

# Animal husbandry, colony management & consulting services

For uninterrupted research progress



From the creation of your genetically altered rodent models to the remote management of your colonies at your facility, JANVIER LABS displays an unmatched panel of services, offering you a customized experience, tailored to your needs, which ultimately benefits your research projects.

# Colony housing and management at JANVIER LABS

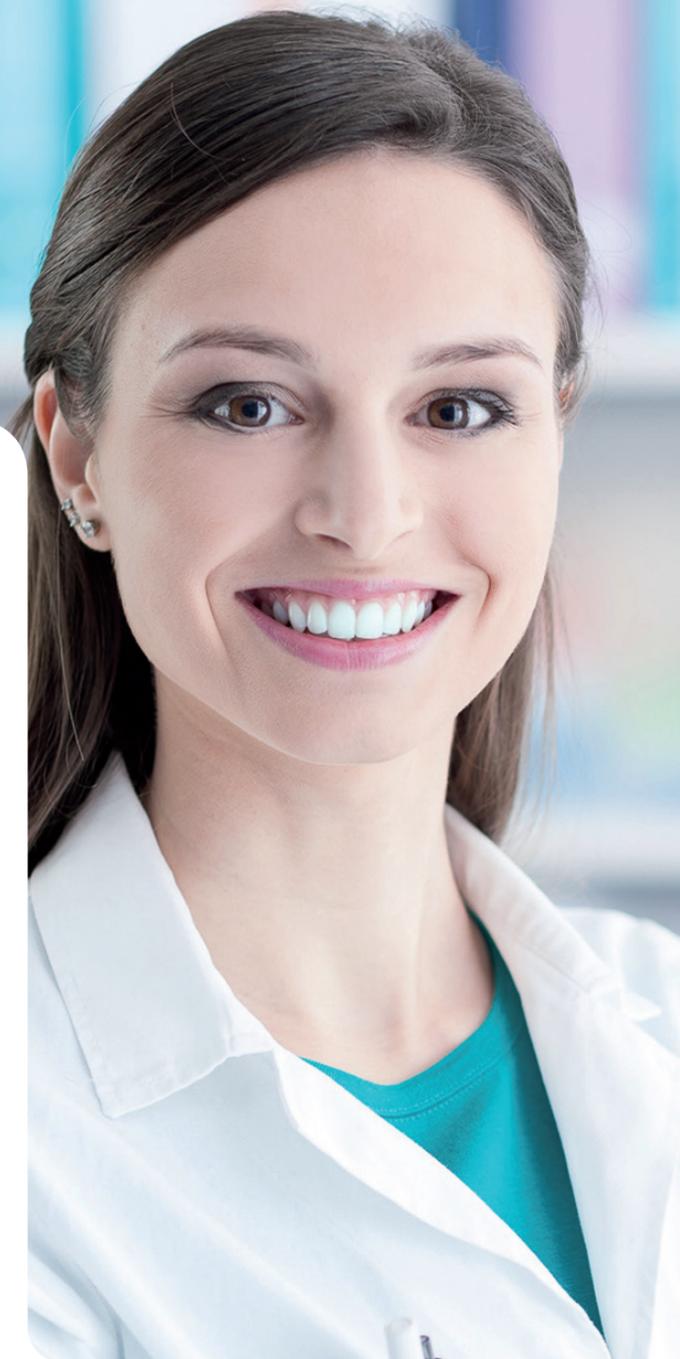
Limited resources, including time, space and expertise, can hinder your ability to successfully breed and maintain complex genetically altered rodents.



## TOP 10 REASONS FOR CONTRACT BREEDING

- 01 EXPERTISE AND EXPERIENCE**  
Our PhD and PMP® (Project Management Professional) certified Project Managers bring extensive experience and knowledge of best practices in breeding, housing and maintaining rodent colonies. Your dedicated Project Manager will accompany you throughout the entire process.
- 02 REDUCED WORKLOAD**  
By outsourcing colony management, you can streamline your in-house workload, enabling you to prioritize your core research activities over routine colony maintenance tasks.
- 03 COST SAVINGS**  
Save cost in terms of staffing, infrastructure and resources.
- 04 COMPLIANCE AND COMMITMENT TO ANIMAL WELFARE AND TO 3RS**  
Our team remains up-to-date with the latest regulatory standards, ensuring that your rodent colonies are managed in strict compliance with relevant guidelines and protocols. Contract Breeding enables improved compliance with the principle of the 3Rs by reducing animal usage and producing only the most relevant genetically altered animals to achieve your specific experimental objectives.
- 05 QUALITY ASSURANCE**  
JANVIER LABS has stringent quality control measures in place, ensuring that the rodent colonies meet specific genetic, health and environmental standards.

