Parc Científic de Barcelona
UNIVERSITAT DE BARCELONA
Parc Científic de Barcelona
Clúster II - Torres R+D+I
where science becomes business
www.pcb.ub.edu
ENG

A cluster of excellence dedicated to research and knowledge transfer

The companies based at the Barcelona Science Park (PCB) enjoy an ideal setting dedicated to the generation, transfer and acquisition of value in various areas of knowledge, mainly in the life sciences. Together with the R&D centres, they make up a powerful cluster that facilitates the creation and transfer of knowledge.

The PCB community is composed of more than 3,000 researchers, entrepreneurs and professionals from the health sector; pharma, biotech, medical devices, cosmetic and nutrition. More than 100 entities are stablished at the PCB comprising key public research centres, large multinational companies, small and medium-sized companies, start-ups, units of the University of Barcelona and other non-profit organisations.

Companies

Research centres

cnag
centre nacional d'anàlisi genòmica
centro nacional de análisis genómico

CRG Centre for Genomic Regulation

gRR Grup de Recerca de Reumatologia

IRB BARCELONA
INSTITUTE FOR RESEARCH IN BIOMEDICINE

IBEC
Institute for Bioengineering of Catalonia

ibmb
Institut de Biologia Molecular de Barcelona
CSIC

ICCUB

Non-profit organizations

ACER

biocat

CataloniaBio & HealthTech
Connecting companies

eit Health

europeG IEB
Institut d'Economia de Barcelona

EUROPEAN FEDERATION OF BIOTECHNOLOGY

DTI

FUNDACIÓ FCBARCELONA

FUNDACIÓ GAEM
Grup d'Afectats d'Esclerosi Múltiple

LEITAT Technological Center
managing your technologies
member of TECNIO

University of Barcelona groups, units and services

CCiTUB
Centres Científics i Tecnològics
UNIVERSITAT DE BARCELONA

IBUB
Institut de Biomedicina de la Universitat de Barcelona

Bosch i Gimpera
UNIVERSITAT DE BARCELONA

- Biomolecular NMR
- Metabolic Dynamics in Cancer
- Microbial Biotechnology and host-pathogen interaction
- Macrophage Biology Group
- Patents Center
- Translational Immunology Group

Associated entities

arian international

AVX PHARMA

BRUKER

Biotechnology Business Institute

Dutscher IBERICA

eurofins BioPharma Product Testing

fiN Fundació per a la Investigació Nutricional

Funseam Fundación para la Sostenibilidad Energética y Ambiental

GATE2BRAIN Medicines beyond barriers

G&L SCIENTIFIC

Hemostatics

Mosaic Biomedicals

Northern Biologics

Ninevah

PangaeaBiotech s.a.

