

Department of Pharmacology

2023 - 2024 Seminar Series



“Examining hippocampal circuits associated with schizophrenia”

Schizophrenia is characterized by positive (e.g. hallucinations and delusions), negative (e.g. anhedonia and social withdrawal), and cognitive (e.g. working memory deficits and cognitive inflexibility) symptoms. Currently available antipsychotics effectively treat positive symptoms but have little impact on negative and cognitive symptoms. Our research aims to identify the neurobiological mechanisms underlying negative and cognitive symptoms to find better treatment strategies. In today’s talk, I will describe our research examining the contribution of discrete hippocampal cell populations to negative and cognitive symptoms. In addition, I will describe new work that examines the structure and function of hippocampal circuits implicated in schizophrenia.

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