

## VALENCIAN BIOBANKING NETWORK

### DESCRIPTION OF THE TECHNOLOGY

Biomedical and health sciences research is an essential tool for improving health, quality of life and life expectancy of citizens. The donation of human biological samples and its storage in biobanks to be subsequently used for biomedical research is currently one of the essential elements to promote scientific activity in health, both in basic and translational research, as well as in clinical and public health research.

The Valencian Biobanking Network (Red Valenciana de Biobancos, RVB), in coordination and under the direction, supervision and control of the regional health administration, is managed by the Foundation for the Promotion of Health and Biomedical Research of Valencia Region (FISABIO). The RVB has been established as a support platform addressed to the scientific community to strengthen biomedical research excellence. Nowadays, the RVB is comprised of 9 biobanks authorized by the Conselleria de Sanitat Universal i Salut Pública, and located in hospitals and research centres of Valencia Region.

The RVB allows a better management of samples used by the associated biobanks of the network and their availability to research groups which use them. Moreover, it promotes the homogenization of "best

practices" in the management of biobanks, the achievement of optimum levels of quality and safety of biological samples, and the guarantee of respecting the law and the rights of donors.

The RVB is based on its own Management Information System (MIS). It allows carrying out the integral management and the traceability of the process followed by each sample and its associated information, within any biobank belonging to the Network.

The MIS also facilitates the interconnectivity with other information systems of the regional health administration (Conselleria de Sanitat i Salut Pública), improving the access to the samples and providing a greater availability of associated clinical information. This increases significantly its scientific value and impacts positively in its potential use in biomedical research. In addition to this information system infrastructure, different technical, organizational and legal-ethical worthwhile protocols have been developed.

The RVB has been consolidated as an effective cooperation mechanism for the associated biobanks and as a main service for researchers of Valencia Region and the whole scientific community.

### MARKET APPLICATION SECTORS

The Valencian Biobanking Network offers its services to both public and private institutions that develop R+D+i activities regarding the use of human biological samples for biomedical research (hospitals, universities, research centres, pharmaceutical and cosmetic industry and biotechnology companies).

### TECHNICAL ADVANTAGES AND BUSINESS BENEFITS

- Access to biological samples of human origin and its associated data with the highest quality standards, scientific suitability and guarantee of the donor's rights under current legislation.
- Optimization and maximization of resources, simplifying the steps to the end user through an effective single-window system. Agile and efficient processing of requests.
- High response capacity in terms of number of biological samples available.
- Creation and management of new collections.
- Addressing scientific challenges that require a multicenter origin of the samples, minimizing inherent risks and biases.
- Offering network cross-service platforms for handling, processing and analysing biological samples, and associated data with biomedical interest.
- Offering a wide variety of technological services (custody and treatment of biological samples, immunohistopathological studies, genetic studies, high-throughput studies, etc.).
- Interconnectivity with other information systems of the public health service, including hospitals and health centres, to provide the information related to the samples with high quality and reliability.

## VALENCIAN BIOBANKING NETWORK

### CURRENT STATE OF DEVELOPMENT

The RVB aspires to be a reference at International level in the efficient management of biological samples stored in biobanks associated to the network. It is a coordination and cooperation initiative between public and private biobanks authorized not only in Valencia but also in other regions, even neighbouring countries, which, in turn, is responsible for developing common technical, organizational and legal-ethical protocols. The network infrastructure is supported on an updated information system that makes available for users, as quickly as possible, of those biological samples and its associated information contained in any biobank belonging to the Network.

### INTELLECTUAL PROPERTY RIGHTS

The scientific activity of the laboratory has the equipment and know-how for the proper management of biological samples. Moreover, the extensive experience of the Network and its professionals can provide the required technical and scientific assistance at any time.

### COLABORATION SOUGHT

The RVB aims to increase the accessibility of biological material for the public and private health science sector. In addition, it offers ethical and legal consultancy in the management and treatment of human biological samples for biomedical research.

### RELATED IMAGES



## CONTACT

### Valencian Biobanking Network Coordination

Fundación para el Fomento de la Investigación Sanitaria y Biomédica de la Comunidad Valenciana

Avenida de Cataluña 21,

46020 Valencia

Tel.: 961 925 908

E-mail: [redvalencianabiobancos@gva.es](mailto:redvalencianabiobancos@gva.es)

Web: <http://grupos.fisabio.san.gva.es/web/rvb>