



UNIVERSITAT DE  
BARCELONA

# Report on the academic year 2015-2016

The University of Barcelona



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BARCELONA

Editorial Board:  
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Jordi Alberch Vié

Acting President of the Board of Trustees:  
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I am pleased to present the latest edition of the University of Barcelona Report on the academic year, a look at the most important activities our institution carried out over the 2015-2016 academic year in the areas of teaching, research, innovation, and knowledge transfer. The University is a global leader in higher education, and its actions bear witness to its international outlook and social commitment to culture and values, such as equality and solidarity.

The University of Barcelona has completed the process of revamping its academic and administrative structures with the approval of the new organization of its departments, the creation of the Faculty of Medicine and Health Sciences, the merging of some faculties, and the renaming of others.

The UB's scientific rigour and quality teaching have afforded it a strong position in the most prestigious international rankings, and some of our research structures have been recognized as Severo Ochoa Centres of Excellence. The quality of the Learning and Research Resources Centre (CRAI) has likewise been recognized, through the award of the EFQM 400+ European Seal of Excellence.

These milestones, as well as the UB's active participation in the League of European Research Universities (LERU), the organization of the third Arab-Euro Conference on Higher Education (AECHE), and the creation of the Ibero-American Union of Universities, supplement and strengthen our international and institutional policies, whose core purpose is the provision of the public service of higher education.

I invite you to read and explore this Report, which will take you on a tour of the academic year just ended, with the memory of the active members of the university community who have left us and, especially, mourning for the 13 students killed and the 34 people injured in the accident in Freginals that fateful 20 March 2016.

Jordi Alberch Vié  
Acting rector



UNIVERSITAT DE BARCELONA



“The University is undeniably a symbol of Barcelona’s identity: it forms part of its history and urban landscape, and is deeply rooted in its society.”

**Ramon Dilla**, Technician in the Institutional Relations and Protocol unit, manager of guided tours of the Historic Building





# A UNIVERSITY SPANNING THE CENTURIES AND SERVING THE COMMUNITY

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Strategic vision  
of the University of Barcelona

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Summary of basic figures

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Territorial distribution of the UB:  
the campuses and the centres

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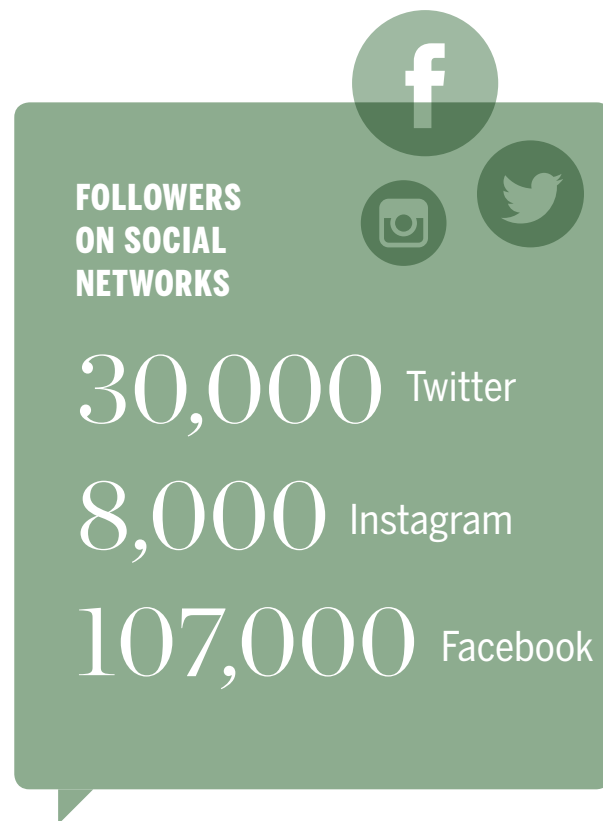
## Strategic vision of the University of Barcelona



Faculty of Law

In 2016, the process of defining and approving **the reform of the University of Barcelona's academic and administrative structures** was brought to a close. The Governing Council approved a new structure of departments, in which the 106 existing departments are reorganised into just 59. The Faculty of Medicine and Health Sciences was created, which brings together the current centres of Nursing, Medicine, Dentistry and studies in Podiatry, and the Sciences and Engineering Area was formed from the faculties of Mathematics, Geology, Physics and Chemistry. In addition, the report on the creation of the Faculty of Human and Social Sciences was approved. This faculty will incorporate the faculties of Library and Information Science, Philology, Philosophy and Geography and History, as well as the Training and Research Unit (UFR) School of Social Work. The faculties of Pharmacy, Geology and Mathematics became the faculties of Pharmacy and Food Science, Earth Sciences, and Mathematics and Computer Science, respectively.

In relation to **infrastructures**, the University reached a preliminary agreement with Barcelona Provincial Council to transfer the Espinalb building to the Mundet Campus to house the Psychology Clinic, and completed the development plan for the Food and Nutrition Torribera Campus for the future construction of a teaching building and other teaching and scientific facilities. Works are about to be completed on the first stage of expanding the Faculty of Law, and activities have started in the Humanities and Social Sciences Park.




Progress has been made on the creation of a website on transparency, the **Portal de transparència**, in accordance with the provisions determined by law, and the e-office has been consolidated. The University website had 25 million visitors. Thousands of followers on social networks led to the UB receiving a KLOUT score of 80. As a result, it is the most influential Spanish university on social networks.

To maximise the public presence of the University and enhance its international visibility, the brand has been updated with a **new logo**, which strengthens the image of a university that is hundreds of years old, and highlights its links with the city in which it is housed. In addition, the brands of the UB Group and the University's research institutes have been updated, to create a shared image.

The **Signage Plan** continued with the incorporation of the University of Barcelona brand on the façades

The "Universo Cervantes: 1616-2016" exhibition at the University of Barcelona commemorates the fourth centenary of Miguel de Cervantes's death.

