

Research Associate

The Mouse Genome Engineering Core provides a transgenic animal resource center for the Children's Research Institute and broader community. The rapid evolution of applied molecular genetics and the concurrent development of transgenic mouse models has opened exciting new opportunities in biomedical research. The Children's Research Institute Mouse Genome Engineering Core serves to create transgenic animal models and develop new transgenic techniques.

Detailed Description:

The Research Associate will be working directly with the CRI scientific community, faculty and other UTSW users, to design and generate unique transgenic and gene targeted animals for use, based on specific needs of individual projects. This work primarily requires performing CRISPR/Cas9 targeted gene disruptions and tagged alleles in mouse embryos and ES cells. The facility also provides cryogenic storage services and performs mouse re-derivations and cryo-preservations. Additional responsibilities include developing and improving techniques and procedures and providing consultative services to the community in the design and implementation of transgenic animals. In addition, the Research Assistant will maintain records, and compile, interpret and analyze data and manage facility equipment, inventories, and supplies.

Job Requirements:

Bachelor's degree in molecular biology, genetics, biochemistry, or related field (PhD or Master's degree preferred) with 5+ years experience in mouse genetics including skills in some aspects of transgenic and gene targeted mouse production and specific experience generating gene targeted mice in a BL/6 background (or any equivalent combination of education and experience).

Experience with CRISPR-Cas9 technology or ES cell targeting preferred.

Excellent organizational, record keeping, and report preparation skills.

Must be patient, dedicated, and able to focus.

Strong attention to detail and excellent organizational and communication skills required.