



Multiple postdoctoral research fellowships are available in the Beth Israel Deaconess Medical Center (BIDMC) Cardiovascular Magnetic Resonance Center (CMR) at Harvard Medical School (www.cardiacmr.hms.harvard.edu). Established in 1995 as the second such center in the United States, the BIDMC CMR Center is dedicated to the development and clinical application of CMR applications to the cardiovascular system. Fellows will participate in a multi-disciplinary research program that develops and evaluates novel cardiac MR techniques for evaluation of cardiovascular disease.

Research Areas:

- **Pulse Sequence Development:** Developing novel myocardial tissue characterization pulse sequences for quantitative assessment of myocardial fibrosis and inflammation.
- **Image Reconstruction and Analysis:** Application of machine learning in cardiac MR image reconstruction, automated image analysis, and disease classification
- **Preclinical Imaging:** Performing pre-clinical studies in large animal models of a) arrhythmia and b) cardiotoxicity to establish the role of cardiac MR in developing arrhythmia and cardiotoxicity.
- **Clinical Imaging:** Conduct clinical studies in patients with cardiac arrhythmia to identify imaging markers of ventricular arrhythmia by utilizing high-spatial resolution scar imaging and myocardial tissue relaxometry

Interested candidates should send a personal statement with research interest, curriculum vitae and three potential referees to Dr. Reza Nezafat, PhD: rnezafat@bidmc.harvard.edu



Advancing Cardiovascular Imaging Through Innovative Research

CARDIOVASCULAR
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We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. Women and minorities are strongly encouraged to apply.