*El Mundo*, 25-5-2016

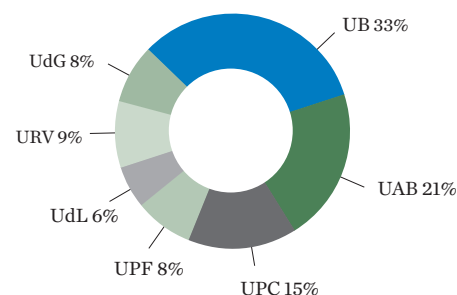


of buildings. In 2015, signs were put up on the faculties of Medicine and Health Sciences, Pharmacy, Fine Arts and Earth Sciences, and on the CRAI building and the El Carme Culture Centre in Badalona. In 2016, two exterior signage projects were carried out: one on the Can Jaumandreu building, in the Humanities and Social Sciences Park, and the other on the Torre de la Creu, which houses the Area of Further Training in Sant Joan Despí.

In October 2015, a point of sale for university **merchandise** was opened in the main lobby of the Historic Building, to increase visibility of the products. New points of sale were also created in faculties and at sites outside of the university.

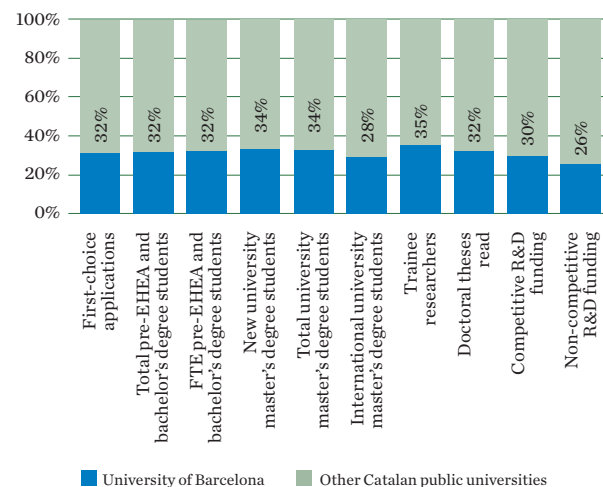
The University of Barcelona is a leader in university research in Spain and holds a position of around 120 on average in the main **international rankings**: the Academic Ranking of World Universities, known as the *Shanghai Ranking*, Best Global Universities, and QS World University Rankings. In addition, it is the Spanish university with the most cited researchers in scientific disciplines, and in areas such as medicine, it is among the top 100 in the world. According to the Times Higher Education (THE) World University Rankings, the University of Barcelona is among the 25 best universities in the world that have been in existence for over 400 years.

### Bachelor's degree students at Catalan public campus universities (2015-2016)



- University of Barcelona
- Autonomous University of Barcelona
- University of Lleida
- Polytechnic University of Catalonia
- Rovira i Virgili University
- Pompeu Fabra University
- University of Girona

### Relative importance of the University of Barcelona in the Catalan public university system







The new Faculty of Fine Arts building

## Summary of basic figures

### Structure

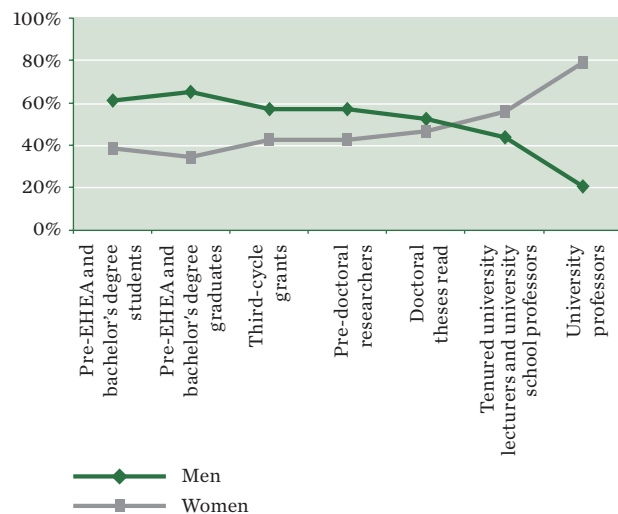
Constructed area (sq m)	664,191
Faculties	16
Affiliated centres*	8
Departments	60
Research and training sections	1
UB research institutes	12
UB University research institutes	2
Research institutes in which the UB participates	10
Interuniversity institutes	3
Documentation centres	3
UB Observatories	10
Participation in observatories	2

\* Plus two centres in affiliating processes

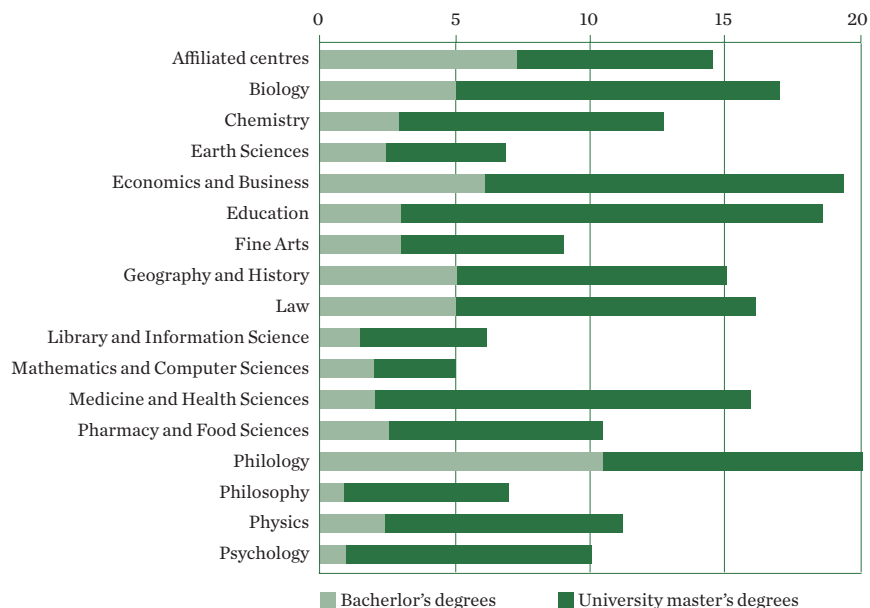
### Course offerings 2015-2016

Bachelor's degree courses	71
University master's degrees	145
Doctoral programmes	48
pre-EHEA UB-specific degrees	1
Specialisation/postgraduate diplomas	223
Master's degree courses	252
Expert courses	229
University extension courses	86
Corporate lifelong learning courses and open courses (IL3)	514

### Gender mix



### Bachelor's degrees and university master's degrees







“The new Faculty of Medicine and Health Sciences will promote interdisciplinary knowledge and overall improvements in teaching and research, so as to increase the health of society.”

