



MARQUETTE
UNIVERSITY

HELEN WAY KLINGLER
COLLEGE OF ARTS AND SCIENCES

Department of Mathematics, Statistics and Computer Science

COLLOQUIUM ANNOUNCEMENT

Neuroimaging of Brain and Spinal Cord at Ultra-High Magnetic Fields

Robert Barry

Martinos Center for Biomedical Imaging
Harvard University

3:30 PM, Thursday, October 12, 2017

Cudahy Hall, Room 401

Abstract

Magnetic resonance imaging of the human brain and spinal cord at an ultra-high magnetic field of 7 Tesla offers new opportunities to visualize structures with high spatial resolution and enhanced conspicuity, and to detect brain function and networks with greater sensitivity. This talk will highlight some of the technical challenges and recent advancements in functional imaging of the human brain and spinal cord at 7 Tesla, and discuss how this research may translate to the clinic to facilitate a more complete understanding of biological processes and etiologies of central nervous system diseases such as multiple sclerosis and spinal cord injury.

1313 W. Wisconsin Avenue, Cudahy Hall, Room 412, Milwaukee, WI 53201-1881

For further information: see <http://www.marquette.edu/mscs/resources-colloquium.shtml>

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*POST COLLOQUIUM REFRESHMENTS SERVED IN
CUDAHY HALL, ROOM 342 AT 4:30 P.M.*