



**DOWNSTATE**  
HEALTH SCIENCES UNIVERSITY

**VA**



U.S. Department  
of Veterans Affairs

**NY/NJ VA Health Care Network**  
**VA NY Harbor Healthcare System**

800 Poly Place | Brooklyn, NY 11209  
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423 East 23rd Street | New York, NY 10010  
212-686-7500

179-00 Linden Boulevard | Jamaica, NY 11425  
718-526-1000

[www.nyharbor.va.gov](http://www.nyharbor.va.gov)

**Position:** Post-Doctoral or Research Scientist Position in Cardiac electrophysiology

**Location:** VA New York Harbor Healthcare System, and State University of New York Downstate Health Science University, Brooklyn, New York, USA

**Qualification:** Applicant must have a PhD and relevant experience and knowledge in basic cardiac electrophysiology.

**Position description:** The applicant desired skills include all aspects of the patch clamp technique and its application to cardiac myocytes, human iPSC-CMs and HEK293/tsA201/HL1 cells as well as data acquisition and analysis using pCLAMP software. In addition, the applicant must be familiar with optical mapping techniques, ECG recording from rodents (guinea-pigs, mouse and rats), and cell enzymatic dissociation from rodents, cell culture and expression of ion channels in expression systems. Be familiar with the Langendorff technique for a working heart and enzymatic cell isolation. Additional desired qualifications are knowledge of the basic molecular biology and biochemistry techniques as they apply to the heart. If the applicant has not yet been exposed to some of these techniques, there is a possibility to learn them on the job.

**Salary:** Commensurate with experience.

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