**Francesc Cardellach,**  
Dean of the Faculty of Medicine  
and Health Sciences

### Students

	2013-2014	2014-2015	2015-2016	% women
New bachelor's degree and pre-EHEA degree students	10,746	10,418	10,420	62.1
Bachelor's degree and pre-EHEA degree students	45,336	44,420	43,568	61.6
Full-time-equivalent students in bachelor's and pre-EHEA degrees	39,077	38,363	37,796	62.2
Bachelor's and pre-EHEA degree graduates	7,582	7,430	7,261	66.4
Incoming university master's degree students	3,011	3,417	3,573	60.5
University master's degree students	4,791	4,865	5,300	61.4
Full-time-equivalent master's degree students	3,106	3,664	3,432	60.8
University master's degree graduates	2,544	2,472	2,866	60.6
Distance bachelor's and master's degrees students*	—	638	1,921	59.9
Students at UB-affiliated centres (bachelor's and university master's degrees)	3,251	3,713	3,901	53.7
Students in UB-specific master's degree courses and postgraduate/specialisation and expert courses	7,697	8,693	8,801	71.5
University extension students	1,726	2,279	1,304	55.2
Lifelong learning students (IL3)	16,433	14,696	21,040	74.5
Students in non-curricular placements	3,021	3,937	N. A.	—

\* Through the UNIBA affiliated centre.



UB signage on a Bellvitge Health Sciences Campus building



The new Faculty of Law building

### Bachelor's degree and pre-EHEA degree students, by branch of knowledge

	New	Total	Graduates
Arts and Humanities	2,152	8,413	1,268
Education Sciences	1,490	5,968	1,216
Health Sciences	1,968	9,104	1,671
Social and Legal Sciences	3,132	13,479	2,073
Experimental Sciences and Engineering	1,678	6,604	1,033
<b>Total in centres</b>	<b>10,420</b>	<b>43,568</b>	<b>7,261</b>
% women	62.1	61.6	66.4
<b>Affiliated centres</b>	<b>1,156</b>	<b>3,777</b>	<b>535</b>
% women	51.2	53.6	61.7
<b>UB Total</b>	<b>11,576</b>	<b>47,345</b>	<b>7,796</b>

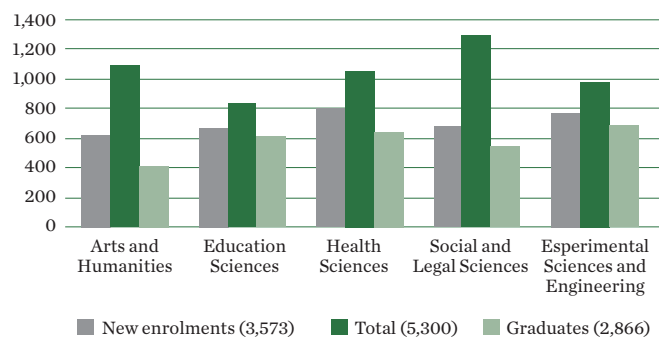
### Additional training

	2015-2016	% women
School of Modern Languages	4,659	62.6
Hispanic Studies	2,417	61.8
University of Experience	1,114	67.0
Els Juliols summer courses	1,543	68.0
Gaudir UB courses	1,087	65.6

### Other students

	2015-2016	% women
Language Services (SL)	919	68.1
Institute of Education Sciences	10,576	71.9
Courses for Senior Citizens	4,003	77.0

### University master's degree students



This does not include students at UB-affiliated centres.





“The University is a wonderful social platform, which gives us a responsibility to ensure inclusive education that respects difference.”

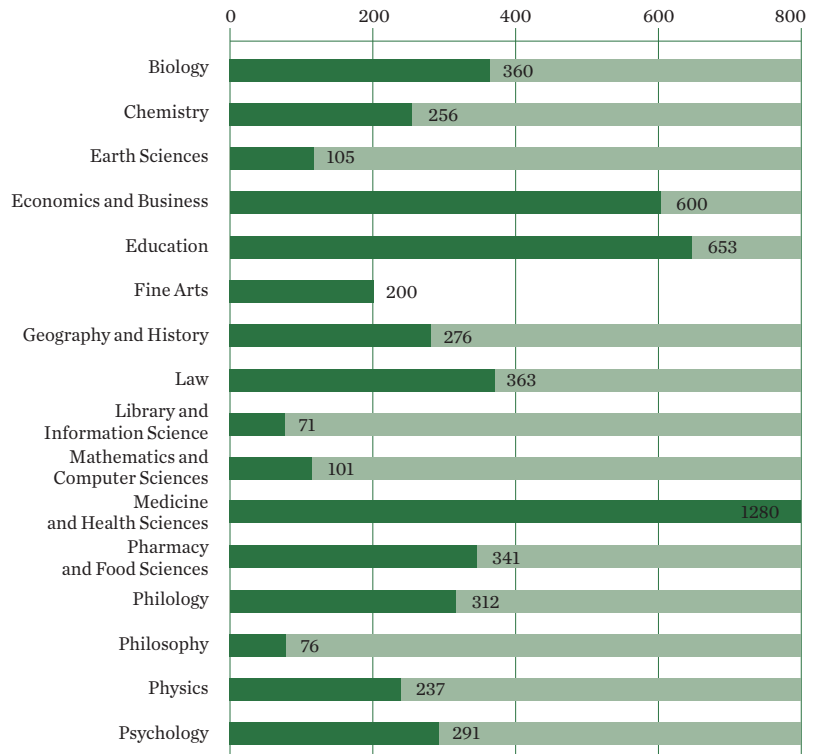
Olga Jubany,  
Lecturer in the Department of Social Anthropology  
and coordinator of the Divercity project  
for the LGTB population

