

Knowledge across the borders





Refbio, the reference in biomedical research of the Pyrenean community

Refbio is a **trans-Pyrenean cooperation network for biomedical** research, started in 2012 and involving today 9 institutions from 6 regions on both sides of the Pyrenees.

Its main objective is to **promote cross-border cooperation between Spain and France** for research of excellence at a European level in areas such as oncology, haematology, cell therapy, neuroscience, epidemiology and public health, cardiovascular and infectious diseases, and clinical trials.

Between 2012 and 2015, the first **Refbio** phase settled the collaboration between the regions and resulted in 17 scientific projects, 4 specialized workshops and 2 summer schools. In total, approximately 2,100 research and management of health professionals were involved.

In 2016, the second phase of **Refbio** (2016-2018) was launched in order to consolidate the network and improve effective transfer of biomedical R&D results and their valuation in the Pyrenean area.

In this second phase, the following objectives have been set:

- Intensify **collaboration with representatives of the specialized biomedical sector in innovation.**
- Stimulate **innovation and technology transfer.**
- Make effective use of **R&D** results obtained thanks to public-private cooperation

During the **30 months of work**, **Refbio II** has planned the organization of 4 technical conferences and 2 calls for the implementation of cross-border research projects between the different partners with the collaboration of companies.

Network Priority Research Fields:

- Health sectors ICTs
- Drugs and clinical trials
- Technology platforms
- Therapeutic trials for chronic diseases
- Normal and pathological ageing.

The European Regional Development Fund (ERDF) is co-financing 65% of the project within the framework of the Interreg V-A Spain-France-Andorra Program (POCTEFA 2014-2020). The objective of the POCTEFA is to strengthen the economic and social integration of the Spain-France-Andorra border area. Its assistance focuses on the development of cross-border economic, social, and environmental activities through joint strategies for sustainable territorial development.

Refbio II, 7 collaborative research projects.

EPICHRONIC II

Impact of new antidiabetic drugs on the treatment of Type 2 Diabetes and patients' safety: a pharmacoepidemiological challenge.

Topic: Chronic Diseases

Partners: Université Paul Sabatier, CHU de Toulouse, IACS, Navarrabiomed-FMS, BIOEF

Project leader: Maryse LAPEYRE-MESTRE • Université Paul Sabatier

HEADLINE

Link between cardiovascular and neurodegenerative diseases through the focus of epigenetic changes in the RNA.

Topic: Neurosciences

Partners: CHU de Toulouse, Biocruces

Project leader: Anne PAVY-LETRAON • CHU de Toulouse

HEPATIC

HMB for undernutrition on patients with cirrhosis.

Topic: Clinical Trials

Partners: IACS, Université Paul Sabatier, FRS-CIBIR, Biocruces

Project leader: José Miguel ARBONES MAINAR • IACS

IGOR

IGF1, an option for regenerative medicine.

- Topic: Regenerative medicine
- Partners: Université Paul Sabatier, IACS, FRS-CIBIR
- Project leader: Jean-Michel SENARD • Université Paul Sabatier

MOL_CRC

New biomarkers with potential clinical value in the consensus of molecular subtypes of colorectal cancer.

- Topic: Oncology
- Partners: Navarrabiomed-FMS, CHU de Toulouse, FRS-CI
- Project leader: Maria Luisa GÓMEZ DORRONSORO • Navarrabiomed-FMS

MOMENEU

Identification of common molecular mechanisms in neurodegeneration.

- Topic: Neurosciences
- Partners: FRS-CIBIR, Navarrabiomed-FMS, Université Paul Sabatier, Biocruces, IACS
- Project leader: Juan CABELLO • FRS-CIBIR

PROBIOMEL

Research and validation of prognostic biomarkers for melanoma.

- Topic: Oncology
- Partners: FRS-CIBIR, Navarrabiomed-FMS, Université Paul Sabatier
- Project leader: Ignacio LARRÁYOZ • FRS-CIBIR

Refbio, 2 countries, 9 partners, 1 single objective.

