This week’s seminar is virtual only. The following link can be used for the live stream. Authentication is not required. Zoom Link: https://purdue-edu.zoom.us/j/2714741159

“MRS in Pediatric Migraine and Child Development: GABA and Macromolecule Considerations”

Ashley D. Harris, PhD
Assistant Professor
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Tuesday, March 16, 2021
4:30-5:30 PM Eastern Time (US and Canada)

Abstract: In this talk, Dr. Harris will present some recent magnetic resonance spectroscopy results from a study of pediatric migraine. These results suggest that the neurotransmitters GABA (inhibitory) and glutamate (excitatory) are related to migraine severity and presentation. She will also highlight the importance of considering effects of macromolecules that typically influence GABA-MRS measurements but are often disregarded, not only for migraine but more broadly across conditions and child development.

Dr. Ashley Harris is an Assistant Professor in the Department of Radiology, a member of the Hotchkiss Brain Institute, and a member of the Child and Adolescent Imaging Research Program within the Alberta Children’s Hospital Research Institute. With a background in Biomedical Engineering, she applies neuroimaging to understand brain physiology and pathophysiology. Dr. Harris has specific expertise in MR Spectroscopy and has research interests in brain injury, chronic pain, development and developmental disorders and aging.

Host: Ulrike Dydak