The University of Barcelona

The Welcome Course at the UB - January 31, 2018 – Aula Magna – Historic Building
The University of Barcelona

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Introduction to the University of Barcelona
Xavier Barril
Delegate of the Rector for Research Staff Policy
Vice-Rectorate for Research and Vice-Rectorate for Teaching and Research Staff
The UB: more than five centuries of history

- Founded in 1450
- With a large cultural, historical and architectural heritage
- Balances tradition and modernity
- It is the University from which the Catalan higher education system has grown
- Comprehensive university: almost any discipline except core engineering fields, architecture and veterinary
The UB as Institution

- Focuses on people
- Public and strongly research-oriented
- Stands out for its course offerings and teaching quality
- With social prestige and internationally recognized
- Plays a significant role in the economic and social development
- Promotes the values of solidarity, equality and cooperation
A university that is fully integrated in the City and in the metropolitan area

(*): Figures as of Dec. 2016
The UB in Figures

**Education**
- **60,000** students
- **11,000** international students
- **73** bachelor’s degrees
- **48** doctoral programs
- **4,890** doctoral students (**1,464** internat.)
- **1,130** doctoral theses read
- **150** masters
- **750** postgraduate courses
- **22** masters taught in English
- **500** online/on-site learning courses


**Staff**
- **5,715** teaching and research
  - (250 international)
- **2,255** administrative and technical

**Structures**
- **16** faculties
- **6** city campuses
- **17** libraries
- **17 UB research institutes**
- **11** observatories
Academic Offer: courses in almost all areas of knowledge

- Medicine, biomedicine and health-related fields
- Economics, business and law
- Environmental Sciences
- Nanotechnology
- Food, nutrition and gastronomy
- Humanities and languages
- Education and psychology
- Audiovisual design and cinematography
- Sports and sports science
- Fine arts
The UB steadily strengthens its position in the international university rankings.

- **201 of 250** World University Rankings
- **156** QS World University Ranking
- **201 of 300** Academic Ranking of World Universities
- **86** Best Global Universities
- **64** National Taiwan University Ranking
- **103** Center for World University Ranking
- **59** UI GreenMetric World University Ranking
- The UB is **one of the 25** universities worldwide with over 400 years of history (Times Higher Education World University Rankings)
International university rankings: by Subject Area and Fields

Academic Ranking of World Universities:
- **51 of 75** in Clinical Medicine and Pharmacy
- **101-150** in Natural Sciences and Mathematics
- **151-200** in Life and Agriculture Sciences

QS World University Rankings:
- **62** in Natural Sciences
- **87** in Life Sciences and Medicine
- **129** in Social Sciences

From the **36** subject areas, in **27** the UB stands out among the top 200 universities in the world

UB Research in figures

The UB leads the scientific production in the Catalan university system and is also the top university in Spain and Latin America in the international rankings.

UB Research Assets:

- 323 consolidated research groups recognised by the Catalan Government
- 997 active research projects
- 5,381 scientific articles (ISI data)
- High proportion of doctoral students vs University degree students (>10%)

**UB Research – Funding**

More than €100.3 Million of research funds obtained in competitive and non-competitive calls, during 2016 *

97 projects granted in the EU Horizon 2020 programme with a total funding worth more than €38 Million**.

27 projects funded by the European Research Council since its creation in 2007.


(**) As of January 2018
Research-intensive
The UB is the only university in Spain that belongs to the prestigious League of European Research Universities.

HR Excellence in Research
The UB obtained in 2015 the HR Excellence in Research, an accreditation conferred by the Directorate-General for Research and Innovation of the European Commission.

The award recognizes the institutional effort to improve policies and practices in terms of:
- recruitment,
- hiring and
- general working conditions for its researchers.
The Scientific and Technological Centers (CCiT-UB)

- To support research and innovation in the areas of chemistry, materials sciences and biosciences.
- State-of-the-art equipments and expert Staff.
- To develop active methodological research.
- To enforce the university-industry relationships.
- To promote innovation and technological transfer by participating in agreements and R+D+i projects with industry.
- To offer training courses and workshops regularly.
- The CCiT are involved as partners in different European and International Infrastructure Networks.

36 Technical Units

12,000 m2 of lab space Located at 4 UB Campuses

Staff: 170 people (technicians and management staff)

www.ccit.ub.edu
Technology and knowledge transfer

Bosch i Gimpera
UNIVERSITAT DE BARCELONA

The University’s centre for the transfer of knowledge, technology and innovation.

