction and the onset of phonation in adults. Organization for Human Brain Mapping Annual Meeting, Toronto, Canada, June 2005.

TRAINING AND FELLOWSHIPS

Functional MRI Visiting Fellowship. Athinoula Martinos Center for Biomedical Imaging, Massachusetts General Hospital, Charlestown MA, October 2005.

Electrical Geodesics Inc., Advanced Training Workshops for high density EEG data collection and analysis. Eugene OR, July 2003.

Neurodata Analytics Fellowship. Woods Hole Marine Biological Institute, Woods Hole MA, July 2002.

Mind Articulation Program Postdoctoral Fellowship, Massachusetts Institute of Technology (2002-2003). Training in neurolinguistics and brain imaging (functional magnetic resonance imaging, magnetoencephalography, electroencephalography).

Doctoral Fellowship, British Academy Research Board (1998-2001). Prestigious academic fellowship awarded in recognition of high achievement in doctoral studies.

Predocotrual Fellowship, British Academy Research Board (1997-1998). Prestigious academic fellowship awarded in recognition of high achievement in masters studies.

HONORS

2019: Recognition Award for Contributions to Speech-Language Pathology in the Arab World, Al-Ahliyye University, Amman, Jordan.

2011-present: Honorary Faculty Member, Faculty of Medicine, Department of Speech-Language Pathology, University of Kelaniye, Colombo, Sri Lanka.

2007: Teachers College Award for Outstanding Teaching

GRANTS AND AWARDS

Roderick MacArthur Foundation (2020-present). Principal Investigator. *Neural correlates of reading print and digital media: Pilot Study.*
\$50,000

Houghton Mifflin Harcourt (2018-2020). Principal Investigator. *Neural responsiveness to reading intervention as indexed by the N170 ERP component.*
\$263,373

National Institutes of Mental Health (2011-2017). Co-Investigator, with Prof. George Bonnano. *Predictors and diagnostic markers of prolonged grief.*
\$1.1m

Teachers College, Columbia University Provost's Faculty Research Award (2013). Awardee, with Prof. Jeanne Brooks-Gunn. *Pilot measures for interdisciplinary study of effects of mindfulness practices in the classroom.*
\$20,000

Childhood Apraxia of Speech Association of North America (2013-2014). Principal Investigator. *Neural correlates of speech-sound representation in children with childhood apraxia of speech.*
\$49,975

Teachers College, Columbia University Provost's Faculty Development Award (2013). Awardee. *Feasibility study for development of a doctoral program in Educational Neuroscience.*
\$20,000

Teachers College, Columbia University Provost's Faculty Development Award (2012). Awardee. *Hosting the Arabic Linguistics Symposium at Teachers College.*
\$16,000

Teachers College, Columbia University Provost's Faculty Development Award (2009). Awardee. *Speech-Language Pathology models for service provision in Cambodia.*
\$20,000

Croll Foundation (2007-2009). Co-investigator (with John Saxman PhD, Bruce Roseman MD). *Changes in Speech, Language, and Motor abilities following therapeutic treatment for Benign Rolandic Epilepsy in children.*
\$1,000,000

National Institutes of Health / National Institute for Deafness and other Communication Disorders, F-31 (2007-2008). Sponsor. *Neural correlates of laryngeal movement associated with young and aging voice planning and production: ERP characteristics of the Voice-Related Cortical Potential.*
\$27,958

Dean's Faculty Diversity Research Award (2006) Principal Investigator. *An investigation of the neural correlates of diglossic language processing in native Arabic speakers.*
\$3,000

Essell Young Investigator Award, National Alliance for Research into Schizophrenia and Affective Disorders (2003-2005). Principal Investigator. *A magnetoencephalographic study of lexical processing and formal thought disorder in schizophrenia.*
\$60,000

PROFESSIONAL CERTIFICATIONS

Certificate of Clinical Competence, American Speech-Language-Hearing Association, #14006516
Certified Member of the Royal College of Speech-Language Therapists, #RC0033431
Registered Practitioner, UK Health Professions Council, Speech Language Therapy, #SL30253

PROFESSIONAL AFFILIATIONS

American Speech-Language-Hearing Association
Arabic Linguistics Society
Cognitive Neuroscience Society
Health Professions Council of the United Kingdom
Linguistics Society of America
Organization for Human Brain Mapping
Royal College of Speech and Language Therapists
Society for Neuroscience
Society for Psychophysiological Research

TEACHING AND ADVISING

Courses Taught: Teachers College Columbia University (Graduate courses)

