

NEUROSCIENCE

Trainee Meet & Greet

VISITING SPEAKER



Monday, March 20th, 2023
12:00 PM - 1:00 PM

Kleysen Institute for Ad-
vanced Medicine

Room SR 415

Lunch served

DR. ANNIE VOGEL CIERNIA

Assistant Professor, University of British Columbia, Department of Biochemistry and Molecular Biology, Djavad Mowafaghian Centre for Brain Health

Dr. Ciernia has a multi-disciplinary background in neurobiology and behavioral neuroscience as well as epigenetics, molecular biology and bioinformatics. She completed her PhD work in Dr. Marcelo Wood's laboratory at UC Irvine with a focus on examining the role of a neuron-specific nucleosome remodeling in regulating transcription and long-term memory. Her postdoctoral work with Dr. Janine LaSalle at UC Davis focused on understanding how DNA methylation and chromatin accessibility impact RNA expression in Rett syndrome and other mouse models of Autism Spectrum Disorders. Dr. Ciernia's current research combines experimental and computational approaches to understand how neuro-immune interactions are impacted by genetic and environmental risk factors for neurodevelopmental disorders. Her lab's goal is to discover how altered patterns of gene expression, epigenomic regulatory pathways and cellular functions in microglia and neurons drive brain and behaviour impairments in models of disease. Findings from her research will increase our understanding of the basic mechanisms regulating gene expression in the brain and form the basis for future development of novel therapeutics for neurodevelopmental disorders.

ALL TRAINEES WELCOME