

Jennifer Gelinas, MD, PhD is an assistant professor of neurology at Columbia University Medical Center. Dr. Gelinas obtained her medical doctorate and doctorate degrees at the University of Alberta, Canada. She subsequently completed pediatric neurology residency at the University of British Columbia, followed by an epilepsy fellowship at New York University Langone Medical Center. In her current research, Dr. Gelinas is focused on understanding how epileptic activity disrupts the proper development and function of neural networks. *In vivo* neurophysiology with advanced neural interface devices, behavioral memory tasks, responsive stimulation of neural networks, and neurocomputational methods are among the techniques used in her laboratory to investigate neural network dysfunction in epilepsy. The overall goal of her research is to identify novel biomarkers and systems level treatments for epileptic disorders, especially those affecting neonates and children.