For the Program in Neuroscience & Education (BBSN):

- Research Methods in Neuroscience
- Psychology of Language and Reading (cross-listed in HUDK)
- Neurobiology of Aging
- Current Issues in Neuroscience
- Neuroscience of Reading
- Lab Methods for Electroencephalographic Investigations of Language & Cognition

For the Program in Communication Sciences & Disorders (BBSQ):

- Language Disorders in Adults
- Neuroscience of Speech and Language
- Language Development
- Disorders of Articulation and Phonology
- Transcultural Speech-Language Pathology: Cambodia

Graduate Seminars: Writing Seminar for Doctoral Students
Practical psycholinguistics for experimental applications (lab seminar)
Linguistic theory, language development and language breakdown
Neurophysiology of mental processes
Brain, language & cognition
Clinical & theoretical approaches to Childhood Apraxia of Speech

Clinical Training & Supervision:

Practicum in Transcultural Speech-Language Pathology (2011-2013)

Previous teaching experience (Undergraduate courses):

- Introduction to Generative Grammar
- Principles of Linguistic Theory
- Introduction to Communication
- Language Forms
- Introduction to Linguistics: Syntax I and II

Additional teaching experiences in the U.S. and internationally

Paraprofessional staff trainings in aspects of feeding, swallowing and communication intervention. Safe Haven Medical Outreach, Siem Reap, Cambodia. 2013-present.

Cultural competence in medical education. Module for College of Medical and Health Sciences, St. Lucia. 2015.

The clinical neuroanatomy of speech and language. Module for College of Medical and Health Sciences, St. Lucia. 2014, 2015.

Speech-language pathology for audiology professionals in Cambodia. All Ears Cambodia, Phnom Penh and Siem Reap. 2010-2011.

Medical and paraprofessional staff trainings in aspects of feeding, swallowing and communication intervention. Angkor Hospital for Children, Siem Reap, Cambodia. 2009-2012.

- Cognitive neuropsychology and aphasia. Bachelor of Science Program in Speech-Language Pathology, Kelaniye University, Colombo, Sri Lanka. 2011.
- Neuroscience of bilingualism. Bilingual Extension Annual Institute in Speech-Language Pathology. Columbia University Teachers College, New York, NY. 2007-2010.
- Neuroscience of first and second language acquisition: guest lectures for the Bilingual Extension Summer Institute for Speech-Language Pathologists. Columbia University Teachers College, New York, NY. June 2007.
- A neurolinguistic introduction to aphasia. Guest lectures for Neurolinguistics seminar course, City University of New York Graduate Center Linguistics / Speech & Hearing Departments, New York NY. 2005-2006.
- Communication Issues in Mental Health Disorders - Practicum lecture. Columbia University Teachers College, New York NY. 2004.
- Effects of split intransitivity in acquired language disorder; Developmental Neurolinguistics. Guest lectures for graduate course in Neurolinguistics, Departments of Linguistics & Psychology, New York University, New York, NY. 2003.

***Research Advisement of Students in Master of Science programs
(only students who have directly worked in my lab are listed here; many more were mentored on other projects)***

- Huiling Liu (Neuroscience & Education, 2019-present)
- Ben Bravo (Neuroscience & Education, 2019-present)
- Paul Smith (Neuroscience & Education, 2018-present)
- David Hargrove (Neuroscience & Education, 2018-present)
- Deyrha Mills Borbon (Neuroscience & Education, 2017-2019)
- Camila Hasbun-Taveras (Neuroscience & Education, 2017-2019)
- Christina Wusinich (Neuroscience & Education, 2017-2019)
- Kyle Blidy (Neuroscience & Education, 2017-2019)
- Neke Nsor (Neuroscience & Education, 2017-2019)
- Sushma Narayan (Neuroscience & Education, 2016-2018)
- Gaelen Hadlett (Neuroscience & Education, 2012-2016)
- Felicidad Garcia (Speech-Language Pathology, 2010-2012)
- Lisa Levinson (Neuroscience & Education, 2009-2012)
- Laura McCarthy (Speech-Language Pathology, 2008-2010)
- Julia Csillag (Speech-Language Pathology, 2007-2009)
- Christopher Lebron (Speech-Language Pathology, 2007-2009)
- Fredrik Tunvall (Neuroscience & Education, 2007-2009)
- Melissa Randazzo (Speech-Language Pathology, 2006-2008)
- Laura Sánchez (Neuroscience & Education, 2006-2008)
- Adriana Calderon (Neuroscience & Education, 2006-2008)
- John Aspromonte (Neuroscience & Education, 2006-2008)
- Paula Garcia (Neuroscience & Education, 2005-2007)
- Jessica Young (Speech-Language Pathology, 2003-2005)

