Applications are invited for two open research fellowship positions for 2 to 3-year postdoctoral research positions in the Cardiovascular Magnetic Resonance Center (https://cardiacmr.hms.harvard.edu/), at Harvard Medical School, Boston, MA, USA.

The positions are in the area of (a) machine learning to solve challenging problems in cardiovascular magnetic resonance (CMR) imaging or (b) novel pulse sequence development for rapid imaging of myocardial tissue characterization, perfusion and flow. The candidate will be required to design and develop state-of-the-art deep learning algorithms for a number of CMR applications including, but not limited to image reconstruction, image segmentation, and classification or focus on pulse sequence design for different cardiac MR sequences.

**Applicants are expected to have the following:**
- A Ph.D. degree in Computer Science, Electrical Engineering, Biomedical Engineering, Physics or a related field.
- Strong programming and analytical skills.
- Strong experience and theoretical background in machine learning and statistical analysis.
- Background in MR physics
- Experience in Python, Matlab, and C
- Experience in frameworks such as Theano, Tensorflow, Caffe, and/or Torch

**Interested candidates should submit**
- A recent CV
- List of publications
- Contacts of three references including current supervisor

**Please apply by email to Dr. Reza Nezafat [rnezafat@bidmc.harvard.edu].**

Beth Israel Deaconess Medical Center is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.