



Research Assistant I for Cardiovascular Pathology (Full-Time #170345)

COMPANY SUMMARY

Texas Heart Institute is a nonprofit organization dedicated to delivering the future of cardiovascular health through exceptional patient care, discovery, and a commitment to learning. For more information, please visit our website at www.texasheart.org.

POSITION SUMMARY

As a primary responsibility, this Research Assistant I will support investigators, project managers, study directors and the Director of Cardiovascular Pathology in conducting cardiovascular research requiring necropsy procedures, Scanning Electron Microscopy (SEM) and digital image analysis. In addition, as time permits, the Research Associate I will assist the EM Lab Coordinator with Transmission Electron Microscopy (TEM).

PRIMARY RESPONSIBILITIES

- Operate the Image Pro® analysis system for morphometric data collection and light microscopy (LM) evaluation which will be used by the pathologist for final analysis.
- Create photographic montages via adobe® Photoshop and edit final pathology reports which includes the data produced from the image analysis system.
- Operate the JEOL JSM-IT500 Scanning Electron Microscope (SEM). Process and scope samples for low and high vacuum electron microscopy. Keep proper documents for the electron microscope for Good Laboratory Practice (GLP) studies such as usage log, maintenance records, validation protocol and reports. Assist with editing final pathology reports with the data produced from the scanning electron microscope.
- Assist in the support of on-going studies conducted at the Texas Heart Institute by maintaining the necropsy facility and assisting in pre-arranged and spontaneous procedures/necropsies.
- Assist with the grossing of tissue, gross photography, and faxitron.
- Assist with the operation and maintenance of general lab equipment, such as daily temperature checks, weekly and monthly equipment calibrations, including maintaining the appropriate record for each equipment. Also assist with the preparation of basic, working laboratory reagents.
- Assist with maintaining compliance for Food and Drug Administration's (FDA) Good Laboratory Practice (GLP) studies. Such as generation and maintenance of Standard Operating Procedures (SOPs) for the laboratory and the development of system validation protocols and reports.
- Generate and organize charts, graphs, and tables for sponsors from nonparametric LM & SEM data collected.
- Assist EM Coordinator with processing, sectioning, staining, and scoping of samples for Transmission Electron Microscopy (TEM)
- Other duties as assigned.

QUALIFICATIONS AND EDUCATION REQUIREMENTS

- Bachelor's degree in one of the basic sciences is required
- At least 2 years of relevant experience is required
- Must be able to demonstrate verbal understanding of the nature of preclinical animal research
- Experience in a basic laboratory setting is preferred
- Histology experience is a plus

HOW TO APPLY

All qualified candidates please complete the application at <https://www.texasheart.org/careers>