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Special attention is devoted to Intellectual Property (IP) and legal issues:

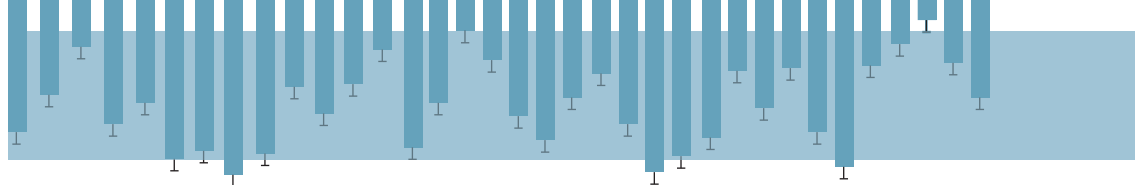
- Contracts are signed with scientists depositing compounds in CBB and with those using them.
- Access and use of databases are regulated.
- IP and patent rights are established.

# ChemBioBank

The reference bank for chemists, biologists and drug hunters

Coordinated by:

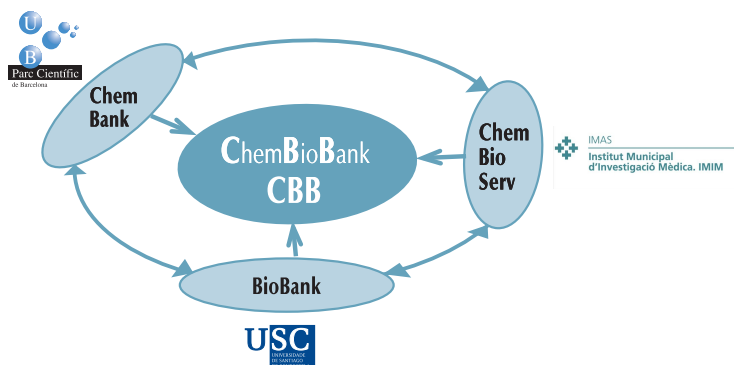




## What is ChemBioBank?

ChemBioBank (CBB) is a public bank with a large, freely accessible, collection of compounds with annotated biological profiles. In addition, by means of chemoinformatic tools, molecular descriptors are also obtained.

Developed by the Barcelona Science Park (PCB-UB), the University of Santiago of Compostela (USC) and the Institut Municipal d'Investigació Mèdica (IMIM), part of the Barcelona Biomedical Research Park (PRBB), CBB is an interactive space where the scientific community can share and enhance their knowledge.



## CBB

Provides early stage biological and chemoinformatic data about chemical compounds which will enable researchers in public and private sectors to validate new drug targets.

Supplies compound collections to research groups working in fields of biology for evaluation in their own targets. CBB draws up a legal document between the participating groups.

Open to scientists and companies from emerging geographic areas in order to create a large worldwide network.

## Why ChemBioBank?

Advances in genomics, proteomics, combinatorial chemistry, bioinformatics and HTS techniques have allowed the obtention of a high number of new biological and therapeutic targets. Nevertheless, these technologies and the results obtained are often not cross-related. By establishing a public bank of chemical and biologically annotated compounds, CBB endeavours to correlate and manage this information.

## Reasons to entrust ChemBioBank

CBB stores collections of small molecules and biomolecules that have been identified/synthesized by research groups, with the aim to increase the value of these compounds by providing biological and chemoinformatic information. The biological data comprise cytotoxicity assays in several cell lines, activity in twenty GPCRs and diverse transporters, cytochrome inhibition, cellular membrane penetration and cellular signalling, among others. CBB also extracts knowledge from the biological information generated on each compound by means of novel chemogenomic tools with the aim to perform in silico pharmacological profiling of large chemical libraries.

All operations are documented through a legal agreement between the participating groups.

CBB establishes collaboration and technology transfer between research groups working in fields of chemistry and biology and operating in the public and private sectors.

## How does ChemBioBank operate?