Pharmaphenix

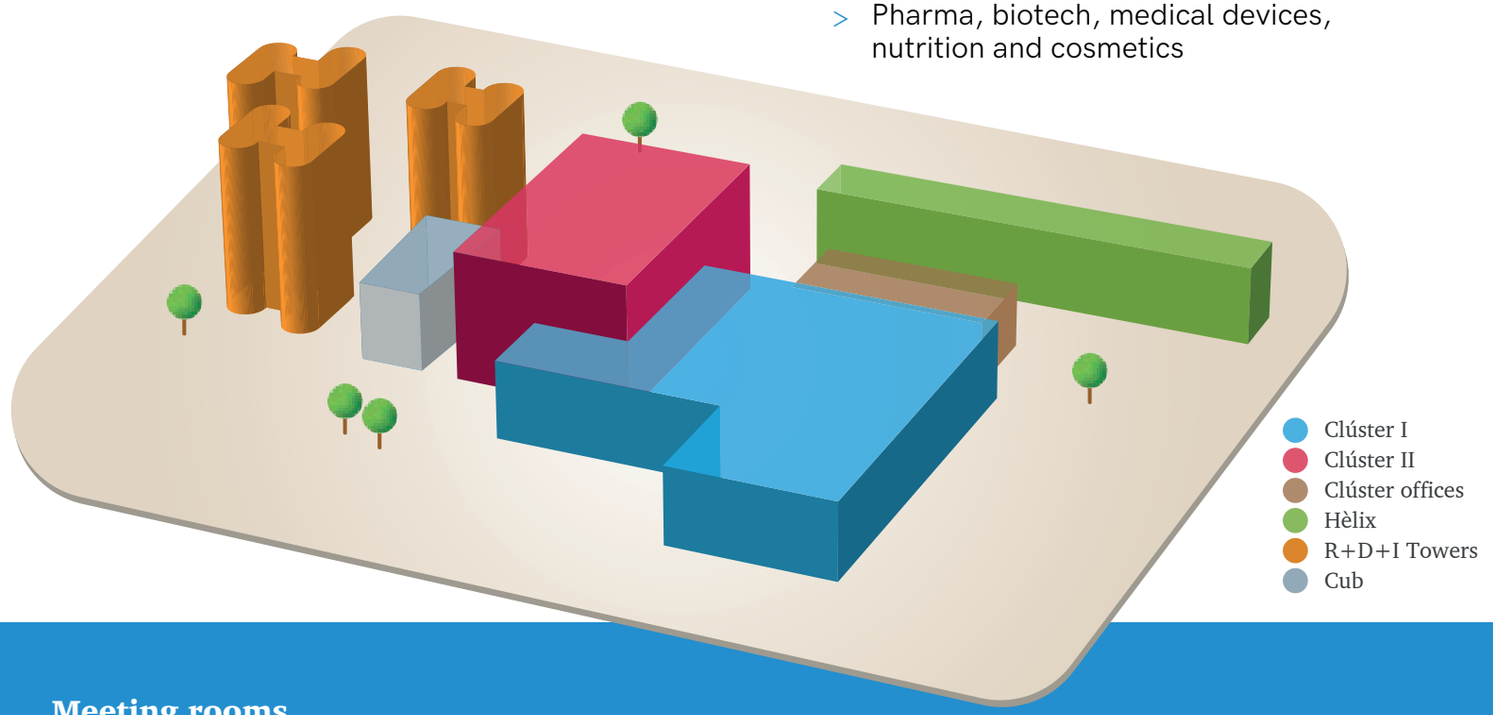
Recipharm good for business

The PCB

- 22.000 m² of laboratories
- 10.000 m² of office space
- 5.000 m² dedicated to scientific services
- Management of general services
- Strategic location in the city of Barcelona

The PCB Community

- More than 100 organisations
- 6 research centres
- More than 90 companies
- More than 20 foundations, associations and other organisations
- More than 3,000 professionals
- Pharma, biotech, medical devices, nutrition and cosmetics



Meeting rooms

Meetings rooms for 4 to 40 people

Quick meeting rooms

Antoni Caparrós Auditorium 140 people

Dolors Aleu Hall 120 people

Fèlix Serratosa room 70 persones

- Equipped with audiovisual equipment: Plasma screen or projector and computer
- Audiovisual technical support
- Online booking
- Catering service management

Offices and laboratories for rent

- Modular and flexible spaces for start-ups, companies, research centres and other organisations

Furnished offices from 10 m²

Laboratories equipped for biology, chemistry and medical devices from 50 m²

Catering

2 restaurants

Accommodate up to 300 diners at the same time

Vending machines

6 eating areas to enjoy your own food

Parking

- Monthly subsidised passes for PCB users
- Recharging for 11 electric cars and 2 electric motorcycles
- 24/7 security monitoring

512 parking spaces

14 adapted parking spaces

54 motorcycle parking spaces

21 bicycle parking spaces

The Shop

- Consumables for laboratory and office

Services

- Reception areas
- 24-hour security
- Cleaning
- Voice and data network
- Maintenance and repair
- Courier and post service
- Hire and cleaning of laboratory clothing
- Supply and management of technical gasses
- Reception and distribution of stock
- Waste disposal
- Occupational health and safety
- Works and improvements
- Communication

PCB community activities

With the aim of promoting interaction and collaboration between members of the community, the PCB regularly organises a range of activities, including: '**Train and connect**' (conferences, workshops, round tables, training workshops, etc.), '**Evenings at the PCB**' (leisure activities), '**Cocktail Connection**' (networking) and the **Ambassadors Programme**.

