Paediatric Grand Rounds

WEDNESDAY FEBRUARY 7TH. 2018 | HOLLYWOOD THEATRE | 9AM – 10AM

Presenter:

Andreas Schulze, MD PhD FRCPC
Professor Paediatrics and Biochemistry
University of Toronto
Head, Metabolic Genetics
Medical Director, Newborn Screening Program
Senior Associate Scientist, Research Institute
The Hospital for Sick Children

Title

"Inborn Errors of Creatine Metabolism – It's not the muscle but the brain"

Andreas Schulze received his Medical Diploma and MD in 1987 and his PhD in 1992 from the University of Leipzig, Germany. He completed a residency in Physiological Biochemistry at the Institute of Biochemistry in Leipzig and a pediatric residency at the Ruprecht-Karls University in Heidelberg, Germany, and was board certified in Physiological Biochemistry in 1993 and in Pediatrics in 1999. In 2004, Dr. Schulze defended his Professorial Thesis (Habilitation) and received the Venia Legendi from the Ruprecht-Karls University in Heidelberg.

Dr. Schulze is a Professor in the Department of Paediatrics and the Department of Biochemistry at the University of Toronto. He leads the Metabolic Section in the Division of Clinical and Metabolic Genetics and is Director of the Newborn Screening Program at the Hospital for Sick Children. He is also a Senior Associate Scientist within Genetics & Genome Biology at the Research Institute.

Dr. Schulze worked for more than 15 years in the Metabolic Center of the University Children's Hospital in Heidelberg where he developed an early interest on Creatine Deficiency Syndromes due to his discovery of a first patient with an inborn error in the metabolism of Creatine. He was the first to describe the full biochemical spectrum of GAMT deficiency and has pioneered innovative therapies for the disease since then. In 2007, he joined the Hospital for Sick Children where he established a research group with the focus on:

- Creatine Deficiency Syndromes
- Regulation of Creatine Synthesis
- Pathophysiology of Guanidino Compounds
- Small Molecule Therapies

Learning Objectives
To raise awareness of Inborn Errors of Creatine Metabolism, a group of rare but treatable inherited neurodevelopmental disorders
To share the experience of exploring a new disease
To reflect on the approach of clinically driven basic research (bed-to-bench round-trip)

WEBCAST: http://webcast.otn.ca/mywebcast?id=74435401