# UCLA Engineering
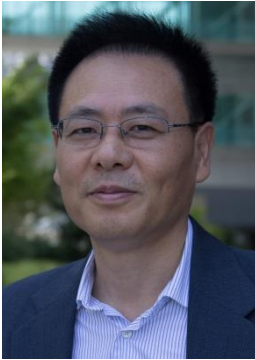### HENRY SAMUELI SCHOOL OF ENGINEERING AND APPLIED SCIENCE
# BIOENGINEERING

PRESENTS
**Magnetic Resonance Fingerprinting of Coronary Artery Disease**

WEDNESDAY, NOVEMBER 9, 2016
1:00 – 2:00 PM
2101 ENGINEERING V

## Debiao Li, Ph.D.
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Director, Biomedical Imaging Research Institute
Professor, Departments of Medicine and Bioengineering

### ABSTRACT:

Coronary artery disease remains the leading cause of death in the world. Magnetic resonance imaging (MRI) offers the ability to provide a comprehensive and non-invasive examination of coronary artery disease. In this presentation, recent techniques and clinical studies using MRI to characterize coronary artery disease will be reviewed, including those to assess coronary artery stenosis, coronary artery stenosis causing ischemia, risky coronary artery plaque, and myocardial ischemia. These techniques may lead to more accurate diagnosis and precise and individualized management of CAD.

### BIOGRAPHY:

**Dr. Debiao Li**, PhD received his PhD in Biomedical Engineering at the University of Virginia in 1992. He was an Assistant Professor of Radiology at Washington University in St. Louis (1993-1998), Associate Professor (1998-2004), Professor (2004-2010) of Radiology and Biomedical Engineering, and Director of Cardiovascular MR Research (2004-2010) at Northwestern University, Chicago. Since 2010, Dr. Li has been the Inaugural Director of the Biomedical Imaging Research Institute at Cedars-Sinai Medical Center, Los Angeles, Professor of Medicine and Bioengineering at the University of California, Los Angeles. Dr. Li has published more than 250 research articles and 19 book chapters. He has received more than $30M of research funding from National Institutes of Health. Dr. Li served as President of the International Society for Magnetic Resonance in Medicine (ISMRM) (2011-2012), the premier professional society that promotes innovation, development, and application of magnetic resonance techniques in medicine and biology throughout the world. He also served as President of the Society for Magnetic Resonance Angiography (2006-2007), President of the Overseas Chinese Society for MR in Medicine (OCSMRM) (2006-2008), and member of Board of Trustees, Society for Cardiovascular Magnetic Resonance (SCMR) (2009-2012). He is Associate Editor of Magnetic Resonance in Medicine (MRM) and the Journal of Magnetic Resonance Imaging (JMRI). He is a fellow of ISMRM and American Institute for Medical and Biological Engineering. He is widely recognized as a leader in cardiovascular MR research, including coronary artery imaging, atherosclerosis imaging, myocardial blood flow measurement, and non-contrast MR angiography.