Annual income > €42 Million in contracts.
1,947 active projects
733 companies and institution in collaboration

In 2016

726 contracts
12 priority-patent applications
17 international patent extensions
38 patents at a national phase abroad
95 active transfer projects

53 announcement of inventions
22 ideas on company creation
41 projects assessed
4 technology-based companies
1 new companies (via CIC-UB)

Technology and knowledge transfer

Parc Científic de Barcelona

- Over 2,500 R&D professionals on-site
- About 100 companies and other organisations
- 5 R&D Centres:
  - 4 research institutes (IBEC, IRB, IBMB-CSIC, ICC-UB)
  - National Centre for Genomic Analysis (CNAG)
- Scientific and Technological Services

Promoting scientific culture: More than 4,500 participants in over 120 activities
Organisation of the Research

**Research Groups**
Research teams bring together several researchers who collaborate in the development of common lines of research and with shared funding.

**Departments**
Organs in charge of coordinating teaching and supporting teachers' teaching activities and initiatives.

**Institutes, Research Centers and Observatories**
Promote and organize interdisciplinary and specialized research activities in different fields of science, technology and the arts.

**Vice-Rectorates**
The research competences are assigned to 3 Vice-Rectorates: VR of Research, VR for Doctoral Studies and Research Promotion and VR for Outreach and Internationalization.

**Research Committee**
The Research Committee is the body that tracks the research and knowledge transfer activities of the University of Barcelona.

**Ethics and Research**
Institutional and professional commitment in taking care about the ethical implications underlying research in different branches of knowledge.

It is in charge of ensuring the proper coordination among the different entities / units that carry out their activity in the field of research.
17 Research Institutes UB

Institut de Ciències del Cosmos
UNIVERSITAT DE BARCELONA

Institut de Matemàtica
UNIVERSITAT DE BARCELONA

Institut de Neurociències
UNIVERSITAT DE BARCELONA

Institut de Recerca de l’Aigua (IdRA)
UNIVERSITAT DE BARCELONA

Institut de Nanociència
i Nanotecnologia
UNIVERSITAT DE BARCELONA

Institut de Química Teòrica
i Computacional
UNIVERSITAT DE BARCELONA

Institut de Recerca Geomodels
UNIVERSITAT DE BARCELONA

Institut del Pròxim Orient Antic
UNIVERSITAT DE BARCELONA

Institut de Recerca en Cultures Medieval
UNIVERSITAT DE BARCELONA

Institut de Recerca en Educatió

** Units of Excellence

EXCELENCIA MARÍA DE MAEZTU
## A brief Map of UB Units to help in your Research

### UB Research Linked Structures & Units

<table>
<thead>
<tr>
<th>Research Agents</th>
<th>323 Research Groups</th>
<th>17 UB Research Institutes</th>
<th>4 Research Centres</th>
<th>12 Institutes in which the UB takes part</th>
<th>4 Interuniversity institutes and Other research centres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management Research Units / Structures</td>
<td>OGR Office Of Research Management (National Calls)</td>
<td>OPIR UB Office for International Research Projects</td>
<td>OMPI Office for International Mobility and Programs</td>
<td>Beques i Ajuts Office of fellowships and grants</td>
<td>FBG Bosch i Gimpera Foundation (UB TTO)</td>
</tr>
<tr>
<td>Research Support Facilities</td>
<td>CCITUB Scientific and Technological Services</td>
<td>Research Services managed by the Faculties</td>
<td></td>
<td></td>
<td>PCB Barcelona Science Park</td>
</tr>
<tr>
<td>Other Support Structures and Committees</td>
<td>CRAI Learning and Research Resource Centre</td>
<td>OSSMA Office for Health, Safety and Environmental Issues</td>
<td>ICE The University of Barcelona’s Institute of Education Sciences (ICE)</td>
<td>CBUC UB Bioethics Committee</td>
<td>CEEA Animal Experimentation Ethics Committee (and Clinical Research Committees of Clinic Hospital and Bellvitge Hospital)</td>
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<td></td>
<td></td>
<td></td>
<td>Biosafety Committee</td>
</tr>
<tr>
<td>Tools</td>
<td>Portal de Finançament de la Recerca (Info about Calls)</td>
<td></td>
<td>GREC-UB Current Research System Information</td>
<td></td>
<td>GPR Research project manager program</td>
</tr>
</tbody>
</table>
• It offers information about the main funding programs.
• Each file has a profile with 4 main sections per Call:
  • What is financed,
  • To whom is addressed
  • Information of interest
  • UB Office/Unit in charge of managing the Call

• Within these sections, there’s information on:
  • the type of projects and on the concepts which are eligible
  • the requirements to be met by potential beneficiaries,
  • the evaluation criteria, priority areas as target for being funded
  • Foreseen calls and
  • Which are the UB offices in charge of giving support to UB researchers to prepare the application.

