

Postdoctoral Fellow position available on a NIDA T32 training grant to pursue collaborative studies in the laboratories of Drs. Jacqueline McGinty and Michael Scofield with members of the NIH-funded Center for Opioid and Cocaine Addiction Research in the Dept of Neuroscience at the Medical University of South Carolina. The primary goal of the studies is to characterize the effects of drug (cocaine, heroin) self-administration and seeking on astrocyte-synaptic interactions in the prefrontal cortex of rodents using viral –mediated DREADD expression, amperometry, and high resolution dendritic spine imaging. The next stage of research is to determine if normalizing the adaptations in plasticity-related proteins caused by addictive drugs during abstinence can prevent subsequent relapse.

Candidates must have completed a doctoral degree in biochemistry, biology, psychology, neuroscience, or a related field and must be eligible for appointment to an NIH supported training grant. Research experience related to in vivo neuropsychiatric rodent models preferred. Interested individuals should send a brief letter describing research interests, laboratory of interest, and career goals with a copy of their CV and contact information for three references to either Dr. Jacqueline McGinty (mcginty@musc.edu) or Dr. Michael Scofield (scofield@musc.edu).

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