



Postdoctoral Research Associate
THI Stem Cell Engineering
(FT-Temp 170104)

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 mentorship and supervision of a senior staff member, the PDRA conducts research in a specialized area to enhance their professional skills and research independence, while contributing to department goals. PDRA semi-independently plans and executes experiments, and engages in data collection, analysis, and interpretation. The PDRA must have a Ph.D., M.D. or equivalent degree in an appropriate field.

PRIMARY RESPONSIBILITIES

- Participates in planning, designing and conducting highly technical and complex research projects under the direction of senior staff. May or may not work independently.
- Performs sophisticated experimental procedures in specialized research areas. Identifies and troubleshoots problems in the execution of experiments. Documents all procedural steps and data in the approved scientific manner.
- Researches, compiles and evaluates data sources, background information and/or technology related to area of specialization.
- Prepares and communicates detailed oral and written summaries of results, including manuscript preparations. Presents effectively new research information at appropriate internal and external forums.
- Works effectively in team settings. Commits to project and department goals as set by the lab director.
- May assist in training and oversight of study related activities by research assistants, graduate assistants and other junior staff.
- May apply for own funding or assist lab director in securing new funding.
- Maintains safe, clean, functional and organized work space, both in personal and communal space. Follows departmental and institutional policies.

QUALIFICATIONS AND EDUCATION REQUIREMENTS

- Ph.D., M.D., D.V.M. or equivalent required in a relevant research area
- Experience may not be substituted for education
- Strong background in molecular and cellular biology and/or mouse genetics
- Will need to use molecular biological and biochemical techniques such as polymerase chain reaction (PCR), mutagenesis and subcloning to generate specific gene expression vectors; Western blot, co-immunoprecipitation;
- Will need to use Chip-seq to identify gene changes in control and disease models, and to generate specific gene knockout cell lines and mouse models;

HOW TO APPLY

All qualified candidates please submit your resume to: careers@texasheart.org with subject title “**Postdoctoral Research Associate – Stem Cell Engineering**”