• All these aspects are reflected briefly, so that the researcher can see at a glance if the program in question presents opportunities for research.
Novetats

Ayudas a proyectos de investigación - Fundación Alicia Koplowitz
Se convocan ocho ayudas a la investigación para proyectos del área de Psicología, Psiquiatría, Neurociencia del Niño y el Adolescente y en Neuropsiquiatría.
19 gener | Nueva convocatoria

Ayudas a la Investigación en Materiales y Biomedicina y Salud - Fundación Domingo Martínez
Se otorgan ayudas a la investigación para la realización de proyectos relacionados con el desarrollo de nuevos materiales, la salud y el medio ambiente.
18 gener | Nueva convocatoria

Ayudas para contratos Ramón y Cajal (RyC) - MINECO
Se ha publicado la lista de plazas ofertadas. Se puede consultar en el apartado "Últimas publicaciones".
17 gener | Noticia

Research Grants - Human Frontier Science Program
Supports innovative basic research with emphasis placed on novel and interdisciplinary approaches that involve scientific exchanges across national and disciplinary boundaries.
16 gener | Nueva convocatoria

Contratos predoctorales para la formación de doctores - MINECO
Se han publicado las solicitudes oficiales. Se puede consultar en el apartado "Últimas noticias".
15 gener | Noticia

Beques d’Investigació sobre Bioètica - Fundació Víctor Grifols i Lucas
Se convocan diez becas de 5.000€ para duración de proyectos de investigación relacionados con la ética en el ámbito de la biología.
15 gener | Nueva convocatoria
Research Grants - Human Frontier Science Program

Scientific scope
Research grants are available for projects concerned with basic approaches to understanding the complex mechanisms of living organisms. Topics covered range from molecular and cellular approaches to biological functions to systems neuroscience including cognitive functions. The innovative aspect of the project is a major criterion in the review of HFSP research grants. A brief explanation of the contributions of the different expenses should be provided in the summary which will be used in piloting the review process. It is mandatory to read the Specific requirements described in the cell.

Awards
- Young Investigators' Grants, are meant to establish an independent research group at an early stage of a career. A special consideration will take into account the overall level of interdisciplinarity.
- Program Grants, are meant to allow teams of independent researchers to develop new lines of research through the collaboration.

Duration and funding
3 years
- $250,000 for a team of 2 per year.
- $200,000 for a team of 3 per year.
- $150,000 for a team of 4 or more per year.
- Two or more members from the same country will be considered as a single team member for purposes of calculating the award, unless they constitute an interdisciplinary collaboration in which case they will be awarded an amount equivalent to 1.5 team members.
- In the case of a two-member team with one member in a for-profit institution, the total award will be reduced to $125,000. In other cases the for-profit member will not be included when calculating the amount of the award.

Eligible costs
Note that a budget proposal is not required at any stage of the application process. The following information is provided to allow applicants to see the scope of funding permitted in case an award is made.

Eligibility
- All team members are expected to direct a research group (however small), and they must have a doctoral degree (PhD, MD or equivalent). The HFSP award is not intended to create scientific independence; this is a decision of the research institute prior to the application.
- The Principal Applicant and at least one Co-Aplicant must be located in a member country.
- The Principal Applicant must be from a non-profit academic institution.
- The number of team members should normally be 2-4, unless an increase in the number of members is clearly critical for the interdisciplinary nature of the project.
- At least one member of the International Research Team must have his/her laboratory in a country other than that of the Principal Applicant.