### Teaching and research staff (TRS)

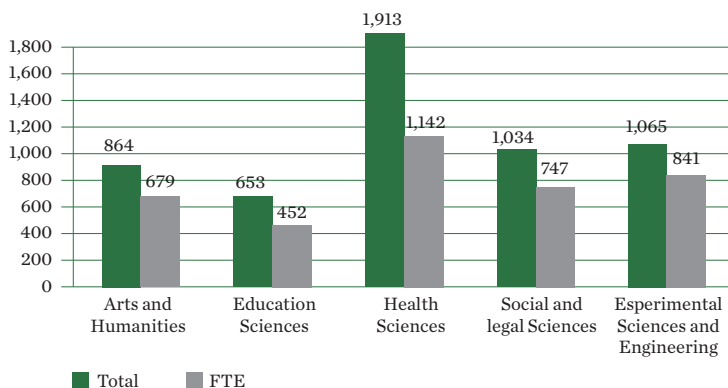
2016		% women
<b>Total TRS</b>	<b>5,532</b>	<b>45.7</b>
University professors	499	19.6
University school professors	18	66.7
Tenured university lecturers	1,181	43.8
Tenured university school lecturer	144	52.8
Contracted LOU professors	2	0.0
Tenure-track 2 lecturers	424	47.2
Tenure-track 1 lecturers	126	54.0
Temporary lecturers	10	70.0
Temporary full-time lecturers	80	65.0
Adjunct lecturers	2,058	50.7
Adjunct medical lecturers	591	45.5
Other researchers	184	51.6
Emeritus lecturers on the early retirement plan	144	46.5
<b>Other</b>	<b>68</b>	<b>32.4</b>
<b>Full-time-equivalent TRS</b>	<b>3,863.5</b>	<b>45.5</b>
<b>TRS with permanent affiliation*</b>	<b>2,348</b>	<b>40.7</b>

\* This includes lecturers (full professors and tenured lecturers), tenure-track lecturers, university-contracted temporary lecturers and contracted LOU professors.

### TRS by centre



### Total TRS and full-time-equivalent TRS, by branch of knowledge



	2014	2015	2016
<b>Teaching and research staff (TRS)</b>			
Total TRS	5,190	5,311	5,532
Full-time-equivalent TRS	3,796	3,829	3,863
PDI with permanent affiliation	2,420	2,396	2,348
<b>Administrative and service staff (AdSS)</b>			
Total AdSS	2,352	2,283	2,264
Publicly contracted AdSS	1,020	987	954
University-contracted AdSS	1,332	1,296	1,310
<b>AdSS/TRS ratio</b>	<b>0.45</b>	<b>0.43</b>	<b>0.41</b>
<b>AdSS/ Full-time-equivalent PDI ratio</b>	<b>0.62</b>	<b>0.60</b>	<b>0.59</b>

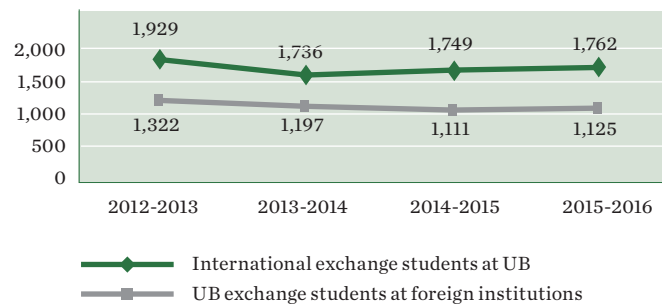
### Teaching improvement and innovation

	2015-2016
Consolidated teaching innovation groups	71
Teaching innovation groups	27
Funded teaching innovation projects	51
% TRS participating in ICE training courses	70.3
Participants in MOOCs	22,459

### Internationalization

	2015-2016
Agreements with foreign universities and other institutions	3,117
International academic offices	3
International students	10,981
International teaching staff	208

### Mobility in the framework of exchange programmes



### Administrative and service staff (AdSS)

		% women
<b>Total AdSS</b>	<b>2,264</b>	<b>63.6</b>
<b>Publicly contracted AdSS</b>	<b>954</b>	<b>81.3</b>
Group A	49	71.4
Group B	165	80.6
Group C	421	79.3
Group D	316	86.3
Group E	3	33.3
<b>University-contracted AdSS</b>	<b>1,292</b>	<b>51.2</b>
Group I	340	51.8
Group II	214	42.1
Group III	524	50.0
Group IV	214	62.2
<b>Temp. employees</b>	<b>18</b>	<b>16.7</b>

### Services and activities

	2015
<b>Library</b>	
Number of libraries	17
Monograph collections	1,765,310
Journals and periodicals	76,181
Total loans	805,661
Reading desks	6,014
UB Sports users (subscribers and competitors)	6,009
Grant holders in UB services and faculties	904
Participants at the Job Club	802
UB Alumni members	5,103

### Cultural activities

	2015
Visitors to guided tours of the Historic Building	3,700
Concerts at the Music Cycle	24
Temporary exhibitions at Virtual Museum	30

### International rankings

	Position in Spain	Position in Europe	Global position
Academic Ranking of World Universities (ARWU)	1	67	151-200
THE World University Rankings	3	100	201-250
QS World University Rankings	1	86	160
Best Global Universities	1	24	86
Center for World University Rankings (CWUR)	1	34	122
University Ranking by Academic Performance (URAP)	1	10	45
National Taiwan University Ranking (NTU)	1	18	69
SCImago Institutions Rankings World Report (Higher Education)	1	51	139
GreenMetrics	5	-	59



