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Pro-Nociceptive Role of IgG After Peripheral Nerve Injury

Dr. Fiore is a Research Scientist at UT MD Anderson in the Grace laboratory with a research background in research in the fields of Neuroscience and Neuroimmunology. He completed his PhD at University of Sydney in the fields of neuroimmunology and neuropathic pain. The research utilized rodent models of neuropathic pain and neuropathy to identify individual differences in behavior and corresponding neuro-immune signatures at multiple levels of the nervous system. His PhD research also expanded into characterizing immune system dysfunction in chronic pain patients. He completed postdoctoral training in the Neuropathic Pain Research group at University of New South Wales (UNSW). The research focused on identifying unique sex-specific microglial signatures and effects of immunomodulatory treatments in mouse models of peripheral nerve injury and chemotherapy-induced peripheral neuropathy. He is currently investigating the role of B cells in the development neuropathic pain, with a particular focus on the pro-nociceptive role of IgG after peripheral nerve injury.