



Alexis Bavencoffe, PhD
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Integrative Biology and Pharmacology
*Unexpected Contributions of the Cytokine MIF to Persistent
Nociceptor Hyperactivity and Chronic Pain*

Dr. Alexis Bavencoffe obtained his License, Master's and PhD degrees from the University of Sciences and Technologies of Lille (France). Developing a strong interest in the roles of ion channels in the generation and maintenance of pain, Alexis came for his postdoctoral training to the Department of Integrative Biology and Pharmacology at McGovern Medical School in 2010. He worked in the Michael Zhu lab and thereafter joined Carmen Dessauer's and Terry Walters' labs where he became instructor and then Research Assistant Professor.

Alexis's research employs electrophysiological (patch-clamp) and behavioral approaches to define intracellular signaling pathways that induce and maintain the pain-related spontaneous activity in nociceptors that drives neuropathic pain after spinal cord injury or peripheral nerve injury. These efforts have led to 16 scientific papers, 3 book chapters and over 30 communications at national and international meetings.