An active community to promote research, knowledge transfer and innovation
### Catalunya: Innovation, entrepreneurship and network thinking

<table>
<thead>
<tr>
<th><strong>DYNAMIC ECONOMY</strong></th>
<th><strong>LIFE SCIENCES AND HEALTH CARE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>▪ Area: 32.106 km$^2$</td>
<td>▪ 8.7% of Catalonia's GDP (4.25% industrial subsector and 4.56% health services) (2022)</td>
</tr>
<tr>
<td>▪ GDP: 224.198 M€ (2021)</td>
<td>▪ 247.000 jobs (2022)</td>
</tr>
<tr>
<td>▪ GDP per capita: 31.510 €/year (2021)</td>
<td>▪ It employs 7% of the employed population (2025)</td>
</tr>
<tr>
<td>▪ Companies: 630.474 (2021)</td>
<td>▪ 91 research institutes and more than 1.350 companies (2022)</td>
</tr>
</tbody>
</table>

### RAISED FUNDS

| 445 M€ raised in 2022 (75% from venture capital companies) |

Source: Idescat, Biocat, CataloniaBIO & Healthtech
Catalunya: Innovation, entrepreneurship and network thinking

Snapshot of Startup in the BioRegion (M€) (2015-2021)

Source: Informe Biocat 2022

- Megaround Impress (122 M€)
- VC/PE (M€)
- Grants (M€)
- Stock market (M€)
- Crowdequity (M€)
- Venture Debt

2018: 112 M€
- Venture Debt: 27.8 M€
- Crowdequity (M€): 63.3 M€
- VC/PE (M€): 24.6 M€
- Grants (M€): 3.1 M€
- Stock market (M€): 1.8 M€

2019: 123 M€
- Venture Debt: 24.6 M€
- Crowdequity (M€): 59.4 M€
- VC/PE (M€): 31.3 M€
- Grants (M€): 7.7 M€
- Stock market (M€): 18 M€

2020: 226 M€
- Venture Debt: 26 M€
- Crowdequity (M€): 140.2 M€
- VC/PE (M€): 30.9 M€
- Grants (M€): 20 M€
- Stock market (M€): 25 M€

2021: 238 M€
- Venture Debt: 13.7 M€
- Crowdequity (M€): 187.4 M€
- VC/PE (M€): 26.5 M€
- Grants (M€): 10 M€
- Stock market (M€): 20 M€

2022: 445 M€
- Venture Debt: 8.7 M€
- Crowdequity (M€): 343.4 M€
- VC/PE (M€): 53.1 M€
- Grants (M€): 20 M€
- Stock market (M€): 35 M€

Source: Informe Biocat 2022
The BioRegion of Catalunya: Agents of the ecosystem

+1,350 companies

- Biotech: 348
- Pharma: 126
- Medtech: 228
- Digital Health: 202
- Professional Services & Consulting: 200
- Suppliers: 180

95 research institutes

- Investors: 50
- Research Centers: 41
- University Hospitals: 19
- Science & Technology Parks: 14
- Universities: 12
- Large Infrastructures: 3
- Technology Centers: 2

Source: Informe Biocat 2022
The UB in figures

### Academic offer
- 16 faculties
- 72 degrees
- 10 affiliated centers
- 170 university master's degrees
- 46 doctoral programs
- 621 own master's and postgraduate degrees
- 741 continuous training courses (IL3-UB)

### Students and researchers in training
- 62,054 students:
  - 41,540 degrees
  - 5,318 university master's degrees
  - 10,189 postgraduate
  - 5,007 researchers in training

### R&D
- 192 M € research funds raised
- 604 doctoral theses read (provisional data)
- 7,876 scientific publications
- 1,029 active research projects
- 22 projects awarded by the Horizon 2020 program
- 104 patents applied for
- 697 contracts of the Bosch i Gimpera Foundation

The UB is the only Spanish university that is a member of the League of European Research Universities. Many external international institutions recognize the leadership of the UB and place it in leading positions in the most prestigious rankings: according to the Academic Ranking of World Universities, the University of QS World University, the Times Higher Education World University Rankings and the Center for World University Rankings, the UB is one of the 200 best universities in the world.

The UB is one of the best universities in the world in 35 of the 54 scientific areas analyzed by the Shanghai Ranking Global Ranking of Academic Subjects 2021. In 8 of the subjects analyzed, the UB is among the 100 best in the world and is ranked 45 worldwide in clinical medicine.