The Food and Nutrition  
Torribera Campus

### Research and technology transfer

	2013	2014	2015
<b>Income generated through competitive and non-competitive research funding (thousands of euros)</b>	<b>69,428</b>	<b>87,209</b>	<b>88,988</b>
Research projects	19,977	25,312	31,471
Complementary actions	401	305	369
Grants and financial aid	15,172	19,835	13,740
Infrastructure	—	185	—
Research agreements	193	538	248
FBG contracts	8,056	10,043	8,697
Services provided by Science and Technology Centres to other institutions	3,057	2,901	3,236
Income generated by UB researchers at institutions*	22,572	28,090	31,227

\* Includes income from the activity of UB researchers in competitive and non-competitive research projects at the August Pi i Sunyer Biomedical Research Institute (IDIBAPS), the Bellvitge Biomedical Research Institute (IDIBELL), the Institute for Bioengineering of Catalonia (IBEC), the Catalonia Institute for Energy Research (IREC), the Institute for Research in Biomedicine (IRB), the Centre for Ecological Research and Forestry Applications (CREAF), the Institute of Space Studies of Catalonia (IEEC), the Barcelona Institute for Global Health (ISGlobal) and the Centre for Research in Agricultural Genomics (CRAG).

Research activity	2015
Active research projects	892
Horizon 2020 projects	35
Research-integrated professors	2,394
Contracted research doctors	222
Predocctoral research staff	569
Research-support PAS	332
Consolidated research groups (as recognized by the Government of Catalonia)	301
Emerging research groups	22

Technology and knowledge transfer	2015
FBG contracts	731
New technology-based spin-offs	6
Priority patent applications	20
International patent extensions (PCT)	14
National patent applications	59
Invention communications	53

Evolution of research activity	2013	2014	2015
Trainee researchers	5,387	5,431	4,774
Doctoral theses read	755	752	1,131
Scientific publications (ISI)	4,998	5,180	5,186
Patent applications	48	54	93





“The University of Barcelona’s leading position in world rankings inspires confidence, which is why I chose it.”

**Rodrigo Chaverra**, Student of the master’s degree in Criminology, Criminal Justice Policy and Sociology of Criminal Law at the Faculty of Law



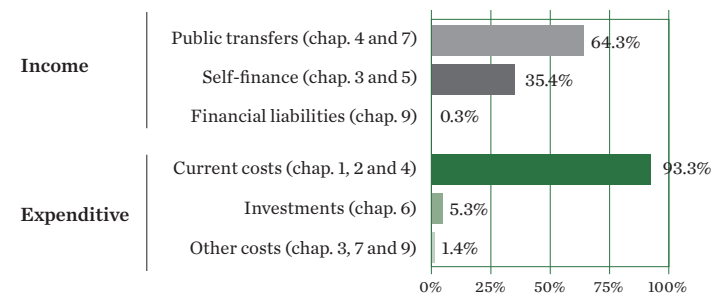
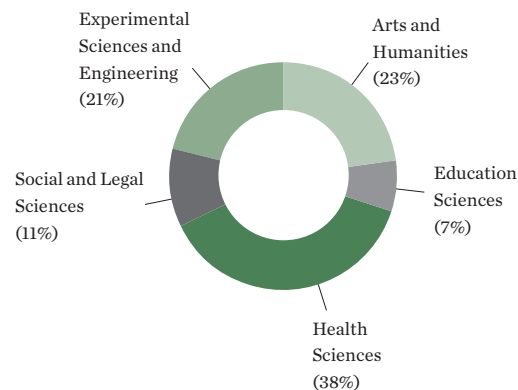
### Budget 2016

Income	371,692
Chap. 3. Fees and other income	126,582
Chap. 4. Current transfers	227,918
Chap. 5. Additions to capital	5,167
Chap. 7. Capital transfers	11,055
Chap. 9. Financial liabilities	970

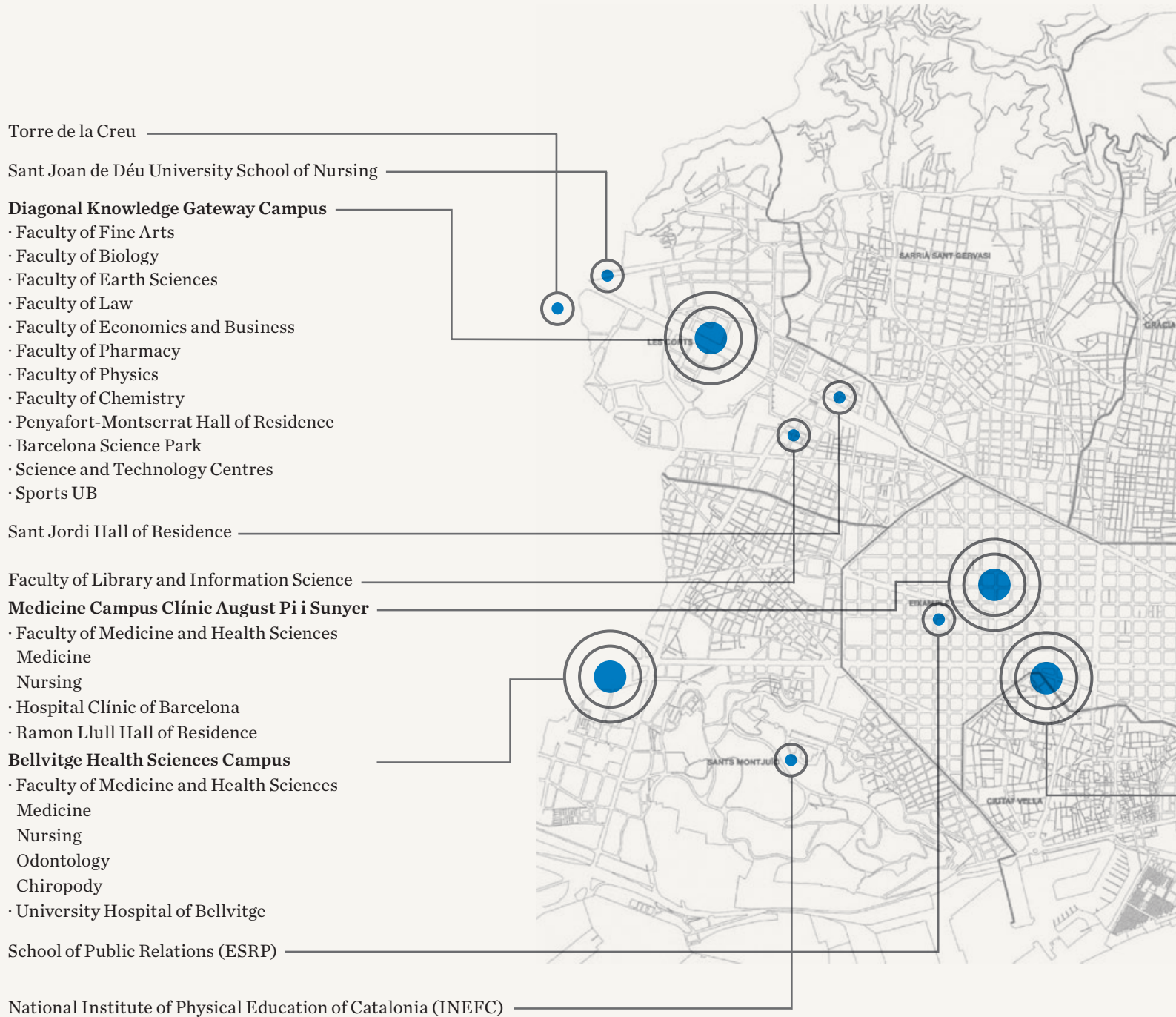
Expenditure	371,692
Chap. 1. Staff costs	267,225
Chap. 2. Acquisition goods/services	68,788
Chap. 3. Financial costs	1,383
Chap. 4. Current transfers	10,919
Chap. 6. Real estate investments	19,706
Chap. 7. Capital transfers	102
Chap. 9. Financial liabilities	3,569

