The Feinberg Cardiovascular Research Institute of Northwestern University’s Feinberg School of Medicine is seeking a post-doctoral trainee with an electrical/biomedical engineering background who has experience in signal processing. The candidate will be involved in multiple projects related to the study of cardiac arrhythmias in both animal models and in clinical research. The research is primarily focused on the mapping and mechanisms of atrial fibrillation and is funded by grants from the NIH and from industry sources.

**Educational Requirements:** Candidate will have obtained a Ph.D. in electrical engineering, biomedical engineering or related field.

**Qualifications and Experience:** Candidate will be expected to be highly proficient with Matlab and should demonstrate the ability to design and implement Matlab-based tools for signal analysis. Experience in cardiology-related research, particularly with ECG and electrogram signal processing, is strongly recommended. Experience in cardiac computational modeling is a plus. Experience with experimental electrophysiology techniques (e.g. high resolution optical mapping, cellular electrophysiology) is also a plus. Candidate should have a productive publication record and demonstrate creative thinking and problem solving skills.

If interested, please send a CV and names of two references to:

Rishi Arora, MD  r-arora@northwestern.edu  
Associate Professor of Medicine  
Feinberg Cardiovascular Research Institute  

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.