Research Advisement of Doctoral Students

- Anna Silberman (Sponsor, Cognitive Studies, 2019- present)
- Adriel Brown (Committee Member, Cognitive Studies, 2018-present)

Erin Reddick (Committee Member, Cognitive Studies, 2018-present)
Jean E. Tang (Committee Member, Cognitive Studies, 2018-present)
VoulaSadie Simhairi (Sponsor, Cognitive Studies, 2018-present)
Airey Lau (Sponsor, Communication Sciences & Disorders, 2013-2019)
Lisa M. Levinson (Sponsor, Communication Sciences & Disorders, 2012-2018)
Felicidad Garcia (Sponsor, Communication Sciences & Disorders, 2012-2016)
Dayna Moya (Sponsor, Communication Sciences & Disorders, 2012-2016)
Melissa Randazzo Wagner (Sponsor, Communication Sciences & Disorders, 2011-2016)
Trey Avery (Sponsor, Communication Sciences & Disorders, 2012-2016)
Heather L. Green (Sponsor, Communication Sciences & Disorders, 2011-2016)
Guannan Shen (Sponsor, Communication Sciences & Disorders, 2011-2015)
Paula Garcia (Sponsor, Speech-Language Pathology, 2006-2014)
Laura Sánchez (Sponsor, Speech-Language Pathology, 2008-2013)
Chaille Maddox (Co-Sponsor, Cognitive Studies, 2008-2012)
Etoile LeBlanc (Co-Sponsor, Speech-Language Pathology, 2010-2012)
J.D. Purdy (Co-Sponsor, Applied Linguistics, 2006-2010)
Bernadette Sibuma (Co-Sponsor, Instructional Technology & Media, 2004-2007)
Jessica Galgano (Sponsor, Speech-Language Pathology, 2003-2007)

Doctoral Dissertation Committees () indicates my own doctoral graduates)***

- ***Airey Lau (Sponsor, Communication Sciences & Disorders, Ph.D., 2019). *Parental reflective functioning and children's emergent reading skills: ERP and longitudinal behavioral measures.*
- Andrew Dakopolos (Examiner, Intellectual Disabilities and Autism, Ph.D., 2019). *Aspects of joint attention in Autism Spectrum Disorder.*
- ***Lisa Levinson (Sponsor, Communication Sciences & Disorders, Ph.D., 2018). *Neural correlates of early-stage visual processing differences in developmental dyslexia.*
- ***Dayna Moya Sepulveda (Sponsor, Communication Sciences & Disorders, Ph.D., 2017). *N400 evidence for musical facilitation of word boundary identification in second language exposure.*
- ***Lauren Shuffrey (Sponsor, Communication Sciences & Disorders, Ph.D., 2017). *Electrophysiological marker of a potential excitatory/inhibitory imbalance in children with Autism Spectrum Disorder.*
- ***Felicidad García (Sponsor, Communication Sciences & Disorders, Ph.D., 2017). *Brain responses to contrastive and noncontrastive morphosyntactic structures in African American English and mainstream American English: ERP evidence for the neural indices of dialect.*
- ***Melissa Randazzo (Sponsor, Communication Sciences and Disorders, Ph.D., 2016). *Audiovisual integration in apraxia of speech: EEG evidence for processing differences.*
- ***Trey Avery (Sponsor, Communication Sciences & Disorders, Ph.D., 2016). *Evaluating the effects of mindfulness practices in young children using electrophysiological measures of attention and salivary measures of stress.*
- Ioanna Malatra (Committee Chair, Communication Sciences & Disorders, Ph.D., 2016). *Respiratory muscle fatigue and the effects on swallowing.*

Chinara Tate (Committee Chair, Behavioral Nutrition, Ph.D., 2016). *Examining the effect of a high quality dietary intervention on cognitive function in early adolescence.*

Michael Swart (Examiner, Cognitive Studies, Ph.D., 2016). *¿When it is the gesture that counts: telling stories that cut to the [cyber]chase – or, gest get to the point!*

***Heather Green (Sponsor, Communication Sciences and Disorders, Ph.D., 2016). *Evaluation of Mismatch Negativity as a biomarker for language impairment in Autism Spectrum Disorders.*

***Guannan Shen (Sponsor, Communication Sciences and Disorders, Ph.D., 2015). *Perceptual learning of lexical tone categories: an ERP study.*

