Register
Please complete the attached registration form and return by mail, fax or email. The course fee includes tuition, teaching materials, continental breakfast and lunch while at Duke University Medical Center, and a reception and dinner on Monday and Thursday evenings, respectively. Enrollment is limited to 100 participants. Please notify Michele Parker (919-668-1671) should a cancellation be necessary. For cancellations prior to April 1st, 2019, there will be a $50 administrative fee charged to the registrant. After April 1st, 2019, the administrative fee is $500. In the event the program is cancelled or postponed, we will not be responsible for any travel costs or expenses, including cancellation/charge penalties assessed by airlines, travel agencies, or hotels.

Lodging
A list of nearby hotels is available on our website: medicine.duke.edu/DCMRC

Registration
Online registration and credit card payment can be made at the DCMRC website: http://events.duke.edu/mrpracticum-19
For payment by check, please mail the check and registration form to:
Duke Cardiovascular MR Center
Duke Medical Pavilion – Room 1E57
DUMC – 3934, Durham, NC 27710
Phone: 919-668-1671 Fax: 919-668-3554
Email: michele.parker@duke.edu

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Current SCMR members are eligible to receive a $600 discount on the registration fee. Contact Michele Parker (michele.parker@duke.edu) to receive this discount.
Overview: This practicum, developed jointly between the SCMR and Duke Cardiovascular Magnetic Resonance Center (DCMRC), is designed to provide practical instruction on cardiovascular MRI. This comprehensive course covers the material on the Cardiovascular Magnetic Resonance Board exam (www.apca.org), but is also appropriate for physicians new to the field, and for technologists.

Raymond Kim, MD  
Co-director. Duke CV MR Center  
Professor of Medicine and Radiology

John Grizzard, MD  
Associate Professor of Radiology  
Virginia Commonwealth University Medical Center

Robert Judd, PhD  
Co-director. Duke CV MR Center  
Professor of Medicine and Radiology

Han Kim, MD  
Associate Professor of Medicine  
Duke Cardiovascular MR Center

Igor Klem, MD  
Associate Professor of Medicine  
Duke Cardiovascular MR Center

Anna Lisa Crowley, MD  
Associate Professor of Medicine  
Duke Cardiovascular MR Center

Michael J. Campbell, MD  
Assistant Professor of Pediatrics  
Duke Cardiovascular MR Center

Jared Christensen, MD  
Assistant Professor of Radiology  
Duke Cardiovascular MR Center

Sreekanth Vemulapalli, MD  
Assistant Professor of Medicine  
Duke Cardiovascular MR Center

Schedule Overview

Monday, April 22th, 2019
8:00 am – 8:30 am  Registration
8:30 am – 5:00 pm  Welcome & Introductions; Lectures: Cardiac imaging; MRI safety; MRI physics - Pulse sequences and image reconstruction; Imaging sequences for cardiovascular anatomy, function, viability, perfusion, flow, and angiography; parallel imaging techniques.

Tuesday, April 23th, 2019
8:30 am – 5:00 pm  Lectures: Technical review from Day 1; Overview of the core cardiac exam and assessment of ventricular function; Assessment of myocardial viability; MR perfusion stress testing; artifacts; coronary artery anatomy; video demonstration of MR perfusion imaging.

Wednesday, April 24th, 2019
8:30 am – 5:00 pm  Lectures: Motion artifacts; Parametric mapping; incidental non-cardiac findings; Role of CMR in heart failure and cardiomyopathies; CMR evaluation of ARVC/D; CMR imaging of patients with cardiac devices; Guidelines for CMR quantitation and post-processing.

Thursday, April 25th, 2019
8:30 am – 5:00 pm  Lectures: Assessment of the pulmonary veins; congenital cardiac disorders I; cardiac masses; Assessment of the peripheral vascular system; evaluation of the pericardium.  
Panel Discussion: 1.5 and 3 Tesla scanners for clinical CMR  
Case Review/Observation of patient cases

Friday, April 26th, 2019
8:30 am – 3:00 pm  Lectures: Congenital cardiac disorders II; evaluation of cardiovascular hemodynamics including measurement of flow, shunts and valves; Assessment of the central vascular system.  
Case Review/Observation of patient cases