Evolution	2014	2015	2016
Budget	356,302	367,065	371,692

### Trainee researchers by knowledge area



# Territorial distribution of the UB: the campuses and the centres

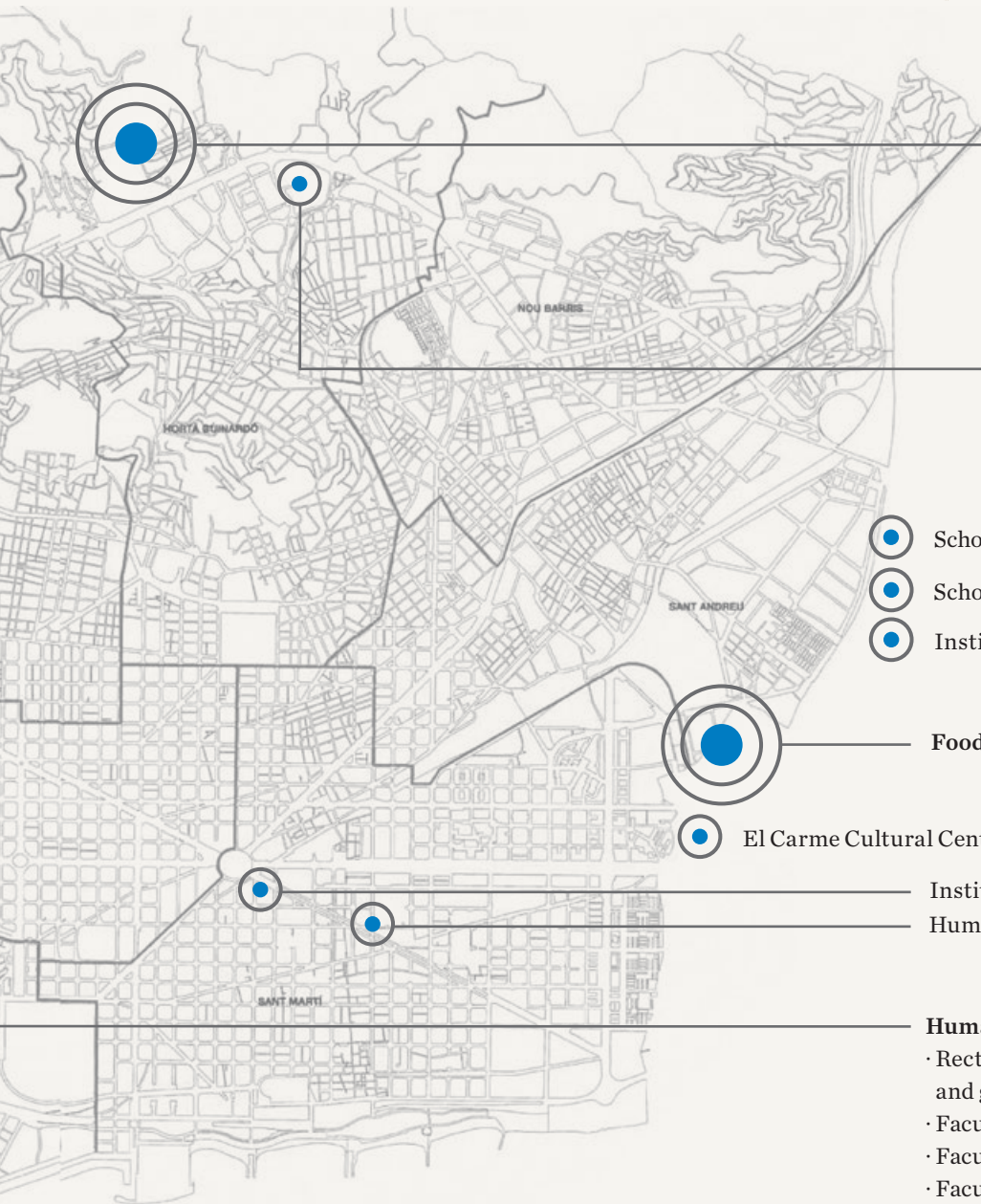


A university spanning the centuries and serving the community



UNIVERSITAT DE  
BARCELONA

International recognition of excellence



**Mundet Campus**

- Faculty of Education  
Social work
- Faculty of Psychology
- Institute of Education Sciences (ICE)

