Current and Former Members

**USC Cardiology**
Gerald Pohost, MD  
Founding Year 2001
Hossein Bahrami, MD, PhD  
Michael Fong, MD  
John Forder, PhD  
Parveen Garg, MD  
Hee-Won Kim, PhD  
Ramdas Pai, MD  
Jerold Shinbane, MD  
Padmini Varadarajan, MD  
Andrew Yoon, MD

**USC Radiology**
Patrick Colletti, MD  
Founding Year 2000
Bonnie Garon, MD  
Cameron Hassani, MD  
Chris Lee, MD  
Farhood Saremi, MD  
Frank Shelloch, PhD  
Jabi Shriki, MD  
Alison Wilcox, MD

**Children’s Hospital LA**
John Wood MD, PhD  
Founding Year 1999
Andrew Cheng, MD  
Jon Detterich, MD  
Eamon Doyle  
Adam Bush

**USC Engineering**
Krishna Nayak, PhD  
Founding Year 2003
Joao Carvalho, PhD  
Hung Phi Do  
Houchun “Harry” Hu, PhD  
Terrence Jao  
Ahsan Javed  
Yoon-chul Kim, PhD  
Hsu-Lei Lee, PhD  
Sajan Lingala, PhD  
Chia-ying Liu, PhD  
Mahender Makhijani, PhD  
Xin Miao  
Jon-Fredrik Nielsen, PhD  
Taehoon Shin, PhD  
Travis Smith, PhD  
Kyunghyun Sung, PhD  
Zungho Zun, PhD

Research Areas

- Arterial Spin Labeled CMR  
- Compressed Sensing  
- CMR Safety  
- Calibration for CMR at 3T  
- 3D First-Pass CMR  
- Perfusion  
- Real-time CMR  
- Rapid CMR Flow Imaging  
- Spiral Coronary CMR

- Hemochromatosis/Iron Overload States Imaging in Patients with Cardiac Devices  
- Pulmonary Hypertension  
- Congenital Heart Disease  
- Carotid Plaque Imaging  
- CMR versus CT Imaging  
- Diffusion Weighted Imaging

- Women’s Ischemia (WISE)  
- Microvascular Disease  
- $^{31}$P CMR Spectroscopy  
- Pericardial Disease  
- Cardiac Electrophysiology  
- Acute Coronary Syndromes  
- HIV and Coronary Artery Disease

Long-Term Vision

To advance the science and clinical applications of CMR, through multidisciplinary collaboration and early adoption of novel CMR methods.