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. Please notify Michele Parker (919-668-1671) should a cancellation be necessary. For cancellations prior to October 1, 2024, there will be a $50 administrative fee charged to the registrant. After October 1, 2024, 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/fall2024dcmrc
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
**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.

**Course Faculty**

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

- **Andrew McCrary, MD**  
  Assistant Professor of Pediatrics  
  Duke University

- **Fawaz Alenezi, MD**  
  Assistant Professor of Medicine  
  Duke University

- **Wolfgang Rehwald, PhD**  
  Adjunct Professor of Medicine  
  Duke University

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

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

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

- **Sreekanth Vemulapalli, MD**  
  Associate Professor of Medicine  
  Duke University

- **Tina Tailor, MD**  
  Associate Professor of Radiology  
  Duke University

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

- **Andrew McCrary, MD**  
  Assistant Professor of Pediatrics  
  Duke University

- **Wolfgang Rehwald, PhD**  
  Adjunct Professor of Medicine  
  Duke University

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

- **David Wendell, PhD**  
  Research Associate, Senior  
  Duke University

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

- **Jason Williams, MD**  
  Assistant Professor of Pediatrics  
  Duke University

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<th><strong>Schedule Overview</strong></th>
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<td><strong>Monday, October 14th, 2024</strong></td>
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| 8:00 am – 8:30 am | Registration  
| 8:30 am – 5:00 pm | **Welcome & 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  
| **Tuesday, October 15th, 2024** |  
| 8:30 am – 5:00 pm | **Lectures:** Technical review from Day 1; Overview of the core cardiac exam and assessment of ventricular function; Motion & heart rhythm artifacts; Overview of the SCMR Registry; Assessment of myocardial viability; MR perfusion stress testing; Incidental non-cardiac findings; and Valvular heart disease assessment  
| **Wednesday, October 16th, 2024** |  
| 8:30 am – 5:00 pm | **Lectures:** Other imaging artifacts (wrap, metal, etc.); Role of CMR in heart failure and cardiomyopathies; Identification and differentiation of cardiac masses; Assessment of the peripheral vascular system; Evaluation of the pericardium; CMR evaluation of ARVD; CMR imaging of patients with cardiac devices; and Guidelines for CMR quantitation and post-processing  
| **Thursday, October 17th, 2024** |  
| 8:30 am – 5:00 pm | **Lectures:** Assessment of the pulmonary veins; Assessment of cardiovascular hemodynamics including measurement of flow and shunts; CMR imaging of the coronary arteries; T2 and T2* mapping; T1 mapping and ECV quantification; and Assessment of the central vascular system  
| **Case Review/Observation of patient cases** |  
| **Friday, October 18th, 2024** |  
| 8:30 am – 3:00 pm | **Lectures:** Congenital Disorders I; Congenital Disorders II; CMR assessment of hypertrophic CM; and Advanced CMR techniques  
| **Case Review/Observation of patient cases** |  