

# 昭衍

## JOINN



**YOUR GLOBAL PRECLINICAL CRO**  
MASSACHUSETTS • CALIFORNIA • CHINA

[biomere.com](http://biomere.com)



## GENETICALLY MODIFIED ANIMAL PROGRAM (GMAP)

### Meet the Colony Management Team

We provide customized, full-service colony management. Your research project is personal to us, because it is personal to you. Thank you for your dedication to discovering new cures and therapies for all.



### Dedicated Project Management

Every client is assigned a dedicated team member, who is their single point of contact and directs the work of the clients' colony technicians.

### Study-Ready Cohorts

Regardless of the size of your colony, we breed to your specifications within your timeline. Upon completion of your project, we will transfer your models as directed - in-house for a Biomere study or shipped domestically or internationally to your location of choice.

### Priority Scheduling

If you chose to utilize our services to continue your research plan, colony clients receive priority on our study schedule, extending the benefit of expedient study-start timing.

## EXPERIENCE

Experience in diverse rodent models, including neonate models, rare disease models, inducible and conditional expression models (Cre-Lox, Tet-Off/On), reporter models, and complex multi-gene and multi-knockout models.

Experience in rat and mouse models from multiple areas of research, including:

### Metabolic and liver diseases

- Amino acid disorders
- Copper storage diseases
- Enzyme/glycogen storage disorders
- Gastrointestinal disorders
- Glycolytic defects/deficiency disorders
- Hepatic therapeutic models
- Lipid metabolism/storage disorders
- Lysosomal storage disorders
- Obesity disorders

### Bone diseases

- Calcification & mineralization disorders

### Immunology and Inflammation diseases

- Clotting disorders
- Congenital anemias
- Immune system disorders

### Neurological diseases

- Amyloid diseases
- Central nervous system diseases
- Motor neuron disease
- Mucopolysaccharide disease
- Neurodegenerative disease
- Neuromuscular disorders
- Peripheral nerve disorders

### Eye diseases

- Disorders of the eye and retina

### Kidney diseases

- Urea cycle disorders

### Lung diseases

- Pulmonary/respiratory disorders

### Genetically modified models

- Conditional expression models/embryonic lethality
- Humanized gene models
- Inducible expression models
- Non-fluorescent & fluorescent reporter models

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### Data Management

Electronic data management supports custom generated inventory and pedigree reporting. Custom reports available upon client request to support project requirements.

### Animal Welfare, Unique Model Needs

Administration of custom diets, water, supplements or medications and enrichment.

### Flexible Housing Options

Depending on health status, mice and rats are housed in individually ventilated cages (IVCs) within our maximum exclusion barrier or standard exclusion barrier. Preapproved strains, requiring biocontainment and rederivation/embryology services to eliminate pathogens, are housed in our quarantine suite in rigid isolators.

### Genotyping Services & Genetic Integrity

Conventional and real-time PCR, with options for genetic background characterization using SNP panels available.

### Assisted Reproductive Technology (ART)

Rerderivation through embryo transfer, IVF, cesarean delivery, and ovary transplantation.

### Additional Services

Fostering, timed-pregnancies, embryonic and fetal tissue collection, blood, urine and tissue collection are offered as well as additional services catering to client needs as requested.

## COLONY HOUSING OPTIONS

### Maximum Exclusion

**No murine pathogens or specified opportunists allowed.**

Our shower-in facility is free of all murine pathogens and specified opportunists. Space is available for mouse colony housing in IVC rack systems. Strains may undergo quarantine procedures or onsite rederivation for introduction to this facility.

### Standard Exclusion

**Specific pathogen free.**

For those colonies that do not meet the maximum exclusion health status and have specific permissible pathogens that are of no consequence to a clients' research needs. Space available for mouse or rat colony housing in IVC rack systems.

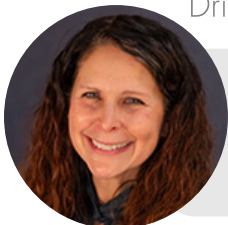
### Quarantine

**Specific pathogens allowed.**

In the interest of time, breeding and support of models with specific pathogens for crucial experiments can be done in Biomere's quarantine facility while your model is rederived to pathogen free status.

## IT'S PERSONAL.

Driven to expedite your journey.



**"We take immense pride in providing the highest level of care and personal attention to both the animals under our care and to our clients. Our program gives clients a personal touch that is crucial for research success."**

**- Kristin S., Senior Program Director, Genetically Modified Animal Program**

Contact: [bd@biomere.com](mailto:bd@biomere.com)