

# 16<sup>th</sup> Annual Joseph W. Howe Oration in Diagnostic Imaging



**“From brain to joint: imaging pain-related  
inflammation in humans using integrated  
PET/MRI”**

**Presented By:**

**Marco Loggia, PhD**

**Associate Professor of Radiology, Harvard Medical School**

**Co-Director, Center for Integrative Pain NeuroImaging  
(CIPNI)**

**Faculty, MGH/HST Athinoula A. Martinos Center for  
Biomedical Imaging**

**Friday, June 2, 2023**

**11:30 a.m.**

**Logan University**

**Chesterfield, Missouri**

**Classroom G-134**

## **JOSEPH W. HOWE, DC, DACBR, Fellow, ACCR**



**May 27, 1930 - October 21, 2022**

There are few members of the American Chiropractic College of Radiology whose careers have been as influential as that of Joseph W. Howe, DC, DACBR. For more than six decades, Dr. Howe, has distinguished himself by his contributions as a clinician, radiologist, educator, researcher, and mentor in the field of modern chiropractic radiology. His passion for academic excellence, critical scientific insight and professional advancement has left an indelible impact on the chiropractic profession. His influence is felt daily by the numerous residents, whom he has trained, and who themselves have become inspirational leaders in the chiropractic profession.

Dr. Joseph W. Howe has given the American Chiropractic College of Radiology and the chiropractic profession a legacy of unparalleled achievement as a role model and mentor for several generations of chiropractic radiologists. His name will always be associated with the incredible progress of chiropractic radiology in the 20<sup>th</sup> century. The Joseph W. Howe Oration in Diagnostic Imaging is designed to honor his extensive contributions to and achievements in the education, research and practice of chiropractic radiology.

Dr. Joseph William Howe, age 92, passed away on Friday, October 21, 2022.

## 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 publications and eleven textbook chapters.

## Marco Loggia, PhD



In 2008 Dr. Loggia was awarded a Ph.D. in Neurological Sciences by McGill University in Montreal, QC (Canada). During his graduate studies he had the opportunity to work at the Alan Edwards Centre for Research on Pain (formerly McGill Centre for Research on Pain), under the mentorship of its first director, Prof. M. Catherine Bushnell, a pioneer in the field of human pain imaging. Between 2008 and 2013, Dr. Loggia held the position of Research Fellow at Harvard Medical School, and worked in the laboratories of Drs. Robert R. Edwards and Ajay D. Wasan at Brigham and Women's Hospital, and Drs. Randy L. Gollub and Vitaly Napadow at Massachusetts General Hospital. As of 2013 he is faculty at Harvard Medical School and Massachusetts General Hospital.

Dr. Loggia is the recipient of the 2013 Early Career Award from the International Association for the Study of Pain (IASP), the 2016 IASP Ulf Lindblom Young Investigator Award for Clinical Science, and the Primary Investigator of several federal and foundation grants, including from the National Institute of Neurological Disorders and Stroke (NINDS/NIH) and the Department of Defense (DOD).

# Joseph W. Howe

## Oration in Diagnostic Imaging

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### Past Speakers

- July 15, 2022 Jeffrey King, DC, MS
- July 30, 2021 Matthew Gornet, MD
- Oct. 20, 2020 Vitaly Napadow, PhD, LicAc
- May 30, 2019 Michael S. Montlione, MD, DACR, DC, DACBR
- May 31, 2018 Gary M. Guebert, DC, DACBR
- May 25, 2017 Terry R. Yochum, DC, DACBR, Fellow, ACCR, FICC  
James M. Cox, I, DC, DACBR, FICC  
Norman W. Kettner, DC, DACBR, FICC, DCBCN
- May 26, 2016 Joseph W. Howe, DC, DACBR, Fellow, ACCR
- May 28, 2015 Victor Tong, DC, DACBR
- May 29, 2014 Lawrence H. Wyatt, DC, DACBR, FICC
- May 30, 2013 Anita L. Manne, DC, DACBR

# Joseph W. Howe

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### Past Speakers

- May 31, 2012    John A. M. Taylor, DC, DACBR
- May 26, 2011    Victor Tong, DC, DACBR
- April 8, 2010    Sharon A. Jaeger, DC, DACBR
- April 2, 2009    Reed Philips, DC, DACBR, PhD
- April 3, 2008    Terry R. Yochum, DC, DACBR, Fellow, ACCR, FICC  
James M. Cox, I, DC, DACBR, FICC  
Norman W. Kettner, DC, DACBR, FICC, DCBCN

LOGAN UNIVERSITY

**LEADERS**

*Made*

