



**LOGAN
UNIVERSITY**

1851 Schoettler Road
Chesterfield, MO
www.Logan.edu

Chiropractic Grand Rounds

“Chronic Musculoskeletal Pain: Emerging Mechanisms, Central Sensitization, Clinical Assessment, and Evidence-Informed Chiropractic Management”

Presented by:

Jay P. Shah, MD

Rehabilitation Medicine Department

NIH Clinical Center

John Z. Srbely, DC, PhD

Department of Human Health Sciences

University of Guelph

Friday, July 10, 2026, 10:30 AM—1:30 PM

Classroom G134

Jay P. Shah, MD



Jay P. Shah, MD is a physiatrist and clinical investigator in Bethesda, Maryland. His interests include the pathophysiology of myofascial pain and the integration of physical medicine techniques with promising complementary approaches in the management of neuro-musculoskeletal pain and dysfunction. He also completed the one-year UCLA Medical Acupuncture course and a two-year Bravewell Fellowship at the Arizona Center for Integrative Medicine.

Jay is a well-known lecturer on mechanisms of chronic pain, myofascial pain, dry needling techniques and other related topics. He and his co-investigators have utilized novel microanalytical and ultrasound imaging techniques that have uncovered the unique biochemical milieu and viscoelastic properties of myofascial trigger points and surrounding soft tissue.

He has given many invited lectures and hands-on workshops nationally and internationally for physicians, chiropractors, physiotherapists, osteopaths, dentists, and acupuncturists among other professional groups. His presentations integrate the fascinating knowledge emerging from the basic and clinical pain sciences in order to improve evaluation and management approaches to musculoskeletal pain and dysfunction.

Jay was selected by the American Academy of Pain Management as the 2010 recipient of the Janet Travell Clinical Pain Management Award for excellence in clinical care and by the National Association of Myofascial Trigger Point Therapists as the 2012 recipient of the David G. Simons Award for excellence in clinical research.

John Z. Srbely, DC, PhD



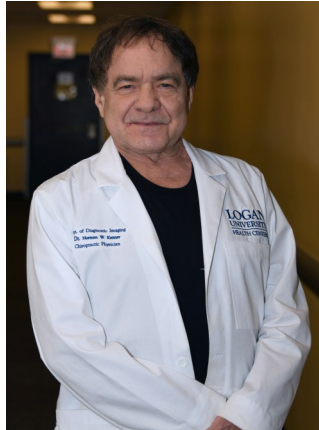
Dr. John Srbely holds an Honours Bachelor of Science in Biochemistry from Laurentian University, a Doctor of Chiropractic degree from the Canadian Memorial Chiropractic College, and a Ph.D. in Biomechanics and Neurophysiology from the University of Guelph. He is a clinician and scientist specializing in clinical biomechanics, neurophysiology, and chronic musculoskeletal pain.

Dr. Srbely's interest in chronic pain developed through more than two decades of clinical practice as a primary health care provider in chiropractic and acupuncture, beginning in 1992. His research program integrates basic and clinical sciences to investigate the mechanisms underlying chronic musculoskeletal pain, with a particular focus on myofascial pain and myofascial trigger points using both animal and human models.

A core theme of his research is central sensitization and its role in chronic pain, joint dysfunction, and musculoskeletal pathomechanics in degenerative conditions such as osteoarthritis and fibromyalgia. His work also seeks to advance diagnostic and assessment strategies, including imaging, biomarkers, quantitative sensory testing, and electromyography, to support effective clinical management of chronic pain.

NORMAN W. KETTNER, DC, DACBR, DCBCN, FICC

EVENT HOST & MODERATOR



Norman W Kettner, DC, DACBR DCBCN FICC, 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 seventy-eight publications and sixteen textbook chapters.

CHIROPRACTIC GRAND ROUNDS

PAST SPEAKERS

April 4, 2025	Thomas E. Hyde, DC, DACBSP, CKTP, FRCCS (Hon), FICC Robin A. Hunter, DC, ICSSD, FIAMA, FICC
March 1, 2024	David A. Vincent, DC Robert J. Trager, DC
Sept.29, 2023	Richard E. Harris, PhD
Sept. 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



LOGAN
UNIVERSITY

1851 Schoettler Road
Chesterfield, MO
www.logan.edu