Young Investigators' Grants Requirements for all members of the team
- Be within 5 years of obtaining an independent position.
- Have obtained their first doctoral degree (PhD, MD or equivalent) not longer than 10 years before the deadline for submission of the LOE. Exceptions may be made for periods of compulsory military service.
Agenda de convocatòries

PROPERES DATES LIMIT

Call 2018 | Mobility project for higher education staff - KA1 Erasmus+
Termini de presentació UB: dijous, 25 de gener de 2018

BHC Two-stages 2018 | Health, demographic change and wellbeing - H2020
Termini de presentació UB: dimecres, 30 de gener de 2018

Convocatoria 2017 | Ayudas para la realización de proyectos en materia de adaptación al cambio climático - Fundación Biodiversidad
Termini de presentació UB: dimecres, 30 de gener de 2018

Modalitat A - Convocatoria 2018 | Estancias de movilidad de profesores e investigadores en centros extranjeros - MECD
Termini de presentació UB: dimecres, 30 de gener de 2018

Modalitat B - Convocatoria 2018 | Estancias de movilidad de profesores e investigadores en centros extranjeros - MECD
Termini de presentació UB: dimecres, 30 de gener de 2018

Call 2012 | Capacity Building in higher education - KA2 Erasmus+
Termini de presentació UB: dijous, 4 de febrer de 2018
• Developed and constantly maintained by the University of Barcelona.

• It consists in different applications targeted to authenticated users (researchers, research groups, managers) and available via open access web portals.

• It is currently used in 8 institutions and research organizations.

• Contact at the UB:
  Informàtica de Recerca / Computer Systems for Research and
  Oficina de Gestió de la Recerca / Research Management Office
  [URLs provided]
  http://www.ub.edu/ogrc/
GREC-UB: our Current Research System Information (CRIS)

• GREC is a management application aim to treat, monitor, evaluate and disseminate research data.

• It includes:
  • Different applications to organize information through different databases
  • Support webpages in context
  • And exploitation programs to make inquiries and obtain listings and evaluation reports.

• Three main Sections:

  Curricul@  | Research Groups  | Research Query data
• GREC was designed to integrate:
  • the management information system of the institution (as administrator, producer and / or research management) with the information related to the Grants and the Funding obtained by our researchers to conduct their projects
  • the results and outputs derived from this research activity.

• Different Units and Offices at the UB generate, manage and use intensively this software: OGR, OPIR, OMPI, FBG, CRAI, and the vice-rectorates.

• Data exploitation from GREC is invaluable for:
  • decision-making processes, in general
  • evaluation of researchers, research groups and units
  • formulate and planning of institutional science policy
Basic architecture of GREC

**Users**
- OGR
- OPIR
- OMPI
- CRAI
- FBG
- OC
- ACAD
- PMID

**Management of the Institutional Research (NouGREC)**
- Mgmt of Researchers’ Personal Data
- Mgmt of Research Financing (Inputs)
- Mgmt of Groups (Research, Technol., etc.)
- Mgmt of Grants and Fellowships (APIF, etc.)
- Functionalities for the OGR
- Administration and Contents
- Mgmt of Scientific Production (Outputs)
- Avaluation of Scientific Activity (PDA)
- Teaching Activity Data
- Queries and Publications

**Integrations**
- PERSEU
- GRAD
- SAP
- SCI/SSCI
- GPR

**Relations**

**Update & Validation Processes**

**Apps for the Management of Groups**
- Web Portals

**Management of Researchers’ CV (Curricul@)**

**Queries**
- TRS
- Public
- D-SPACE
- FECYT
- Generalitat
- MINECO

**WEB**

**WS**
Management of Research Projects at the UB

http://www.ub.edu/gprdoc/webgpr/

What is GPR?

- GPR is the Research Project Manager developed by the Universitat de Barcelona.

- It is an online Project Management solution that was originally developed to help the researchers and managers from this University to organize all of their project related work and provides them with a project-centered space to share and collaborate and a set of related productivity tools.

- GPR is quite modular and extensible: is it more like a platform on top of which you can deploy modules that implement all the different functionalities.