BIOCRUCES • HEALTH RE- SEARCH INSTITUTE • *BASQUE COUNTRY*

Biocruces is the Medical Research Institute of the University Hospital Cruces, a reference in the Basque Country, with a recognized track record in teaching and research. It promotes research, stimulates development and innovation and encourages the transfer and exploitation of R&D results in the public health sector.

www.biocruces.com

BIODONOSTIA • HEALTH RE- SEARCH INSTITUTE • *BASQUE COUNTRY*

The **Biodonostia Institute** is the first health research institute in Euskadi. It focuses on patient-centred translational research, covers all research carried out in Gipuzkoa as part of the Osakidetza Basque Health Service and has the ambition, thanks to its multi-institutional and interdisciplinary collaboration structure, to improve the health of citizens.

www.biodonostia.org

BIOEF • BASQUE FOUNDATION FOR HEALTH INNOVATION AND RESEARCH • *BASQUE COUNTRY*

The Organization was created by the state Health Department to promote innovation and research in the Basque health system. **BIOEF** facilitates the development of intersectoral health programs and policies to improve the competitiveness and quality of the health system. Thus it provides a framework for collaboration, cooperation and communication between the different sectors involved in medical research and innovation at different regional, national and international levels.

www.bioef.org

CLUSTER SANTÉ OSASUNA • *AQUITAINE*

First cluster dedicated to health care in France, Osasuna was created in April 2012. It brings together companies and institutions related to health knowledge. The **Osasuna Cluster** aims to set up common dynamics to strengthen, structure and enhance the health sector in order to offer patients a better healthcare offering.

www.osasuna.cluster-sante.fr

CENTRE HOSPITALIER UNIVERSITAIRE DE TOULOUSE • MIDI-PYRÉNÉES

The **Toulouse University Hospital** is home to a large number of establishments located in the north and south of Toulouse. It seeks to promote the advancement of medical and pharmaceutical sciences through clinical research and encourages cooperation between different public and private health-related organisations.

www.chu-toulouse.fr

IACS • ARAGON INSTITUTE OF HEALTH SCIENCE • ARAGÓN

IACS is the entity that promotes knowledge of biomedical and health sciences in Aragon. It is a public structure, related to the Department of Health of the Government of Aragon, and is composed of staff from the health and care centres of Aragon and the central services that manage the themes of knowledge production, innovation and knowledge transfer.

www.iacs.es

UNIVERSITÉ PAUL SABATIER TOULOUSE • MIDI-PYRÉNÉES

From the atom to the exoplanets, via mass data, oncology, eco-systems or the human and social sciences, research at the **University Paul Sabatier of Toulouse** covers a broad spectrum of scientific subjects through 67 research structures, including 43 joint research units with their regional and national partners.

www.univ-tlse3.fr

RIOJA SALUD FOUNDATION • LA RIOJA

The Foundation is the driving force behind innovation in La Rioja's public health system, be it technology-based, knowledge creation or transfer, in terms of research and continuous improvement of therapeutic processes. The mission of the **Rioja Salud Foundation** is to promote the permanent evolution of the public system by maintaining the principles of universality, quality, gratuity, humanization and technicality.

www.fundacionriojasalud.org

NAVARRABIOMED - FOUNDATION MIGUEL SERVET • NAVARRE

Navarrabiomed is the biomedical research centre of the Government of Navarre which promotes and facilitates the research of public health professionals.

Its location within the Navarra Hospital Complex promotes close proximity between researchers and clinical professionals. In addition, thanks to its agreement with the Public University of Navarra, Navarrabiomed unites the efforts of the two institutions to increase competitiveness in research in this region.

www.navarrabiomed.es

Refbio II 2016 2018

PYRENEES BIOMEDICAL NETWORK



CONTACTS

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