

**Amanda H. Klein, Ph.D., M.S.**

Dr. Klein is an Assistant Professor in the Department of Pharmacy Practice and Pharmaceutical Sciences in the College of Pharmacy at the University of Minnesota Duluth. She received her B.S. and M.S. at the University of Minnesota and her Ph.D. in Molecular, Cellular, and Integrative Physiology from the University of California Davis. She then obtained an NIH postdoctoral fellowship to work in the department of Neurosurgery at Johns Hopkins School of Medicine. Dr. Klein is currently involved in the PharmD curriculum at the University of Minnesota, teaching principles of pharmacology and neuropharmacology as well as various courses in several graduate programs. Dr. Klein's research foci involves several research projects, including a study downstream signaling of opioid receptors, including potassium channels, studies of the mechanisms of opioid tolerance and withdrawal in the peripheral nervous system, and the role of opioid signaling during diabetic neuropathy. She is a member of several professional societies, including the Society for Neuroscience, the International Association for the Study of Pain, and the American Pain Society. Currently Dr. Klein serves as the vice-chair of the Early Career Advisory Committee for the American Pain Society. Dr. Klein has authored multiple publications in the fields of chemesthesis, neurophysiology of pain, and opioid receptors.