http://www.ub.edu/gprdoc/webgpr/
<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Online Project Management</strong></td>
<td>Cloud-based. Manage your projects anywhere at any time. Save time &amp; reduce bureaucracy.</td>
</tr>
<tr>
<td><strong>Research Projects</strong></td>
<td>Specially optimized for Research Projects including European Projects.</td>
</tr>
<tr>
<td><strong>Access Control</strong></td>
<td>Each user can have different access privileges which can even be customized for each project.</td>
</tr>
<tr>
<td><strong>Customizable Home Screen</strong></td>
<td>Allows the users to customize their Home Screen. Never lose the perspective.</td>
</tr>
<tr>
<td><strong>Notifications</strong></td>
<td>Get notified whenever something relevant happens.</td>
</tr>
<tr>
<td><strong>Accountancy</strong></td>
<td>Easily access the accountability of your projects.</td>
</tr>
<tr>
<td><strong>Timesheets</strong></td>
<td>Enter the hours and it will automatically generate the reports.</td>
</tr>
<tr>
<td><strong>Document Repository</strong></td>
<td>A place to share and store the project documents.</td>
</tr>
<tr>
<td><strong>Document Generation</strong></td>
<td>The Template Engine automatically generates PDFs and other document types.</td>
</tr>
<tr>
<td><strong>Forms</strong></td>
<td>Enrich your project information. Create custom Forms and related Templates.</td>
</tr>
<tr>
<td><strong>Project Wall</strong></td>
<td>Communicate with other team members. Post messages on the project’s Wall.</td>
</tr>
<tr>
<td><strong>Web Pages</strong></td>
<td>Easily create a simple Web Page for your project.</td>
</tr>
<tr>
<td><strong>Multi Language</strong></td>
<td>All of the User Interface can be easily translated to as many languages as you want.</td>
</tr>
<tr>
<td><strong>Standard Technologies</strong></td>
<td>Java, Spring, Hibernate, Oracle, OpenOffice.</td>
</tr>
<tr>
<td><strong>Extensibility</strong></td>
<td>GPR can be easily adapted and connected to your organization.</td>
</tr>
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</table>
The University of Barcelona has developed the **Portal GRAD** for
- the planning and
- management
of the teaching activity of the subjects of our University.

From this application, GRAD / PDA for Teaching & Research staff, professors can check:
- Hours of visit
- Commissions and teaching dedication
- PDA: *Pla de Dedicació Acadèmica* / Academic dedication plan

Contact at the UB for GRAD queries: supportgrad@ub.edu; Tel. 9340 35408
<table>
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<th>Issue / Query</th>
<th>UB Unit / Office in charge</th>
<th>Phone</th>
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<td>Organizational and logistical queries (*)</td>
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<td>Computer- or ICT-related queries (*)</td>
<td>Informàtica i Comunicacions UB IT and Communications <a href="http://www.ub.edu/iub/">http://www.ub.edu/iub/</a></td>
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<tr>
<td>Travel (*)</td>
<td>Agència de Viatges El Corte Inglés. Agència de Viatges UB El Corte Inglés travel agency. UB travel agency</td>
<td>Ext.: 934 039 245 934</td>
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<tr>
<td></td>
<td></td>
<td>Int.: 39245/ 7074</td>
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(*) Through group leader / head of department / responsible of funded project
<table>
<thead>
<tr>
<th>Issue / Query</th>
<th>UB Unit / Office in charge</th>
<th>Phone</th>
</tr>
</thead>
</table>
| Mobility                         | Oficina de Mobilitat i Programes Internac. (OMPI) / Unitat de Projectes Internac. de Recerca (OPIR)  
  *Mobility and International Programmes Office / International Research Projects Office*  
  Int.: 21709  
  Ext.: 934 035 383  
  Int.: 35383 |
| Student Grants and Financial Aid | Beques i Ajuts a l’Estudiant / Servei d’Atenció a l’Estudiant (SAE)  
  *Support Service and Programs / Student Support Service (SAE)*  
  /s/unitatsS/serveiatencioestudiant.html? | Ext.: 934 039887  
  Int.: 39887 |
| Doctoral School                  | Escola de Doctorat  
  *Doctoral School*  
  http://www.ub.edu/escola_doctorat/en | Ext.: 934 021 754 934  
  037 652  
  Int.: 21754 / 37652 |
| Calls - Research projects       | Oficina de Gestió de la Recerca (OGR) / Unitat de Projectes Internacional de Recerca (OPIR)  
  *Research Management Office (OGR) / International Research Projects Office (OPIR)*  
  Int.: 35398  
  Ext.: 934 035 383  
  Int.: 35383 |
| SAP / Accounting (*)             | Suport Econòmic i Financer (USEF)  
  *Economic and Financial Support Unit (USEF)*  
  http://www.ub.edu/finances/ATENEA_ECOFIN/novetats/documents_htm/circuit_resolucio_inciden  
  cies.htm | Ext.: 934 020 809 / 934  
  020 810  
  Int.: 20809 / 20810 |
| Communication / Dissemination (*)| Communication Unit  
  *Press and UB unit for Scientific Culture and Innovation (UCC+i)*  
  acio.html? | Ext.: 934 035 544 / 934  
  035 412  
  Int.: 35544 / 35412 |

(*) Through group leader / head of department / responsible of funded project