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

<table>
<thead>
<tr>
<th>DYNAMIC ECONOMY</th>
<th>OPEN AND GLOBAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area: 32.106 km²</td>
<td></td>
</tr>
<tr>
<td>Population: 7.4 millions (2014)</td>
<td></td>
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<tr>
<td>GDP: 209.282 M€ (2014)</td>
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<tr>
<td>GDP per capita: 28.181 €/year (2014)</td>
<td></td>
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<tr>
<td>Companies: 586.443 (2014)</td>
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<tr>
<td>18.3 millions of tourists/year (2014)</td>
<td></td>
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<tr>
<td>60.200 M€ in exports (2014)</td>
<td></td>
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<tr>
<td>71.900 M€ in imports (2014)</td>
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<tr>
<td>5.708 foreign companies (2014)</td>
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<tr>
<td>3.850 millions in foreign invests (2013)</td>
<td></td>
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<tr>
<td>8.206 innovative companies (2014)</td>
<td></td>
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<tr>
<td>1.5% from GDP to R+D (2014)</td>
<td></td>
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<tr>
<td>1% of the world scientific production (2014)</td>
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</tbody>
</table>

In relation to Spain...

- Territory: 6%
- Population: 16%
- GDP: 20%
- Industry: 21%
- Innovative companies: 22%
- Foreign Trade: 25%
- Tourism: 28%
- Foreign Companies: 41%
Context  The BioRegion, a powerful ecosystem of life sciences

- **734 Companies**
- **89 Research Organizations**

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biotech</td>
<td>221</td>
</tr>
<tr>
<td>Pharma</td>
<td>46</td>
</tr>
<tr>
<td>Medtech (R&amp;D)</td>
<td>94</td>
</tr>
<tr>
<td>Supplier &amp; Engineering</td>
<td>208</td>
</tr>
<tr>
<td>Professional Services</td>
<td>139</td>
</tr>
<tr>
<td>Investment Entities</td>
<td>26</td>
</tr>
<tr>
<td>Research Centers</td>
<td>41</td>
</tr>
<tr>
<td>University Hospitals (out of 101 hospitals)</td>
<td>15</td>
</tr>
<tr>
<td>Universities (offering life sciences studies)</td>
<td>11</td>
</tr>
<tr>
<td>Science &amp; Technology Parks</td>
<td>13</td>
</tr>
<tr>
<td>Technology Centers</td>
<td>7</td>
</tr>
<tr>
<td>Large Facilities</td>
<td>2</td>
</tr>
</tbody>
</table>

Source: Biocat Directory, September, 2015
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
- Fundació Bosch i Gimpera
- Consejo Superior de Investigaciones Científicas (CSIC)
- CatalunyaCaixa
- Banco Santander

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The UB in figures

Studies
16 faculties and 1 University school (* in reorganisation process)
8 affiliated centres
73 EHEA bachelor's degree courses
144 university master's degree courses
48 doctoral programs
654 UB-specific master's degree courses and postgraduate diplomas
97 university extension courses
599 lifelong learning courses (IL3-UB)

Students
65,643 students, combining
• 44,420 bachelor's degree and pre-EHEA and diploma students,
• 4,865 university master's degree students
• 4,695 PhD students
• And other
10,281 diploma and undergraduate degree holders and doctors

Source: The UB in figures, September 2016
The UB research in figures 2016

The UB in international ranking tables:

- UB is one of the best 200 universities in the world according to the ARWU 2016. One of the top 75 in Medicine and Pharmacy, one of the top 200 in Sciences and Life Sciences and it outstands in Chemistry (it is one of the top 150 universities) and in Physics (in the top 200).
- UB is among the top 200 universities in 16 out of 42 subject areas of the QS World University Rankings 2016 by Subject.
- UB tops the Rankings I-UGR 2014 of Spanish Universities according to Fields and Scientific Disciplines.
- The University of Barcelona, among the 100 most innovative universities in Europe (the 65th position at a European level, Reuters ranking, June 2016).

Source: The UB in figures, September 2016

www.pcb.ub.edu
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

59,723 sqm in use

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

- 21,727 sqm of laboratories
- 9,121 sqm of offices
- 6,457 sqm of scientific services
- 22,418 sqm of general services and infrastructure
Laboratories, offices and singular spaces
The PCB Community

- More than 60 established companies and 10 associated companies
- 4 research institutes:
  - Institut de Recerca Biomèdica de Barcelona (IRB)
  - Institut de Bioenginyeria de Catalunya (IBEC)
  - Institut de Biologia Molecular de Barcelona (IBMB-CSIC)
  - Centre Nacional d’Anàlisi Genòmica (CNAG-CRG)
- 11 non-profit organizations (established and associated)
- 13 units and services of the University of Barcelona

A community of around
100 entities and 2,700 people

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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)

Climate chambers at 37ºC
Cold chambers
Cleaning and purification services
Drosophila
Radioactive facilities
Chemistry common room
Special Reactions service
Storage in liquid nitrogen
Established companies
R&D centers and other entities

**R&D centres**
- cnag
- CRG
- IRB Barcelona
- IBEC
- IBMB
- CSIC

**Non-profit organizations**
- ACER
- biocat
- CataloniaBio
- eit Health
- Europe
- EBB
- Fundació Generalitat de Catalunya
- GAEM
- GRR
- LEITAT

**University of Barcelona groups, units and services**
- International Research Projects Office
- Microbial Biotechnology and host-pathogen interaction
- Macrophage Biology Group
- Patents Center
- Research Group on Marine Geosciences
- Translational Immunology Group

**Associated entities**
- arian
- AsDerCo
- azierta
- BSG
- BioCHEMIZE
- Bruker
- euresfs
- Parc Científic de Barcelona
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
  - …
We bring the research and innovation to the 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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