Register
Please complete the attached registration form and return by fax or email. The course fee includes tuition, teaching materials, continental breakfast and lunch while at Duke University Medical Center. Enrollment is limited to 70 participants; all attendees will be required to be fully COVID-19 vaccinated. Please notify Michele Parker (919-668-1671) should a cancellation be necessary. For cancellations prior to April 15th, 2023, there will be a $50 administrative fee charged to the registrant. After April 15th, 2023, the administrative fee is $500. In the event the program is canceled or postponed, we will not be responsible for any travel costs or expenses, including cancellation/change 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/spring2023dcmrc
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

Name: 
Organization: 
Street Address: 
City: State: Zip: 
Email: 
Phone Number: 
Medical Specialty: 
☐ MD $3000 ☐ Technologist $2200 ☐ Trainee $1650
**Overview:** This practicum was developed by the Duke Cardiovascular Magnetic Resonance Center (DCMRC) and is designed to provide practical instruction on cardiovascular MRI. Participation in this course fulfills SCMR Level 1 (track B) and is applicable toward SCMR Level 2 coursework requirements. The content 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.

<table>
<thead>
<tr>
<th>Monday, April 24th, 2023</th>
<th>8:00 am – 8:30 am</th>
<th>Registration</th>
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<tbody>
<tr>
<td></td>
<td>8:30 am – 5:00 pm</td>
<td>Welcome &amp; Introductions; Lectures: Introduction to cardiovascular MR imaging; MRI safety; MRI physics - Pulse sequences and image reconstruction; Imaging sequences for cardiovascular anatomy, function, viability, perfusion, flow, and angiography; and parallel imaging techniques</td>
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| Tuesday, April 25th, 2023 | 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; Motion & heart rhythm artifacts; CMR imaging of the coronary arteries; and Valvular heart disease assessment |

| Wednesday, April 26th, 2023 | 8:30 am – 5:00 pm | Lectures: Other imaging artifacts (wrap, metal, etc.); Role of CMR in heart failure and cardiomyopathies; Incidental non-cardiac findings; T1 mapping and ECV quantification; CMR imaging of patients with cardiac devices; T2 and T2* mapping; and Guidelines for CMR quantitation and post-processing |

| Thursday, April 27th, 2023 | 8:30 am – 5:00 pm | Lectures: Assessment of the pulmonary veins; Assessment of cardiovascular hemodynamics including measurement of flow and shunts; CMR evaluation of ARVD; Identification and differentation of cardiac masses; Assessment of the peripheral vascular system; Evaluation of the pericardium; and CMR assessment of hypertrophic CM |

| Friday, April 28th, 2023 | 8:30 am – 3:00 pm | Lectures: Congenital Disorders I; Congenital Disorders II; Assessment of the central vascular system; and Advanced CMR techniques |

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

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

**Michael J. Campbell, MD**  
Professor of Pediatrics  
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