University School of Hotel Management  
and Tourism CETT



School of Cinema and Audiovisual Studies of Catalonia (ESCAC)



School of Trade and Distribution (ESCODI)



Institute of Public Safety of Catalonia (ISPC)



**Food and Nutrition Torribera Campus**



El Carme Cultural Centre



Institute for Lifelong Learning IL3



Humanities and Social Sciences Park

**Humanities Campus**

- Rector's Office, General Manager's Office  
and general services
- Faculty of Geography and History
- Faculty of Philology
- Faculty of Philosophy
- Faculty of Mathematics
- School of New Interactive Technologies
- School of Modern Languages
- Institute of Hispanic Studies





“The University can increase the visibility of women’s contributions in all areas of knowledge, and promote and disseminate criteria of equality between men and women.”

**Núria Pumar**, Director of the Inter-University Institute of Women’s Studies and Gender Research (iiEDG) and member of the LERU Gender Working Group

**Anna Villarroya**, Lecturer with the Department of Economics and member of the LERU Gender Working Group



# A UNIVERSITY FOCUSED ON PEOPLE

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Services for the university community

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Institutional and cultural activities

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Student services

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2





“The house is alive, and its true value is human capital, both of the people that work there and those who are training as doctors, archaeologists and jurists, who will build the future.”

**Ramon Dilla,**  
Technician in the Institutional Relations  
and Protocol unit, manager of guided tours  
of the Historic Building

## Services for the university community



The University of Barcelona pursues its commitment to society in a range of different areas. It has now published its sixth activity report on **social responsibility**, and has tightened its internal control mechanisms for the proper application of current economic and financial regulations. The University has also taken steps towards greater **transparency**, in accordance with new legal requirements, consistent with its role as a provider of social and public services.

Regarding **equality**, the UB has signed a framework agreement for cooperation with the Catalan Institute of Women for the development of joint activities to promote the inclusion of a gender perspective in knowledge and, at the same time, to publicise the support services available to women who suffer gender violence.

Aiming to expand its **Protocol for prevention, detection and intervention in cases of harassment based on gender or sexual orientation**, the University has signed an agreement with the Conexus association, dedicated to psychosocial care services. Also, with the goal of establishing a policy of prevention and eradication of gender violence, under the **Equality Plan II** the UB has organized workshops with students, multidisciplinary projects, training activities, and the integrated project *La UB contra la violència masclista: Uneix-t'hi de debò!* (“The UB against gender violence: Join us for real!”) The monthly newsletter *Butlletí UB* is published to raise awareness of these activities.

Various Nobel Peace Prize Laureates warned yesterday of the militarisation of states at the first session of the fifteenth World Summit of Nobel Peace Laureates, held in the Paranimf hall of the University of Barcelona.

*El Punt Avui*, 14-11-2016



The **Ombuds Office** is an independent, autonomous institution responsible for defending the rights and freedoms of the student community and of teaching and research staff and administrative and service staff. During the academic year, it received 262 requests for intervention.

The **Support and Mediation Office** continues to create, maintain and cultivate the culture of respect and humanisation that the University seeks to uphold.

In terms of **occupational health and safety**, the main lines of action pursued by the Health, Safety and Environmental Issues Unit have been health and safety at work, emergency preparation and response, sustainability, and social assistance.

Workplace health and safety initiatives have included programmes of risk management related

A COMMITMENT  
TO THE  
ENVIRONMENT



31%

reduction in water  
consumption since 2010

to the structural integrity of UB buildings, industrial hygiene, ergonomics, psycho-social aspects, and health surveillance.

In the area of emergency preparation, the UB has continued to establish on-site emergency plans for those buildings which lacked one and to ensure that existing plans are fully adapted to current regulations, with the aim of achieving across-the-board approval from the relevant civil protection authorities. Annual emergency simulations are carried out as part of most existing plans.

To assess, evaluate and support research and teaching activities at the University which involve the use of biological agents and to ensure compliance with established biosafety regulations, in July 2015 the Governing Council approved the creation of the **Biosafety Committee** and its rules of operation.

Activities related to the environment are organized around the guidelines set out in the UB's **Sustainability Plan**, under which certain actions have been developed following the service-learning methodology in collaboration with the master's degree in Environmental Engineering. The experience was presented at the annual Copernicus Alliance conference.

Regarding the **consumption of resources**, energy and water consumption have been reduced for the fifth year running. Compared to 2014, elec-



tricity consumption came down by 2.6%, gas consumption by 1.8%, and water consumption by 4.6%. Since 2010 the total reductions have been 14.9% for electricity, 33.5% for gas, and 31.1% for water.

## A COMMITMENT TO SPORT



# 142

university  
championship  
medals won



In the field of **social care**, notable actions include the proposed development of a protocol for intervention concerning workers with problems related to the consumption of alcohol and drugs.

**UB Sports** has 100,000 sq m of facilities dedicated to sport and health activities, and strives to make these catalysts for healthy living and social cohesion throughout the university community. It also represents the University of Barcelona in university sports competitions throughout Catalonia, Spain and Europe. Throughout 2015-2016 it comprised 1321 athletes, ending the season with a total of 82 gold, 28 silver and 32 bronze medals.

Five years ago, UB Sports helped establish *Lligues Universitàries de Barcelona*, an amateur university sports league in which seven universities from around Catalonia take part. In its fifth year, a total of 3258 participants registered (2738 men and 520 women).

The University of Barcelona has launched a new web platform for its **discount programme** *Avantatges*, now adapted for mobile devices. The programme allows members to take advantage of discounts, promotions and specials (more than one hundred) offered by a wide range of businesses and institutions to the UB community. The website receives an average of 3,000 visits per month.