Stacy Cassel (Committee Chair, Communication Sciences & Disorders, Ph.D., 2015). *Patient responses to swallowing safety cues: A comparison of traditional face-to-face and tele-dysphagia instructional methods.*

Shirit Rosenberg (Examiner, Movement Sciences, Ed.D., 2015). *Physical activity and health in adults with and without disability.*

***Paula García (Sponsor, Speech-Language Pathology, Ph.D., 2014). *Perception of American English vowels by adult Spanish-English bilingual listeners.*

***Laura Sánchez (Sponsor, Speech-Language Pathology, Ph.D., 2013). *Neural correlates of visual word specialization in Spanish-speaking neoliterate adults.*

Dorothy Leone (Committee Chair, Speech-Language Pathology, Ph.D., 2013). *Children's perception of conversational and clear American-English vowels in noise.*

Drew Fagan (Examiner, Teaching of English as a Second or Other Language, Ed.D., 2013). *Managing learner contributions in the adult ESL classroom: a Conversational Analytic and ethnographic investigation of teacher practices and cognition.*

***Chaille Maddox (Co-sponsor, Cognitive Studies, Ph.D., 2012). *An electroencephalogram investigation of two modes of reasoning.*

Etoile LeBlanc (Co-Sponsor, Speech-Language Pathology, Ph.D., 2012). *Establishing genetic and genomic foundations in Communication Sciences and Disorders.*

Larissa Fedak (Examiner, Health & Behavior Studies, Ph.D., 2012). *The relationship between speech intelligibility and non-comprehension signaling in males with Down Syndrome and Fragile X.*

Vivian Cassie (Examiner, Music Education, Ed.D., 2011). *Experiences of "flow" in orchestral learning.*

Michael Perrone (Examiner, Applied Linguistics, Ed.D., 2010). *The impact of the First Certificate of English (FCE) examination upon the EFL classroom: A washback study.*

Claire VanDenBerghe (Examiner, Organizational Psychology, Ed.D., 2010). *How educational leaders learn to develop strategy for their institution: a case study.*

- John David Purdy (Co-Sponsor, Applied Linguistics, Ed.D., 2009). *Unaccusativity and neurocognitive indices of second language acquisition: an ERP study.*
- Hia Datta (External Examiner, Speech-Language Pathology, Ph.D. CUNY-Graduate Center, 2009). *Lexical attrition in Bengali-English polylinguals: an ERP study.*
- Lea Kaploun (Committee member, Speech-Language Pathology, Ph.D., 2008). *Acoustic analysis of voice/speech characteristics in nonsymptomatic gene carriers of Huntington's disease: does the speech/voice differ from normal controls?*
- Eun-Young Kwon (Examiner, Applied Linguistics, Ed.D., 2008). *Cross-linguistic influence and 'Universal' development patterns in child second language acquisition: a longitudinal study.*
- Vera-Jean Clark-Brown (Examiner, Organization & Leadership / Adult Learning & Leadership, Ed.D., 2008). *An exploration of the development of advocacy skills among leaders in the occupational therapy profession.*
- ***Jessica Galgano (Sponsor, Speech-Language Pathology, Ph.D. (Distinction), 2007). *Neural correlates of laryngeal movement associated with young and aging voice planning and production: ERP characteristics of the Voice-Related Cortical Potential.*
- Reem Khamis-Dakwar (Committee member, Speech-Language Pathology, Ph.D., 2007). *Syntactic and morphological development in an Arabic diglossic situation.*
- Bernadette Sibuma (Co-Sponsor, Instructional Media & Technology, Ed.D., 2007). *What makes pedagogical agents engaging? The effects of realism and emotion on facial perception in Human Computer Interactions.*
- Renee Fabus (Committee member, Speech-Language Pathology, Ph.D., 2006). *Evaluating the procedural deficit hypothesis: language and motor deficits in preschool children.*
- Portia Rose Johnson (Examiner, Health & Behavior Studies / Community Nutrition Education, Ed.D., 2004). *African-American women's characteristics, experiences of stress, and perceived racial discrimination upon entrance into a cable television weight loss intervention study.*

Post-doctoral fellows sponsored

- Lisa Levinson, Ph.D. (2018-present) – neural correlates of literacy development and disorders in adolescent and adult populations. Funded by Houghton-Mifflin Harcourt and the Roderick MacArthur Foundation.
- Chaille Maddox, Ph.D. (2012-2015) – cognitive processes in rule-based and model-based reasoning. Funded by National Institutes of Mental Health.
- Reem Khamis-Dakwar, Ph.D. (2007-2008) – neural correlates of diglossic language systems. Funded by Department of Biobehavioral Sciences, Teachers College.
- Angela Grice, Ph.D. (2005-2007) – narrative and discourse structures post head injury. Funded by the Teachers College, Columbia University Minority & Diversity Postdoctoral fellowships.