Source: La UB en xifres 2021
Barcelona Science Park

- The creation of the PCB was promoted by the University of Barcelona in the early 90s and the park was founded in 1997.
- The PCB is a foundation, in its Board of Trustees there are the following institutions:
  - University of Barcelona
  - Generalitat de Catalunya
  - Ayuntamiento de Barcelona
  - Fundació Bosch i Gimpera
  - Consejo Superior de Investigaciones Científicas (CSIC)

**Mission:**
Promote research, knowledge transfer and innovation in the public and private sector, through intelligent management of spaces, the technological offer and the relations and dialogue of the Parc Community.

**Vision:**
To become a public-private research community of international reference for the benefit of the scientific leadership of Catalonia, its economic growth and the attraction of talent.

**Values:**
Communication, Commitment, Responsibility, Passion, Teamwork
Buildings

The Park offers 33,000m² useful office and laboratory space for users

Parc Científic de Barcelona

- 7 buildings
- 22,038m² of laboratories
- 10,904m² of offices
- 4,986m² for scientific services
- 2 restaurants
- 1 parking
- 3 outside areas
- 15 meeting rooms
- 3 conference rooms
Laboratories, offices and unique spaces

Laboratories

Offices

Conference and networking spaces

Meeting rooms, courses and seminars
Wide range of scientific services

Self-service-based equipment and facilities

- 1.370m² of fully-equipped laboratory space on a self-service basis 24/7/365.
- Online equipment booking.
- Clean rooms: primary cultures, cell lines, yeast cultures and bacterial cultures.
- Centrifuge rooms: Benchtop, High speed/high capacity, ultracentrifuges and shaker incubators.
- Climatic chamber (37ºC) with shaking platforms.
- Cold chambers, ultrafreezers and cryotanks.
- Histology room.
- Rooms with spectroscopic equipment.
- Microscopy rooms.
- Dark rooms.
- Protein purification equipment laboratory.
- Cleaning and sterilisation service.

Animal facility

2.600 m² zoological core to offer benchmark services and facilities in research with live models. The animal facility assesses, designs and develops projects for third parties in the areas of biomedicine and biotechnology.

Other scientific infrastructure in the Parc
The PCB Community

3.500 Professionals

+ de 125 Entities

More than 100 Companies

7 research centres
- Institute for Research in Biomedicine (IRB)
- Institute for Bioengineering of Catalonia (IBEC)
- Molecular Biology Institute of Barcelona (IBMB-CSIC)
- National Center for Genomic Analysis (CNAG)
- Institute of Cosmos Sciences (ICCUB)
- Rheumatology Research Group (Vall d’Hebrón)
- VIH-AIDS unity (Hospital Clínic)

10 Non-profit entities

7 Groups, units and services of the University of Barcelona
## BIOTECHNOLOGY - THERAPEUTICS AND DIAGNOSTICS
- AELIX
- ALTIUS
- BIOLIQUID
- DEEPULL
- ENDOR
- GAIN THERAPEUTICS
- GATBIO
- GATTX

## MEDICAL TECHNOLOGY
- BioPharma
- MiComics
- Som
- SPLICEBIO
- Syna Therapeutics

## PHARMA
- AVX PHARMA
- Exostatics
- GATE2BRAIN
- Hemostatics
- Oncohopes
- Prog Institute

## COSMETICS
- ALGAKTIV
- Bicosome
- Greenatel Tech
- Infinitec
- Bodyverse

## FOOD
- FARMAPROJECTS
- INTRACAT
- ORDESA

## DIGITAL HEALTH
- KUMUX
- EVERAI

## BIOTECHNOLOGY - R&D SERVICES
- Biogineering
- Chemotargets
- COMPLiFE
- CyteS
- DeKapenta Labs
- DRAGEN
- Embryostocks
- PharmaH

## SUPPLIER & ENGINEERING
- Air Tech Group
- ALTHEA
- BioLab
- Brucker
- Duscher

## OTHERS
- clavecapital
- sugin
- LABIN

## PROFESSIONAL SERVICES AND CONSULTING
- GenesiS
- Arianova
- UNIMPO
Research Centers and other entities

Research centres
- Clínic Barcelona
- cnag
- ICCUB
- IBEC
- ibmb
- IRB Barcelona
- Vall d’Hebron

Non-profit organizations
- ACER
- biocat
- CataloniaBio & HealthTech
- eit Health
- europe
- fi
- DTI
- FUNDACIÓN GAEM
- icloby
- LEITAT
- Welab

University of Barcelona groups, units and services
- CCiTUB
- Bosch i Gimpera
- - Biomolecular NMR
- - Metabolic Dynamics in Cancer
- - Macrophage Biology Group
- - Translational Immunology Group
Revitalization of the PCB Community

Networking
- Coffee Connection
- Influencers
- PCBakers
- PCBeers

Training
- Acts, conferences and workshops: scientific, financial, entrepreneurship and legal

