



Michael Amlung, PhD



HEALTH SCIENCES
Psychiatry & Behavioural
Neurosciences

Research Work

Dr. Amlung's research seeks to understand the neurobiological and behavioural correlates of pathological decision-making and motivation, particularly in the context of substance abuse and other unhealthy behaviors. Much of his work draws on concepts from behavioral and neuro-economics to examine impaired self-control and motivation to use alcohol and other drugs in individuals with addictive disorders. His research involves a variety of approaches, including functional neuroimaging, alcohol cue exposures, and self-administration paradigms. Dr. Amlung leads the behavioral sciences core of the Peter Boris Centre for Addictions Research, where he is responsible for ensuring that the centre's ongoing projects utilize cutting edge techniques and methods in behavioral research. He also actively collaborates with the Concurrent Disorders Program and the Forensic Psychiatry Program at SJHH.

Engagement Opportunities

Introductory Level

- Second reviewer on systematic review or meta-analysis (20 hrs).
- Assist with data entry (20 hrs).
- Perform literature searches and accessing of journal articles (10 hrs).

Intermediate Level

- Extraction of data from individual studies for meta-analyses/systematic reviews.
- Assist with neurostimulation experiments.

Advanced Level

- No opportunities at present due to full staff of graduate students and postdoctoral fellows.

If you are interested in learning more, please leave your contact information with the Research Office and/or contact Michael Amlung (amlungm@mcmaster.ca).