

LOGAN UNIVERSITY **LEADERS** *Made*

Chiropractic Grand Rounds

**Friday, September 29, 2023 @ 11:30 am
Classroom G-134**

**“Nociplastic Pain: Neurobiological
Determinants and Integrative
Treatment”**



**Presented by:
Richard E. Harris, PhD**

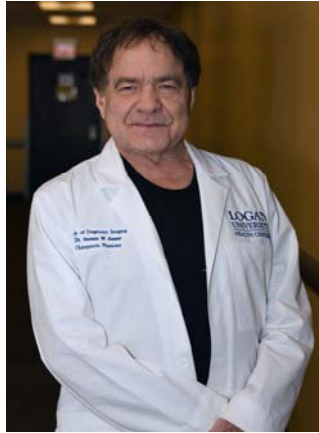
**Professor
University of California-Irvine
School of Medicine
Department of Anesthesiology and
Perioperative Care**

Richard E. Harris, PhD



Richard E. Harris, PhD, is a Professor in the Department of Anesthesiology and Perioperative Care at the University of California-Irvine School of Medicine. His background is in basic science and clinical research in alternative medicine. He received his B.S. degree in Genetics from Purdue University in 1992 and his Ph. D. in Molecular and Cell Biology from UC Berkeley in 1997. Following his graduate work, he completed a postdoctoral fellowship at NIH. He is a graduate of the Maryland Institute of Traditional Chinese Medicine and has received an MS degree in Clinical Research Design and Statistical Analysis at the University of Michigan. Dr. Harris is currently investigating mechanisms of acupuncture and acupressure in the treatment of chronic pain and fatigue conditions. His recent investigations have focused on the role of brain neurotransmitters in acupuncture analgesia and chronic pain. He is a member of the American Pain Society and a past co-President for the Society for Acupuncture Research. He serves as Associate Editor of and Scientific Advisor for the Journal of Acupuncture and Meridian Studies, and is an ad hoc reviewer for several other scientific publications.

Norman W. Kettner, DC, DACBR, FICC



Norman W Kettner, DC, DACBR DCBCN FICC is the Dean of Research and Emeritus Professor of the Department of Radiology at Logan University. Dr. Kettner has been a faculty member since 1980 and was department chair for 35 years. In addition to training and expertise as a board-certified radiologist and neurologist, Dr. Kettner has developed experience in the tools of functional neuroimaging including fMRI, MEG and PET. In 2001, Dr. Kettner formed a research collaboration with the Athinoula A Martinos Center for Biomedical Imaging of Massachusetts General Hospital, the largest teaching hospital of Harvard Medical School. The research objectives were to investigate the brain's responses to acupuncture in patients with chronic pain and carpal tunnel syndrome. Recently, spinal manipulation in patients with cLBP has been investigated using advanced functional neuroimaging. This collaboration has yielded numerous high impact factor publications in top-ranked radiology, neurology and pain research journals including *NeuroImage*, *Human Brain Mapping*, *PAIN* and *BRAIN*. Dr. Kettner has authored over one-hundred and fifty-seven publications and eleven textbook chapters.

Chiropractic Grand Rounds

Past Speakers

September 30, 2022 James M. Cox, DC, DACBR, FICC,
HonDLitt, FIANM(H)

October 22, 2021 Peter Wayne, PhD

November 1, 2019 James M. Whedon, DC

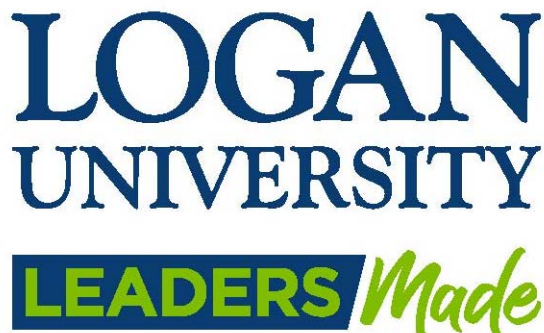
August 2, 2019 Kenneth A. Weber II, DC, PhD

October 20, 2018 Jay P. Shah, MD

July 20, 2018 Roberta Sclocco, PhD

February 9, 2018 Robert R. Edwards, PhD

March 1, 2017 Michael Schneider, DC, PhD



1851 Schoettler Road Chesterfield, MO 63017
www.logan.edu