

## Research Animal Database Analyst

The University of Texas M. D. Anderson Cancer Center is accepting applications for the positions of Research Animal Database Analyst. This position is responsible for functional and technical knowledge required to develop, implement and support solutions for research applications and systems integration, and is responsible for participating in functional and technical activities related to the assessment, acquisition, development, implementation, and customization of new systems, application programs and databases within the organization. The Research Animal Database Analyst works with the RISTS team, trainees, veterinarians, and biologists to provide systems expertise, vision and guidance on data management of the research animal colony.

### ESSENTIAL FUNCTIONS:

1. Participates in and directs activities related to the assessment, acquisition, development, implementation, and customization of new systems, application programs, and databases in the area of animal research. Provides process analysis, functional requirements analysis and review, detail design reviews, process workflows, and assessments. Provides consultation services to the end user community (trainees and faculty) to observe current workflows, analyze research processes and suggest / implement system solutions. Initiates and leads sessions with multiple user groups to perform the following activities: training, data collection, cataloging of gathered information and documentation of the agreed upon functionality specification. Assists in developing strategies (e.g. use of emerging technologies), policies, procedures (e.g. change management, disaster recovery, backup, security) and standards (e.g. quality assurance, application development, production support, testing). Coordinates and facilitates work with RISTS technical leads and other IS resources including, Integrated Desktop Services (IDS), Data Center Operations & Technical Services, Network Services, Information Security and Internet Services, to insure proper system operation and performance. Performs functional and technical assessments and evaluates proposed IT technologies and solutions to determine feasibility and compliance with industry and MDACC standards. Adheres to any functional and technical development, configuration or process standards mandated by either MDACC and provides justification for any deviation. Bridges system functional and technical requirements to develop feasible solutions based on project constraints. Provides problem-solving expertise for all aspects of application implementation and use. Evaluates and recommends preferred acquisition approaches such as using an Application Service Provider (ASP), purchasing a package from a vendor or custom development for implementing IT projects. Assists in the coordination of system enhancements, reporting and problem resolution issues with software vendors. Communicates problems / issues that may arise in determining solution feasibility and alternatives to the project manager or manager. Maintains effective communication with management, trainees, and faculty. Demonstrates good written and oral communication skills.

2. Demonstrates knowledge and application of standard System Life Cycle Guidelines (SLCG) in the acquisition, development, implementation, customization, and

maintenance of institutional information systems. Participates in the development of necessary documentation for committee meetings. Provides updates, attends all project meetings and communicates status of all tasks to the management.

3. Promotes professional growth and development through leadership activities and continuing education and training. Prepares and conducts continuing education training sessions for users and coworkers, as necessary. Identifies training needs and education opportunities for research personnel. Evaluates effectiveness of training programs and modifies as necessary. Demonstrates a commitment to the Core Values of the organization through active participation in the Aim for Excellence initiatives. Serves as mentor or advisor to co-workers.

4. Demonstrates knowledge of animal husbandry and can readily address questions and issues that involve animal research.

5. Demonstrates knowledge of data management and is able to customize the system as required to support the animal research activities of multiple research faculty.

**Requirements:**

**Education:** Bachelor's degree in Computer Science or related field.

**Preferred:** Master's degree in Computer Science or related field.

**Strongly Preferred:** Degree in biological sciences with experience in animal research, computer science, software engineering, management information systems, biology, or related field.

**Experience:** Three years experience in project management and/or workflow analysis. Additional related experience may be substituted for the required education degree on a one to one year basis. Functional experience as a subject matter expert specifically in the area of animal research including setting up appropriate crosses, working with genetically engineered mice, working with different strains of mice, designing animal research studies. Three years experience in Research software systems implementation and support, systems process analysis and design. Experience in software product analysis and methodologies. Experience in installation and maintenance of commercial application software products. Experience with basic productivity software (i.e. Word, Excel, PowerPoint, Visio). Excellent verbal and written communication skills (i.e. speaking and email). Experience in an academic research setting. Experience with advanced productivity software (i.e. Access, Visio, Microsoft Office Suite). Experience with Crystal Reports. Experience with Data mining and Data entry. Knowledge of MicroStrategy Suite of applications. Knowledge of Citrix. Knowledge of Facility/LabTracks and experience with .Net Framework.

To apply follow this link to our job posting on the M. D. Anderson Cancer Center website: <http://sh.webhire.com/servlet/av/jd?ai=700&ji=2408633&sn=I>