- 06 FLEXIBILITY AND REACTIVITY**  
You can have full flexibility in customizing the services you require, tailoring them to your specific research needs without being burdened by the comprehensive management of the entire colony.
- 07 FOCUS ON CORE COMPETENCIES**  
By outsourcing your colonies to us, you can concentrate on your core competencies, such as conducting experiments, analyzing complex data, and publishing your findings.
- 08 ACCESS TO ADVANCED TECHNOLOGIES**  
JANVIER LABS has access to cutting-edge technologies and facilities tailored to specific breeding programs and genetic manipulations.
- 09 RISK MITIGATION**  
JANVIER LABS has established contingency plans to address emergencies, guaranteeing minimal disruption to research activities in the event of unforeseen circumstances impacting the rodent colony.
- 10 SCALABILITY**  
Our services are adaptable and scalable, capable of accommodating any type of project you are undertaking.



## What do we offer?



### 1. DEDICATED PHD PROJECT MANAGER

Your **dedicated PhD Project Manager** will accompany you and advise you throughout the entire process from the establishment of a personalized strategy to the delivery of your animals of interest ensuring your objectives, timelines and budget are met. Our Project Managers are recognized for their reactivity, their professionalism and their ability to align with your objectives.



### 2. PERSONALIZED BREEDING STRATEGY

Every breeding strategy is customized based on the requirements and unique aspects of your project:

- SOPF or SPF health status
- Mating, weaning, euthanasia, pregnancy follow-up
- Follow-up and scientific support by a dedicated Project Manager
- Communication plan according to your needs + videoconferencing
- Dedicated Contract breeding software with real-time data



### 3. GENETIC ANALYSIS & SPEED CONGENICS

- **Genotyping:**
  - Design of genotyping assay and optimization of PCR protocols
  - Real-time PCR genotyping for several genes per biopsy
  - Fast and reliable results (24 to 48 hours)
- **Genetic analysis:**
  - Testing of 10,000 SNPs (mouse) & 740 SNPs (rat)
  - Background verification (primary and secondary genetic

- backgrounds, presence of genetic constructs, etc.)
- Evaluation of genetic purity (estimation of inbreeding, etc.)
- **Speed congenics program:**
  - Genetic analysis of 10,000 SNPs
  - Selection of the 2 highest scores for next generation of backcross
  - Significant time reduction by at least 50% compared to classis backcross
  - Congenic strain strongly reduces phenotypic variability due to genetic background

Contact our project managers  
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# Remote colony management and consulting services

Managing breeding strategies for multiple genetically altered models can be complex and time-consuming without a dedicated team of experts. With JANVIER LABS' remote colony management services, we ensure efficient management of your colonies without the need to relocate your animals.



## TOP 5 REASONS FOR REMOTE COLONY MANAGEMENT

01

### UNPARALLELED EXPERTISE

Our PhD Project Managers are experts in genetics and colony handling, giving you access to industry leading expertise whenever you need it from JANVIER LABS.

02

### COST-EFFICIENCY

Remote colony management can help you save costs by reducing the need for expert staff dedicated to managing your colonies.

03

### MINIMIZED DISRUPTIONS

Remote monitoring minimises colony disruptions, ensuring you have readily-available homogenous animals, with consistent microbiota and enhanced biosecurity. By eliminating the need for transport, animals are always available for last-minute needs.

04

### CUSTOMIZATION

Remote management can be tailored to specific research needs. We adapt to your system.

05

### EFFICIENT RESOURCE ALLOCATION

Remote monitoring systems can optimize resource allocation.

## What do we offer?

Contact our project managers

[janvier-labs.com/en/quotation/](http://janvier-labs.com/en/quotation/)

[project.management@janvier-labs.com](mailto:project.management@janvier-labs.com)



### 1. DEDICATED PHD PROJECT MANAGER

Your dedicated Project Manager will be on hand to assist you throughout the entire process, from establishing a personalised strategy, to obtaining animals of interest; ensuring that your objectives, timelines, and budget are met. Our Project Managers are recognised for their reactivity, professionalism, and their ability to rapidly align with your objectives.



### 2. PERSONALIZED BREEDING STRATEGY

Every breeding strategy is customized based on the requirements and unique aspects of your project

- Instructions for mating, weaning, euthanasia...
- Follow-up and scientific support by a dedicated Project Manager
- Videoconferences to ensure our strategy fits your bespoke needs.



### 3. HANDLING OF YOUR DAY-TO-DAY COLONY MANAGEMENT NEEDS

- Generation of the most efficient mating schemes
- Comprehensive overview and schedule of your project's progress
- Developing a plan for your genetic analysis requirements