Barcelona Science Park a community to promote research, knowledge transfer and innovation
Context ✶ Catalunya, a dynamic and innovative region

<table>
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<tr>
<th>DYNAMIC ECONOMY</th>
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<td>Area: 32.106 km²</td>
<td>Population: 7.5 millions (2018)</td>
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<td>70.800 M€ in exports (2017)</td>
<td>84.883 M€ in imports (2017)</td>
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<th>OPEN AND GLOBAL</th>
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<th>INNOVATIVE</th>
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<td>9.282 innovative companies (2016)</td>
<td>1,46% from GDP to R+D (2016)</td>
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<td>1% of the world scientific production (2016)</td>
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Source: IDESCAT, Biocat

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Context ▶ The BioRegion, a powerful ecosystem of life sciences

![Graph showing the number of companies and organizations in various sectors within the BioRegion.]

- **Companies**
  - Biotech: 249
  - Supplier & Engineering: 218
  - Professional Services: 144
  - Healthtech: 91
  - Medtech (R&D): 89
  - Pharma: 51
  - Research Centers: 41
  - Investment Entities: 29
  - University Hospitals (Out of 104 hospitals): 18
  - Science & Technology Parks: 14
  - Universities (Offering life sciences studies): 12
  - Technology Centers: 7
  - Large Scale Facilities: 3

- **Organizations**
  - Total: 871

Source: Biocat 2016

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Barcelona Science Park

MISSION
To promote research, knowledge transfer and innovation in the public and private sectors via smart space, technology and relations management as well as PCB discourse.

VISION
To become the international benchmark in public/private research to enhance Catalonia’s role as a scientific leader, its economic growth and its potential to attract talent.
Origins and governance

The PCB was promoted by the University of Barcelona in the early 90’s and it was **founded in 1997**. It was the first science park created in Spain.

The PCB is a foundation whose board of trustees includes the following institutions:

- University of Barcelona
- Government of Catalonia
- Barcelona City Council
- BBVA – Banco Bilbao Vizcaya Argentaria
- Fundació Bosch i Gimpera
- Consejo Superior de Investigaciones Científicas (CSIC)
- Banco Santander
The UB in figures

Studies
16 faculties
9 affiliated centres
73 EHEA bachelor's degree courses
153 university master's degree courses
48 doctoral programs
689 UB-specific master's degree courses and postgraduate diplomas
64 university extension courses
597 lifelong learning courses (IL3-UB)

Students
62,995 students, combining
• 42,377 bachelor's degree and pre-EHEA and diploma students,
• 5,662 university master's degree students
• 4,714 PhD students
• And other
10,242 diploma and undergraduate degree holders and doctors

Source: The UB in figures, September 2018
The UB in international ranking tables:

- UB is one of the best 200 universities in the world according to the ARWU 2018 (152nd position). UB is among the best universities in 38 out of 54 subject areas of the Shanghai Ranking’s Global Ranking of Academic Subjects 2018, highlighting in Human Biology, in 48th place worldwide.

- The University of Barcelona is one of the 50 best universities in the world in the disciplines of Anatomy and Physiology (position 21), Archeology (33), Philosophy (46) and Education (49), according to the new edition of the QS World University Rankings 2018 by Subject.

- The University of Barcelona is among the 100 most innovative universities in Europe (position number 69 at European level), Reuters classification, June 2018.

Source: The UB in figures, September 2018
A strategic location

Barcelona Knowledge Campus (UB-UPC)
The PCB’s buildings

Services Building
2011-2012

Clúster II Building
2012

Clúster I Building
1999-2004

Tower I
2009

Tower D
1999

Tower R
2009

C/ Baldiri Reixac

Hèlix Building
2007-2008

Avda. Dr. Marañon

C/ Josep Samitier

59,723 sqm in use

- 37.5% general services and infrastructure
- 34.4% laboratories
- 15.3% offices
- 10.8% scientific services

21,727 sqm of laboratories

9,121 sqm of offices

6,457 sqm of scientific services

22,418 sqm of general services and infrastructure

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The PCB Community

- More than 60 established companies and 9 associated companies
- 6 research institutes:
  - Institut de Recerca Biomèdica de Barcelona (IRB)
  - Institut de Bioenginyeria de Catalunya (IBEC)
  - Institut de Biologia Molecular de Barcelona (IBMB-CSIC)
  - Centro Nacional de Análisis Genómico
  - Institut de Ciències del Cosmos (ICUUB)
  - Grup de Recerca de Reumatologia (Vall d'Hebrón)
- 10 non-profit organizations (established and associated)
- 11 units and services of the University of Barcelona

A community of around
**100 entities and 2,700 people**
Established companies
R&D centers and other entities

R&D centres
- cnag
- GRG
- Grup de Recerca de Reumatologia
- IRB Barcelona
- IBEC
- IBMB
- Institute for Bioengineering of Catalonia
- CSIC
- ICCUB

Non-profit organizations
- ACER
- biocat
- CataloniaBio & HealthTech
- eit Health
- europe IEB
- European Federation of Biotechnology
- DTI
- FUNDACIÓ FCBARCELONA
- FUNDACIÓ GAEM
- LEITAT Technological Center

University of Barcelona groups, units and services
- Universitat de Barcelona
  - Biomolecular NMR
  - Developmental Neurobiology and Cell Regeneration Group
  - Microbial Biotechnology and host-pathogen interaction
  - Macrophage Biology Group
  - Patents Center
  - Research Group on Marine Geosciences
  - Translational Immunology Group

Associated entities
- Arian
- AsDerCo
- BSG
- Bruker
- eurofins
- Parc Científic de Barcelona

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Laboratories, offices and singular spaces
A wide range of scientific services

Core scientific services
- Cellular culture rooms
- Centrifuges, centrifuges high speed and ultracentrifuges
- Spectroscopy Equipment
- Histology Equipment
- Microscopes
- Freezers
- Protein purification service
- Storage in liquid nitrogen
- Dark rooms

Technological platforms
- PCB-PRBB Animal Facility
- Proteomic Platform
- Combinatorial Chemistry Platform
- Unit of Experimental Toxicology and Ecotoxicology

Scientific services on offer from Research centers at the PCB
- Centre Nacional d’Anàlisi Genòmica (CNAG-CRG)
- Institute for Research in Biomedicine (IRB Barcelona)
- Institute for Bioengineering of Catalonia (IBEC)
- Molecular Biology Institute of Barcelona (IBMB-CSIC)
- University of Barcelona Science and Technology Centers (CCiT-UB)
- Institute of Cosmos Sciences of the University of Barcelona (ICCUB)

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Connecting the PCB Community

- Strategic information on new developments in innovative sectors
- *Networking* professional activities
  - Cocktail Connection
  - Networking & Innovation Day
  - Conferences
  - Debates & Training activities
  - Fairs and congresses

- Activities and spaces to strengthen the informal relationships
  - Leisure facilities
  - Special days: Sant Jordi, Christmas...
  - Reading areas and book exchange
  - ...

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We bring research and innovation to society

- More than 4,500 people participate each year in our science dissemination programs
- Each year we organize more than 80 experimental workshops for elementary and secondary education students
- More than 160 research groups and almost 20,000 people have participated in the 15 editions of the ‘Recerca en Directe’ fair
- We coordinate tutorials of high school students research projects and we also promote university students practices at the PCB laboratories (*Passa l’estiu al Parc*)

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