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, 2020, there will be a $50 administrative fee charged to the registrant. After April 1st, 2020, 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: https://events.duke.edu/spring2020dcmrc. 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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☐ MD $3000 ☐ Technologist $2200 ☐ Trainee $1650

April 20-24, 2020
Duke Cardiovascular MR Center
Durham, NC
**Overview:** This practicum was developed by the Duke Cardiovascular Magnetic Resonance Center (DCMRC) and 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](http://www.apca.org)), but is also appropriate for physicians new to the field and for technologists.

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<td><strong>Monday, April 20th, 2020</strong></td>
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| **Tuesday, April 21st, 2020** |
| 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; ARVC/D; T2 and T2* mapping.. |

| **Wednesday, April 22nd, 2020** |
| 8:30 am – 5:00 pm | **Lectures:** Incidental non-cardiac findings; Motion artifacts; T1 mapping; Role of CMR in heart failure and cardiomyopathies; CMR imaging of patients with cardiac devices; Coronary anatomy; Valvular heart disease; Guidelines for CMR quantitation and post-processing. |

| **Thursday, April 23rd, 2020** |
| 8:30 am – 5:00 pm | **Lectures:** Assessment of the pulmonary veins; Congenital cardiac disorders I; Hypertrophic CM; Cardiac masses; Assessment of the peripheral vascular system; Evaluation of the pericardium | **Case Review/Observation of patient cases** |

| **Friday, April 24th, 2020** |
| 8:30 am – 3:00 pm | **Lectures:** Congenital cardiac disorders II; Assessment of cardiovascular hemodynamics including measurement of flow and shunts; Assessment of the central vascular system; Advanced CMR techniques | **Case Review/Observation of patient cases** |

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

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

**Michael J. Campbell, MD**
Associate Professor of Pediatrics
Duke University

**Han Kim, MD**
Associate Professor of Medicine
Duke University

**Jared Christensen, MD, MBA**
Vice Chair, Strategy
Associate Professor of Radiology
Duke University

**Igor Klem, MD**
Associate Professor of Medicine
Duke University

**Oscar Han, MD**
Adjunct Professor of Medicine
Duke University

**Stephen Darty, BS, RT-N, MR**
CMR Technologist
Duke University

**Orlando Simonetti, PhD**
Professor of Radiology
Professor of Cardiovascular Medicine
The Ohio State University

**Clerio F De Azevedo Filho, MD, PhD**
Assistant Professor of Medicine
Duke University

**Sreekanth Vemulapalli, MD**
Assistant Professor of Medicine
Duke University

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

**David Wendell, PhD**
Postdoctoral Associate, Senior
Duke University

**Elizabeth Jenista, PhD**
Research Scholar
Duke University