

Gregory Scherrer, Pharm.D., Ph.D.

Dr. Scherrer is an Assistant Professor at Stanford University, in the Departments of Anesthesiology, Perioperative and Pain Medicine, of Neurosurgery, of Molecular and Cellular Physiology, and is a member of the Stanford Neurosciences Institute and Bio-X Interdisciplinary Biosciences Institute. Since 2017, Dr. Scherrer is a New York Stem Cell Foundation – Robertson Investigator in Neurosciences. Dr. Scherrer received his PhD in Cellular and Molecular Biology from the University of Strasbourg, France, in 2005. He then completed postdoctoral trainings at UCSF and Columbia University, studying the neurobiology of pain, and the physiology of the spinal cord dorsal horn, respectively. In 2012, Dr. Scherrer joined the faculty at Stanford University School of Medicine. His laboratory investigates the organization of the neural circuits and the molecular mechanisms underlying the sensory and affective components of pain experience. He investigates the mechanisms of action of opioids in these circuits, combining mouse genetics, neuroanatomy, electrophysiology, opto/chemogenetics, transcriptomics, with in vivo imaging and behavioral analysis, to identify novel approaches to produce analgesia without side effects such as addiction or respiratory depression.