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Our Animal Model Core Facility provides state-of-the-art resources and expertise to support cutting-edge research in the field of animal modeling. Equipped with expertise in reproduction and a highly skilled team, we offer comprehensive services for the generation, maintenance and validation of animal models for scientific investigations.

Key Features:

- Animal Housing and Care:** Our facilities, meticulously controlled environments to ensure the health and well-being of animals, always operating with ethical and regulatory compliance.
- Breeding and Genetic Manipulation:** Our facilities offer advanced breeding programs, including transgenic and knockout models, to address researchers' needs for specific genetic modifications and disease models.
- Experimental Procedures:** We provide technical assistance and training for various experimental procedures, such as surgical interventions, drug administration, behavioral testing, and sample collection.
- Veterinary Support:** Our experienced veterinary team ensures optimal health monitoring, disease prevention, and treatment, all the while ensuring the highest standards of animal welfare.
- Model Characterization:** We utilize techniques in the phenotypic characterization of animal models through advanced imaging, genotyping, histology, and functional assessments.
- Data Management:** We offer secure and efficient data management systems, ensuring organized and accessible storage of animal models, experimental protocols, and results.
- Collaborative Support:** Our dedicated staff collaborates with researchers, offering guidance and expertise in experimental design, animal model selection, and implementation strategies.

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Animal Models for Drug Screening

- Infectious disease models (viral, bacterial and fungal models; details in next slide)
- Hamster and rabbit infectious disease models
- Rodent Wound and Cancer Models

