

## **Post-Doctoral Fellow Research**

### **Center for Translational Medicine**

#### **Lab of Dr. Shey-Shing Sheu**

The role for the postdoctoral position is to carry out research in mitochondrial physiology and pathology of cardiac muscle cells. The job requires the individual to have the scientific and technical skills in performing experiments independently in order to elucidate the mechanisms of mitochondria-sarcoplasmic reticulum crosstalk signaling in regulating energy metabolism, calcium dynamics and reactive oxygen species homeostasis in healthy and diseased cardiac muscle cells. The postdoctoral fellow also needs to have the capability to analyze, explain and present the experimental data to the peers and write up the results for publications. The postdoctoral fellow also needs to develop ability to submit research grant or fellowship applications.

#### **EDUCATIONAL/TRAINING REQUIREMENTS:**

Ph.D., in structural biology and molecular biology

#### **EXPERIENCE REQUIREMENTS:**

Previous experience in an academic lab setting preferred

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