Leisure
- Yoga
- Physiotherapy
- Children Science

Sustainability
- Car pooling

Contests
- Photo contest ‘One day at the PCB’
### Research in Society

- > 6,500 annual participants
- Students from 10 to 18 years old
- 20 years promoting vocations in science

#### Discover research!
Year 5 and 6 students

<table>
<thead>
<tr>
<th>Students</th>
<th>Teachers</th>
<th>Educational Centres</th>
<th>Activities</th>
<th>Workshop Themes</th>
</tr>
</thead>
<tbody>
<tr>
<td>872</td>
<td>61</td>
<td>21</td>
<td>35</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Do Research
Secondary, Baccalaureate and Vocational Training students

<table>
<thead>
<tr>
<th>Students</th>
<th>Teachers</th>
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<th>Activities</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1,100</td>
<td>89</td>
<td>53</td>
<td>43</td>
<td>8</td>
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</tbody>
</table>

#### Batx2Lab
40 tutored research projects

<table>
<thead>
<tr>
<th>Girls</th>
<th>Boys</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>15</td>
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</table>

<table>
<thead>
<tr>
<th>Research Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Women</th>
<th>Men</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>7</td>
</tr>
</tbody>
</table>
Fira Recerca en Directe!

The Fira Recerca en Directe! (19th edition) brings together a selection of 12 interdisciplinary research groups from all over Catalonia in a single space at the CosmoCaixa for 5 days. Both students (ESO, Baccalaureate and training courses), teachers, and the whole of society have the opportunity to speak face to face with the research staff and learn about the research that is currently being carried out throughout Catalonia and carry out small experiments.

- Students: 1,973
- Research staff: 105
- Teachers: 104
- Educational Centers: 41

Reimagine Science: Clinical Trials, Research, and Drugs

Following the success of the first edition of Reimagina la Ciència, alongside Novartis Farmaceutica and Big Van Ciencia, the Park has carried out the 3rd edition of this program that aims to help teachers implement in the classroom, through eLearning tools, concepts related to clinical trials.

- 1,750 participating students
- 52 educational centres
- 61 videos received
- 104 teachers
<table>
<thead>
<tr>
<th>Category</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Management</td>
<td>Maria Terrades</td>
</tr>
<tr>
<td>Human Resources</td>
<td>Ana Isabel López</td>
</tr>
<tr>
<td>Sales and Communication Management</td>
<td></td>
</tr>
<tr>
<td>Sales and Communication Management</td>
<td>Dra. Anna Serra</td>
</tr>
<tr>
<td>Facilities, General Services and Sustainability Management</td>
<td>Fernando Claver</td>
</tr>
<tr>
<td>Maintenance</td>
<td>Andrés Lara</td>
</tr>
<tr>
<td>Works</td>
<td>Anna Mezquita</td>
</tr>
<tr>
<td>Sustainability, Quality and Occupational Safety Area</td>
<td>Glòria Pladellorens</td>
</tr>
<tr>
<td>Receptions</td>
<td>Carme Mateo</td>
</tr>
<tr>
<td>Assistance to the Management</td>
<td></td>
</tr>
<tr>
<td>Carme Arenillas</td>
<td></td>
</tr>
<tr>
<td>Gemma Baladoch</td>
<td></td>
</tr>
<tr>
<td>Scientific Services Management</td>
<td>Montserrat de Luna</td>
</tr>
<tr>
<td>Animal Facility</td>
<td>Jesús González</td>
</tr>
<tr>
<td>Radioactive Facility</td>
<td>Dr. Agustí Munté</td>
</tr>
<tr>
<td>Core Scientific Services</td>
<td>Dra. Rosa María Debón</td>
</tr>
<tr>
<td>Purchasing Department</td>
<td>Neus Jiménez</td>
</tr>
<tr>
<td>Administration and Finance Management</td>
<td>Moisès Tarté</td>
</tr>
<tr>
<td>Legal Services Management</td>
<td>Mercè Alegre</td>
</tr>
<tr>
<td>Information and Telecommunications System Management</td>
<td>Laura Requena</td>
</tr>
<tr>
<td>Research in Society</td>
<td>Mercè Gómez</td>
</tr>
<tr>
<td>Clients</td>
<td>Silvia Cambra</td>
</tr>
<tr>
<td>Infrastructures, Telecommunications and Workstations</td>
<td>Miguel Ángel Moruno</td>
</tr>
<tr>
<td>Infrastructures, Telecommunications and Workstations</td>
<td>Laura Requena</td>
</tr>
<tr>
<td>Application and IT Architecture</td>
<td>Laura Requena</td>
</tr>
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<td>Infrastructures, Telecommunications and Workstations</td>
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