

Dr. David Kupferschmidt

Dr. David Kupferschmidt earned his Ph.D. in Psychology from the University of Toronto studying the neurochemistry of stress-induced relapse to drug seeking in rodents. During his postdoctoral fellowship at the National Institute on Alcohol Abuse and Alcoholism, Dr. Kupferschmidt combined neurophysiology with optical, viral, and transgenic mouse tools to assess synaptic and circuit mechanisms of skill and habit learning. In 2017, Dr. Kupferschmidt joined the National Institute of Neurological Disorders and Stroke as the lead scientist in the lab of NIMH Director, Dr. Joshua A. Gordon. In collaboration with Dr. Gordon, Dr. Kupferschmidt guides research into the neural circuit basis of working memory, and its dysfunction in mouse models of genetic susceptibility to neuropsychiatric disease, particularly schizophrenia.