**Postdoctoral Fellow Positions-Transcriptional and Epigenetic Mechanisms of Chronic pain**

Postdoctoral positions are available in the Zachariou lab at Mount Sinai School of Medicine, Department of Neuroscience, in New York. 1) Studies of epigenetic mechanisms of chronic pain. The project involves the use of advanced transgenic mouse models, biochemical and genomic methods, for the study of transcriptional and epigenetic adaptations associated with prolonged neuropathic pain states, and the evaluation of novel treatment targets in cell culture and mouse models. Experience in molecular biology/biochemistry is highly preferred. Other desired skills include experience in mouse behavior, small animal surgery or electrophysiology. 2) Targeting HDAC proteins for the treatment of pain/addiction comorbidities. Experience in rodent behavioral analysis, stereotaxic surgery, biochemistry is required for this project. 3) Studies on G protein signaling mechanisms of neuropathic pain. The project focuses on the regional and sex-specific role G protein alpha subunit complexes and downstream pathways in the maintenance of chronic pain and in responses to opioid analgesics. Experience in rodent pain models, cell culture, immunohistochemistry, molecular biology or electrophysiology is highly desired.

We are seeking highly motivated scientists who are interested in pain mechanisms to join our collaborative, diverse and multidisciplinary team. The Zachariou lab is committed to maintain a diverse and inclusive environment. Interested Individuals should send a short letter of interest, a CV and include contact information for at least 3 references to: venetia.zachariou@mssm.edu

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