

## **ANIMAL EXPERIMENTATION**

### **TECHNOLOGY DESCRIPTION**

The Animal Laboratory Platform of the IIS La Fe is characterized by its versatility and multifunctionality and based on the highest standards of quality, health and animal welfare. We are dynamic in our ability to respond, adjusting to the needs of researchers, funding agencies and regulatory bodies. Our staff operates always maintaining the life quality of animals, not only for regulatory needs to comply with legislation, but because this position allows us to obtain high quality scientific results.

Another of the main tasks of this platform consists of facilitate and support the healthcare professionals training through learning based on the creation of clinical and surgical scenarios that guarantee the quality of care and patient safety with the application of animal origin specimens. Our platform is a cutting-edge, pioneering and innovative center, that aims to meet the healthcare and patient safety training requirements providing a high-level technological equipment to meet our customer needs.

### **BUSINESS APLICATION AREAS.**

- Accommodation, handling and implementation of experimental procedures with animal models of different species (mouse, rat, rabbit, pig and sheep) under high hygiene, safety and quality conditions according to current regulations and recommendations of international organizations such as the "Federation of European Laboratory Animal" Science Association (FELASA) ".
- Technical advising on experimental designs with animal models.
- Technical advising on experimental protocols.
- Interrelation with regulatory authorities (Council of the GVA) and with the Laboratory Animals Ethics Committee of the IIS La Fe.
- Development of tools for controlling and supervising animals to ensure the highest standards of animal health and welfare and scientific quality.
- Preparation, coordination, advice and support in surgical workshops for medical staff interested in organizing training courses.
- Creation of clinical and surgical scenarios with animal origin specimens that guarantee the healthcare professionals training and, therefore, the quality of care and patient safety.

### **TECHNICAL ADVANTAGES AND BUSINESS PROFITS.**

Our facility, which has its services available to internal and external customers, offers a personalized service in the different animal models proposed, optimizing the research methodology. It highlights our interest in consulting and regulation services at national and international level, in terms of laboratory animal protection and animal welfare guidelines.

It is also provided with a conventional area and laboratories with optimized hygiene conditions and endowed with air conditioners and a computerized system for the environmental control of temperature, humidity and lighting. This system also has impellers and air extractors that make possible the modification of air renovation in the room and the option to generate positive or negative pressure. All rodent are located in ventilated racks that generate a controlled microenvironment. In addition, it is possible to carry out the work in the absence of daily light, minimizing the circadian alterations of the animals.

We emphasize the area called SPF, an area for rodent acclimation and working where high levels of quality and control are conducted and make it possible to carry out studies with genetically modified and immunocompromised animals or animals with controlled microflora requirements (axenic and / or gnotobiotics). Therefore, it allows obtaining "in vivo" assay results with a higher quality.

The experimental surgery room stands out for its versatility and allows developing training programs in various

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specialties and professional skills. Surgical stations equipped with the latest advances in radiological intervention technology, mobile panels and radioprotection elements, place this experimental surgery room as one of the ideal areas for training in minimally invasive techniques in a wide range of specialties. These surgical facilities can be adapted as required in the training activity offering the ability to work in teams of interdisciplinary nature.

The scientific and technological services of the IIS La Fe are focused in establishing a coordinated set of platforms with professionals and teams led by excellence. In this scenario, this facility offers its high added value services due to the experience in the methodology of experimental models with laboratory animals and the close dealing with the interested research team. These values place this platform at the forefront of biomedical research.

### **SEARCHING PARTNERS**

The Animal Experimentation Platform of IIS La Fe maintains relationships with biomedical research groups belonging to the public or private sector (external company or spin off). We look for national and international companies and public entities, that need to work necessarily and in a justified way with the animal model for upholding their objectives in their research projects frame. We also look for centers that aim to lead teaching surgical workshops for healthcare staff who wish to be a reference group in training programs for different medical specialties or in specific surgical and intervention techniques.

### **RELATED IMAGES.**

Experimental surgery room.



Laundry and (Safety Access System) S.A.S Access.



### **CONTACT**

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