



Gregory F. Corder, PhD

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*Harnessing Endogenous Neuromodulation in Brain Nociceptive Circuits*

Gregory Corder is an Assistant Professor in the Department of Psychiatry and Department of Neuroscience in the Perelman School of Medicine at the University of Pennsylvania. His lab aims to decipher the neural basis of how the brain generates the perception of pain, while discovering the pathological changes within these brain networks promoting the transition to chronic pain and drug abuse. He received his Ph.D. from the University of Kentucky investigating the endogenous opioid pain-modulation system, and then completed postdoctoral training at Stanford University using brain imaging to identify a neural circuit in the amygdala for the emotional component of pain. His lab at Penn continues to develop multiple optical and genetic techniques to visualize and control nociceptive brain circuits, with the goal of advancing translational therapeutics that reduce the mental health disorders associated with chronic pain and lessen the reliance on prescription opioids. He is supported by the NIH DP2 Director's New Innovator Award and the Rita Allen Foundation - Award in Pain, among others.