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Pathology-Activated Prodrugs Targeting Nrf2 to Treat Neuropathic Pain

Dr. Rivera-Escalera is originally from Puerto Rico and obtained her PhD in Neuroscience from the University of Rochester in 2015 where she studied the role of neuroinflammation and microglial phagocytosis in Alzheimer's disease pathogenesis. She then completed postdoctoral training at both the University of Virginia and the University of Rochester in the fields of neuroimmunology and immunology, with a focus on investigating the function of tissue-resident macrophages in acute and chronic inflammation, cancer immunotherapy resistance, hematologic malignancies, aging, and demyelinating disease. She is currently a Research Scientist in the Grace Lab where she is investigating the NRF2-KEAP1 pathway in modulating oxidative stress in neuropathic pain and cancer-related chronic pain.