

# CHILD HEALTH AND WELLNESS



## POWERKO NEURODEVELOPMENTAL CLINICAL ROUNDS

# NEURAL-IMMUNE CROSSTALK AND MICROBIOTA-GUT-AXIS: WHAT IS THEIR ROLE IN PERSISTENT TIC DISORDERS AND RELATED CONDITIONS?



### Dr. Davide Martino, MD, PhD

Pediatric Neurologist, Alberta Children's Hospital

This presentation will provide a critical overview of the role of immune hyper-reactivity, neuroinflammation and dysfunction in the microbiota-gut-brain axis in persistent tic disorders and related disorders (OCD, ADHD). It will also describe the background, rationale and objectives of cross-disorder research, currently ongoing in Calgary, and focusing on the nature and functional implications of gut dysbiosis in TS, OCD and ADHD.

Wednesday, November 3, 2021 from 12 – 1 pm

Register here: <https://bit.ly/3BWUCV0>



The [University of Calgary](#) is driving science and innovation to transform the health and well-being of children and families. Led by the [Alberta Children's Hospital Research Institute](#), top scientists across the campus are partnering with [Alberta Health Services](#), the [Alberta Children's Hospital Foundation](#), and our community to create a better future for children through research.