

June 5	Douglas Ririe, MD, PhD	Clinical and basic science changes and perception: The postnatal nociceptive sensory experience and its role in Development in human and rat
June 12	Dani Boada, PhD	You can't cure what you don't understand
June 26	James C. Eisenach, MD	Can we bring multi-centered randomized controlled trials to the laboratory to save us from irreproducible results?
July 10	Yusuke Shiozawa, MD, PhD	The roles of a neuropeptide CGRP in bone metastatic progression
July 17	Jeff Martin, PhD	Pain and behavior – Who's driving?
July 31	Young Gwak, PhD	The roles of ventral tegmental area (VTA) GABA on neuropathic pain following spinal cord injury
August 7	Meredith Adams, MD	P-A-I-N is a four letter word
August 21	Dani Boada, PhD	The Orthodox vs Unorthodox Perspectives About Tactile Allodynia
August 28	Holden Ko, PhD	Bifunctional NOP/MOP receptor agonists as safe, non-addictive analgesics in primates
September 18	Woongmo Kim, PhD	Oxytocin Receptors in the Spinal Cord & DRG
September 25	Alfonso Romero-Sandoval, MD, PhD	Peripheral neuroimmune communication: How substance P conveys pain and its resolution
October 2	Adrienne Adler, MD	Effects of Mindfulness Meditation on Pain and Heart Rate Variability
October 9	Jeff Martin, PhD	Role of Descending Noradrenergic Modulation in the Effects of Nerve Injury on Attention
October 16	Abigail Alvarado-Vazquez	Role of CD163 in the inflammatory and wound healing capabilities of macrophages from diabetic patients
October 23	Yusuke Shiozawa, MD, PhD	AAVrh10 is a useful gene transfer vector for sensory nerves that innervate bone.
October 30	Dani Boada, PhD	Neuropeptides, hypersensitivity and hyperexcitability.
November 6	Fadel Zeidan, PhD	Mechanisms supporting the cognitive regulation of pain

November 13	Chris Peters, PhD	Can stopping nerves stop cancer?
November 27	Holden Ko, PhD	BU10038 as a safe opioid analgesic with fewer side effects after systemic and intrathecal administration in primates
December 4	Alfonso Romero-Sandoval, MD, PhD	Optimization of rAAVs for retrograde access to projection neurons in the rat brain
December 11	Young Gwak	"The evaluation of norepinephrine and dopamine shifts in the central nervous system on repeated social defeat rats"
December 18	James C. Eisenach, MD	