SERVICE TO THE COLLEGE AND PROFESSION

Committees

Institutional Review Board (2003-present); Chair 2012-present
Affirmative Action representative, Faculty search committees, Program in Neuroscience & Education (September 2013-May 2014)
Search Committee, Program in Speech-Language Pathology (2012-2013)
Faculty Executive Committee, Subcommittee for Academic Personnel (2010-2011)
Search Committee Chair, Program in Speech-Language Pathology (2009-2010)
Search Committee, Program in Movement Sciences (2007-2008)
Review Committee, Dean's Grant for Student Research (2005)
Review Committee, Walter Sindlinger Writing Award (2005)
Affirmative Action Representative, Faculty Search Committee, Program in Speech-Language Pathology (December 2004 – March 2005)
Program Committee for review of Doctoral Programs (2004 –2006)

Editorial Responsibilities

Ad hoc reviewer: Boston University Conference on Child Language Development
Butterworth-Heinemann Textbooks, Neuroscience Division
Hong Kong Research Grants Council – Linguistics study section
Human Brain Mapping
International Association for the Study of Child Language
Journal of Child Language
Journal of Developmental Cognitive Neuroscience
Journal of Neurolinguistics
Journal of Second Language Research
Lingua: An International Review of General Linguistics
Organization for Human Brain Mapping Annual Meeting
PLoS One

Invited Co-Editor (2014), Perspectives in Arabic Linguistics Volume XXVI: Special issue on Innovation and Diversity. Amsterdam: John Benjamins.

Conference and colloquium organization

Organizer, Spring Colloquium Series in Neuroscience & Education, Teachers College, Columbia University. Spring semester, 2016-present.

Co-Organizer, Arabic Linguistics Society Annual Meeting, Teachers College, Columbia University / Adelphi University, New York. March 2012.

Organized and chaired colloquium session, *Cognitive Neuroscience of Second Language Acquisition*, for the American Association of Applied Linguistics, Annual Meeting 2008, Washington D.C.

Organizer of the departmental research colloquium series, bringing speakers and researchers from the profession of speech-language pathology and allied clinical, academic and research disciplines into the department to present on their work. 2003-2010.

Organizer, Linguistics Association of Great Britain Annual Meeting, University College London, UK, May 2000.

Committee Member, UCL Linguistics *Conference on The Syntax-Semantics Interface*, London, UK, 2000.

Organizer, Departmental Program of Visiting Speakers and Research Seminars, University College London (Department of Phonetics and Linguistics), London, UK, 1998-2000.

Other professional activities

2020-present: Program Director, Neuroscience and Education Program, Department of Biobehavioral Sciences, Teachers College, Columbia University

2019-present: Invited Project Consultant: Save The Children, UNICEF, and the Whole of Syria Working Group Education in Emergencies project to develop educational assessments for children in Syrian refugee camps. Meetings in Amman, Jordan, in 2019 and 2020; and ongoing collaborative work.

2018-present: Invited member, Board of Directors, Safe Haven Medical Outreach. NGO based in Siem Reap, Cambodia; HQ in Los Angeles, CA.

2012-2013: American Speech-Language Hearing Association Continuing Education coordinator, Program in Communication Sciences and Disorders, Teachers College, Columbia University, New York, NY.

2012-2013: Program Director, Masters and Doctoral Programs in Communication Sciences and Disorders, Department of Biobehavioral Sciences, Teachers College, Columbia University

2010-2012: Assistant Program Coordinator, Masters Program in Speech-Language Pathology, Teachers College, Columbia University, New York, NY.

2010-2012: Advisory Board member, Safe Haven Medical Outreach Program for children with complex disabilities, Siem Reap, Cambodia.

Training and system development for electroencephalographic (EEG) monitoring, National Pediatric Hospital, Phnom Penh, with support from Nihon Kohden US, and Electrocaps International. December 2008, March 2009.

VOLUNTEER EXPERIENCE

2013-present: Volunteer Speech-Language Pathologist, Supervisor & Educator
Safe Haven Medical Outreach, Siem Reap, Cambodia

2004-2013: Speech-Language Pathology service provision and training in Cambodia

REFERENCES

Available on request.