



Research Assistant II
THI Molecular Cardiology
(Fulltime-Regular 170120)

COMPANY SUMMARY

The mission of the Texas Heart® Institute is to reduce the devastating toll of cardiovascular disease through innovative programs in research, education and improved patient care. Texas Heart® Institute is a nonprofit organization founded by Dr. Denton A. Cooley in 1962.

For more information, please visit our website at www.texasheart.org

POSITION SUMMARY

Working under the supervision of a senior staff member, the Research Assistant II supports investigators and the director of the Molecular Cardiology. The successful candidate will support drug discovery efforts by performing the multi-step synthesis, purification and spectrometric identification of biologically active organic small-molecules. A background in organic chemistry and relevant lab experience.

PRIMARY RESPONSIBILITIES

- Performs laboratory experiments according to standard procedures and protocols, as assigned by the lab director and other scientists. As necessary, will serve as team leader and trainer for research technicians, other research assistants, fellows and graduate assistants on a project-by-project basis. Techniques may include multi-step organic synthesis, chromatography, HPLC, NMR, MS, and others. (40%)
- Documents all procedural steps and data in the approved scientific manner, and completes calculations and graphic/tabulation of data in a timely fashion. (20%)
- Prepares materials needed for experiments on a daily basis. Checks department inventory and ensures adequate supplies are available. Processes order requests for supplies needed to conduct assigned experiments. (10%)
- Maintains departmental equipment, including user-maintenance on equipment and instruments, and notifies vendor or in-house agent when equipment calibration or repairs are needed. (5%)
- Coordinates projects assigned by lab director; works effectively with other staff as needed to accomplish objectives of experimental protocols. (15%)
- Conducts background literature research related to assigned projects; summarizes and presents data to director and other lab staff; assists researchers with preparation of materials for publication, based on experimental results. (10%)

QUALIFICATIONS AND EDUCATION REQUIREMENTS

- Bachelor's degree in Chemistry with 1-year relevant experience

HOW TO APPLY

All qualified candidates please submit your resume to: careers@texasheart.org with subject title "**Research Assistant II- Molecular Cardiology**"