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Dr. Braden is a speech pathologist and post-doctoral fellow. Her research primarily focuses on elucidating gene-brain-behaviour relationships, by refining the speech and language phenotypes of children with genetic and neural pathologies.

May 2021, Dr. Braden published her research paper “Severe speech impairment is a distinguishing feature of FOXP1-related disorder”

This study delineates the speech and language phenotype of a cohort of individuals with FOXP1-related disorder. Individuals were given standardized tests to examine speech and oral motor function, receptive and expressive language, non-verbal cognition, and adaptive behaviour. Clinical history and cognitive assessments were analysed together with speech and language findings. The interpretation of the results is FOXP1-related disorder is characterized by a complex speech and language phenotype with prominent dysarthria, broader motor planning and programming deficits, and linguistic-based phonological errors. Diagnosis of the speech phenotype associated with FOXP1-related dysfunction will inform early targeted therapy.

**Publications:**

[Severe speech impairment is a distinguishing feature of FOXP1-related disorder](#) 2021 May

Ruth O Braden, David J Amori, Simon E Fisher, Cristina Mei, Candace T Muers, Heather Mefford, Deepak Gill, Siddharth Srivastava, Lindsay C Swanson, Himanshu Goel, Ingrid E Scheffer, Angela T Morgan