- 20 - 30 activities organised by the PCB every year
- 350 - 400 activities held at the PCB every year

Scientific and technological services

Common scientific services

Self-service scientific laboratories, equipment and infrastructure

- Cell culture rooms
- Stirrers-incubators at different temperatures
- Environmental chamber with stirring (37°C)
- Table-top centrifuges, high speed centrifuges and ultracentrifuges
- Spectroscopy equipment
- Histology equipment
- Microscopes
- Cold-storage: ultra-low freezers, liquid nitrogen and cold rooms
- Equipped darkrooms for film development
- General equipment rooms: balances, sonicators, autoclaves, concentrators, etc.
- Protein purification service
- Cleaning and sterilisation of laboratory material

- **Radioactive facility**
- **Drosophila**
- **Chemistry room**
- **Special reactions service**

Technological platforms

Animal facility

- Management of your animal care and accommodation centres to offer a benchmark research platform, with live models, in three extensive lines: management and maintenance of animal models, contract research projects and design and generation of new models and experimental paradigms. Over 3,000 m² located in the PCB: 2 SPF animal houses for rodents (mouse, rat, hamster and guinea pig), 1 animal house for aquatic models (Xenopus laevis).

Proteomic Platform

- Consultation and technology to carry out studies ranging from the identification and characterisation of small- or large-scale protein post-translational modifications, to the quantitative analysis of their level of expression. The platform also offers services for the quantification of metabolites, ADME and PK using mass spectrometry (MS/MS).

Toxicology platform

- A range of experimental services, including in vivo and in vitro toxicology, ecotoxicology, ADMET/pharmacokinetics and microbiology, analytical measurements, expert and safety reports, and consultation for research, development and risk assessment for different products and sectors. GLP certification for performing toxicology and ecotoxicology studies with medicines (human and veterinary use), as well as studies of medical devices and personal hygiene and cosmetic products.

Scientific and technological offer of other entities located in the PCB

CNAG-CRG (National Genome Analysis Centre)

- Identification of germline and somatic mutations (WGS, WES or Target-Seq)
- De novo genome and transcriptome assembly (Long-read Sequencing)
- Analysis of expression profiles (RNA-Seq and Small RNA-Seq)
- Epigenome analysis (WGBS, WGoxBS or Target Methyl-Seq)
- 3D genome structure analysis (HiC)
- Individual cell analysis (scRNA-Seq and scATAC-Seq)
- Metagenomic studies (WGS, 16S, 18S)
- DNA-protein interaction studies (ChIP-Seq)

IRB Barcelona (Institute for Research in Biomedicine)

- Advanced digital microscopy
- Biostatistics / Bioinformatics
- Functional genomics
- Histopathology
- Protein expression
- Mass spectrometry and proteomics
- Mouse Mutant
- Drosophila injection service

IBEC (Institute for Bioengineering of Catalonia)

- UV, laser and e-beam lithography for the generation of micro and nano structures
- Chrome mask manufacturing service
- 3D printing of sub-millimetre structures
- Raw layer storage service
- Morphological and topographic analyses by optical microscopy and profilometry
- Characterisation of wettability of surfaces using contact angle measurements
- Characterisation of samples by scanning electron microscopy (SEM) (including preparation of samples)
- Characterisation of samples by confocal microscopy

IBMB-CSIC (Molecular Biology Institute of Barcelona)

- Protein purification service
- X-ray crystallography platform
- Animal House for Antibody Production
- Advanced fluorescence microscopy

CCiTUB (UB scientific and technological centres)

- Genomics
- Bioinformatics
- Magnetic resonance imaging
- Polymorphism and calorimetry
- Cytometry
- Granulometry
- Molecular interaction analysis
- Cryo-electron microscopy
- Separation techniques

ICCUB (Institute of Cosmos Sciences)

- 3D printing system
- Laboratories with electronic instrumentation
- PCB set-up laboratories
- Development of electronic instrumentation
- Pre-certification of electromagnetic compatibility
- Environmental chamber: temperature trials and cycles
- Drying and vacuum packing service for electronic systems
- IT

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