

The Paediatric Language, Learning, and Speech (PedLLS) Outcomes Lab at the University of Toronto (UofT) is looking for PhD students to start in September 2023!

The newly transitioned PedLLS Lab at UofT (PI: K. N. Washington) is looking for PhD students within and across these research areas:

- (i) Language learning and use in the developing child (as characterized by brain connectivity -structural and functional, the role of procedural and declarative memory systems, and related brain networks) during spoken language processing and production in monolingual children with and without developmental language disorder.
- (ii) Production variation and code-switching/mixing (translanguaging) in language use in multilingual preschoolers to document learning and impairment, including the functional aspects of communication.
- (iii) Application of acoustic (durational) analyses and transcription-based metrics across adult and child models to characterize multilingual and monolingual preschoolers' developmental profiles, including consideration of contextual factors on developmental outcomes.
- (iv) Validation science and assessment psychometrics with a methodological lens for community-based participatory research and variation in platforms (e.g., remote/telepractice, in-person), research designs (e.g., cross-sectional, longitudinal), and analyses (e.g., qualitative, quantitative, mixed) as well as Clinical Trials.

The ideal candidate has:

- Masters and/or undergraduate degree in a relevant field (Anthropology, Cognitive Sciences, Cognitive Neurosciences, Communication Sciences & Disorders/Speech-Language Pathology, Education, Engineering, Psychology, Linguistics)
- Prior research experience within the fields listed above (through research assistantship and/or thesis work). Experience and/or interest in Caribbean English-speaking Creoles is a plus!

- Experience with and/or strong interest in applying neuroscientific, transcription-based [manual and automated] and acoustic methods (e.g., fMRI, Diffusion Imaging, Durational Analyses related to timing, rates, etc)
- Prior experience with statistical analyses (e.g., Matlab, MiniTab, R, SAS, SPSS) and a strong drive to develop excellent statistical analyses skills
- Excellent writing, communication, and presentation skills in English and motivation to further develop these skills
- An openness to learning about and experiencing new cultures and strives to practice clinical and research efforts with an attitude of cultural humility

The successful candidate will be:

- Located in Toronto, Ontario Canada and will operate within an interdisciplinary team of researchers and peers
- Completing a doctoral degree in Rehabilitation Sciences with a concentration in Speech-Language Pathology

Interested candidates should send their CVs, a one-page personal statement, and the names and contact information of two potential referees to Dr. KN Washington (karla.washington@utoronto.ca) by January 23, 2023.