



Gustavo Turecki

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Day 1- 25.6, Session II- 15:00-16:30

Molecular adaptations to early-life adversity: Insight from human postmortem brain studies

Abstract:

Suicide is a complex behaviour that frequently associates with a history of early-life adversity. Dr. Turecki's talk will discuss how adversity during childhood may differentially regulate molecular processes in the brain, and increase lifetime risk of suicide. He will present data from his laboratory suggesting that specific biological pathways are regulated by the early-life environment through diverse epigenetic processes, which may contribute to suicide risk by differentially adjusting behavioural trait and emotional development, as well as influencing cognitive function. A conceptual framework to understand suicide risk among individuals exposed to early-life adversity will be presented.