Core Scientific Services

Centralised equipment and facilities to support research are operated within a self-service system, ensuring the flexibility and optimisation of resources. Areas of activity:

- Cellular culture rooms, centrifuges, high speed and ultracentrifuges
- Spectroscopy equipment
- Microscopes
- Histology equipment
- Ultrafreezers
- Storage in liquid nitrogen
- Protein purification service
- Dark rooms
- Cold chambers
- Material cleaning and sterilisation service

More info: Tel: +34 934 037 099 | scc-pcb@pcb.ub.cat

Drosophila

Access to the observation rooms (“fly rooms”) equipped with magnifiers and installation of CO2 for the handling and processing of flies, cameras and climatic cabinets (18-25 °C). Growth medium supply service and assistance in the associated rooms.

More info: Tel: +34 934 037 099 | scc-pcb@pcb.ub.cat

Radioactivity Unit (IR)

We put specific laboratories at the disposal of researchers in which to work with radioactive molecules. The IR-PCB has the relevant operating authorisations from the Generalitat de Catalunya and the Nuclear Security Council.

More info: Tel: +34 934 034 679 | ir-pcb@pcb.ub.cat

Special Reactions service

This service supports research in the fields of Fine Chemistry, Pharmaceutical Chemistry and Biomedicine. At its laboratories activities that represent a high risk or significant inconvenience to staff that work in the Park can be carried out. The service consists of three types of laboratories:

- Toxic products and dangerous reactions laboratory
- Hydrogenation laboratories 1 and 2

They work on a self-service system and can be accessed both by companies and research groups located in the Science Park as well as external users.

More info: Tel: +34 934 037 122 | sre-pcb@pcb.ub.cat

Chemistry room (SCQ)

Researchers will find useful instruments for certain chemical processes such as:

- An infra-red spectrophotometer
- A UV spectrophotometer
- HPLC preparation
- A sonicator
- A concentrator

More info: Tel: +34 934 037 122 | uqc-pcb@pcb.ub.cat

Aquests són els serveis i infrastructures per als clients instal·lats
Open to the scientific community:

Proteomic Platform
We provide support, technical advice and services in the field of proteomics, both to researchers at public centres as well as to the private sector. The Platform also undertakes projects on its own or in collaboration with third parties.

Analysis by mass spectrometry, from determination of molecular masses up to complex proteomic analysis, can be carried out in the facilities of the PCB.

More info: Tel: +34 934 034 653 | pproteomica@pcb.ub.cat

PCB-PRBB Animal Facility
Since 2000, it has formed part of the technological range of the PCB with the aim of becoming a benchmark in research with live models. We offer services in research, development and innovation (RD I) to groups from the Universitat de Barcelona (UB) and to companies located in the PCB, but the infrastructure is also open to other public research centres and companies in the private sector. The broad lines of activity of the PCB-PRBB Animal Facility are the following:

- Supporting the research of universities or public research bodies
- Offering services of high added value to private companies
- Carrying out projects of its own or in collaboration, to increase its own Know-how

More info: Tel: +34 934 037 006 / 034 766 | sea-pcb@pcb.ub.cat

Combinatorial Chemistry Platform (UQC-PCB)
Through this Unit, created in 2002, we offer services for research and development (R&D) in the sectors of chemical-pharmaceutical industry, biomedicine, biotechnology and veterinary science, as well as to university R&D centres and groups of public bodies. The UQC also undertakes projects on its own or in collaboration with third parties.

We put the technology and know-how at the disposal of users in order to carry out projects for the chemical synthesis of unique compounds or libraries of different types.

More info: Tel: +34 934 037 122 | uqc-pcb@pcb.ub.cat

Unit of Experimental Toxicology and Ecotoxicology (UTOX-PCB)
Centre TECNIO
The UTOX is positioned as a centre for research, innovation and services in toxicology and is part of the CERETOX (TECNIO agent). It offers the following range of technological services:

- In vivo and in vitro toxicology
- Ecotoxicology
- Expert reports and analytical determinations (of application to the pharmaceutical, biotechnology, cosmetic, veterinary, food, chemical, health and environmental sectors).
- It has the GLP certificate of compliance for carrying out studies in toxicology and ecotoxicology with medicines (human and veterinary use), health products and cosmetics.

More info: Tel: +34 934 039 710 | utox-pcb@pcb.ub.cat
Open to the scientific community:

**Technological services offered by the Centre Nacional d'Anàlisi Genòmica (CNAG)**

The CNAG provides services of analysis, methodological development and technological assessment in three main areas: Chemistry, Materials and Biosciences. Units located in the Park:

- Genomics
- Bioinformatics
- Nuclear Magnetic Resonance
- Polymorphism and Calorimetry
- Citometry
- Granulometry
- Analysis of molecular interactions
- Cryo-Electron Microscopy
- Separation Techniques

More info: Tel: +34 934 037 006 / projectmanager-cnag@pcb.ub.cat

**Technological services offered by the Institute for Research in Biomedicine (IRB-Barcelona)**

IRB Barcelona is an independent and non-profit research institution engaged in basic and applied biomedical research. Its aim is to contribute to the improvement of the quality of life through the application of advances in this field.

The biomedical research carried out by groups at IRB Barcelona is supported by a broad network of scientific services that provide advanced technologies and platforms for research, some of which are of high-performance:

- Advanced Digital Microscopy
- Biostatistics/Bioinformatics
- Functional Genomics
- Histology Service
- Protein expression
- Mass spectrometry
- Mutant mice
- Drosophila injection service

More info: Tel: +34 934 037 118 / jorge.dominguez@irbbarcelona.org

**Technological services offered by the Institute for Bioengineering of Catalonia (IBEC)**

The Nanotechnology Platform is an infrastructure for academic and industrial researchers, which provides services in the fields of nanoscience and nanotechnology. It has a 10,000 class clean room with scientific-technical equipment to fabricate and analyse structures of sizes ranging from millimetres to several nanometers.

More info: Tel: +34 934 020 184 / nanotechnology@ibecbarcelona.eu

**Technological services offered by the Centres Científics i Tecnològics (CCiTUB)**

The CCiTUB provides services of analysis, methodological development and technological assessment in three main areas: Chemistry, Materials and Biosciences. Units located in the Park:

- Genomics
- Bioinformatics
- Nuclear Magnetic Resonance
- Polymorphism and Calorimetry
- Citometry
- Granulometry
- Analysis of molecular interactions
- Cryo-Electron Microscopy
- Separation Techniques

More info: Tel: +34 934 021 596 / ccitubrekat@ccit.ub.edu

**Technological services offered by the Institute of Cosmos Sciences of the University of Barcelona (ICCUB)**

The ICCUB Technology Unit provides services to public institutions and industry. The most outstanding services and equipment that it offers are:

- 3D printing system
- Electronic instrumentation laboratory
- PCB assembly laboratory
- Development of electronic instrumentation
- Electromagnetic compatibility pre-certification
- Climate chamber: tests and temperature cycles
- Drying system and vacuum packaging of electronic systems
- Computing

Els clients instal·lats gaudeixen de descomptes especials.