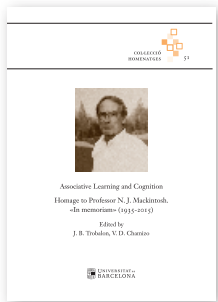


UB sports teams show off the new uniforms



**25** million visits to the UB website  
(more than 68,000 daily)

## Institutional and cultural activities



Within the framework of UB **institutional activities**, 2015-2016 began with a speech entitled “La crisi de l’educació no és tan sols una crisi de l’educació” (The crisis of education is not only a crisis of education) by **Dr Joaquim Prats**, professor of the Department of Teaching and Learning of Social Sciences of the Faculty of Education.

During the academic year, **honorary degrees** were conferred on oncologist and epidemiologist **Francesc Xavier Bosch**; **Eugene Garfield**, founder of the Institute for Scientific Information (ISI), and historian and Hispanist **Paul Preston**. Additionally, the **UB Gold Medal** was posthumously awarded to psychologist **Nicholas J. Mackintosh**.

The **Doctors’ Senate**, with 956 members, awarded its 19 annual prize to **Dr Paul Formosa Jordan** (Department of Condensed Matter Physics, Faculty of Physics), for his doctoral thesis *Pattern formation through lateral inhibition mediated by Notch signalling*.

The jury for the **Board of Trustees Awards**, in its 11 year, gave the José Manuel Bleuca Prize to Dr Ernest Miguélez, and the Ramon Margalef Prize to Dr Leticia Moreira. Awards presented in conjunction with the Bosch i Gimpera Foundation (FBG), included the Antoni Caparrós Prize going to the Translational Immunology Research Group, of the UB’s Department of Physiology and Immunology, and to the Binding programme, designed for children with reading difficulties, as well as the

Senén Vilaró Award for the best innovative company going to Worldsensing, SL.

Notable **awards and distinctions** received by members of the university community during the academic year include:

AWARD OR DISTINCTION	RECIPIENTS
Honorary Doctorate (Norwegian University of Science & Technology – NTNU)	Miquel Rubí
National Research Award	Manel Esteller
National Culture Award	Lola Badia
Ciutat de Barcelona Prize	Josep M. Esquirol
Narcís Monturiol Medal for Scientific and Technological Merit	Marta Cascante and David Serrat
Spanish Royal Society of Physics Medal	Javier Tejada Palacios
5th Joan Veny Grant	Esteve Valls
Film-History Award	Esteve Riambau
Goya Award	Tomàs Aragay, Lluís Rivera and Lluís Castells (teachers at ESCAC)
Columbia University’s publication of <i>On the Difficulty of Living Together</i>	Manuel Cruz
Best Initiative in Pharmacy – Pharmaceutical Care	Clinical Pharmacy and Pharmacotherapy Unit of the UB Faculty of Pharmacy



The University of Barcelona revokes all sanctions imposed on those involved the *Caputxinada* and those imposed up until 1978 for political reasons



The University of Barcelona invests epidemiologist and oncologist Francesc Xavier Bosch with an honorary doctorate



of the 30th anniversary of his inauguration as rector, and in memory of **Dr Joan M. Malapeira**, former director of the UB Postgraduate Agency.

The University also commemorated the 50th anniversary of the constituent assembly of the Democratic Students Union (*Sindicat Democràtic d'Estudiants*), and organized a ceremony in memory of the student victims of a bus accident that occurred on 20 March in the town of Freginals in the Tarragona region.

In December 2015, an event was celebrated in recognition of administrative and service staff with 25 years of service at the UB.

The University has increasingly promoted its **guided tours** of the Historic Building. In total, 191 tours were conducted during the year, representing some 3,700 visitors from among the general public, official visitors and representatives of diverse institutions.

To spread awareness of the University's important historical and artistic heritage, these guided tours have been marketed to the foreign public, and the historical and artistic documentary material has been revised. In this sense, promotional and informative materials targeting both the local and foreign public have been created, as well as specific agreements to make guided tours of other spaces, such as the Finca Pedro i Pons and, in the future, the Faculty of Medicine. Relationships with other institutions have also been created in order to

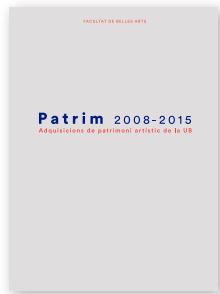
A memorial event for the victims of the Freginals bus accident



In the academic year 2015-2016, the University paid **tribute** to **Dr Eulalia Vintró**, professor of Greek Studies; to **Dr Horacio Capel**, professor of Human Geography; to the artist **Joan Hernández Pijuan**, professor of Painting and dean of the Faculty of Fine Arts in the 1990s, in commemoration of the tenth anniversary of his death; to **Dr Pilar Bayer**, professor of Algebra; to **Josep M. Bricall**, on the occasion



Scene from a summer event of the UB's *Els Vespres* concerts



develop joint tours, for example, with the Barcelona Seminary.

In terms of **cultural activities**, within the **XXIX Music Cycle** series of concerts at the University, some 24 concerts were held in the Historic Building's Paranimf Auditorium, including two performances of the University of Barcelona Choir's Christmas Concert, under the direction of Jordi-Lluís Rigol; Schola Cantorum UB, under the direction of Carles Gumí; Contrapunto Vocale, conducted by Josep Miquel Mindan, and the University of Barcelona Orchestra, also under the direction of Carles Gumí, which performed Mass No. 5 in A-flat major, D 678, by Franz Schubert. The Music Cycle also enjoyed the participation of the Barcelona Youth Symphony Orchestra (JOSB), with which it has signed a collaboration agreement, and South Dakota State University Choir from the USA.

In 2015-2016, the eleventh edition of the *Els Vespres* series of free evening concerts incorporated a series of winter events for the first time (*Els Vespres d'Hivern*), with a series of four concerts held in the Paranimf Auditorium in the months of February and March. Throughout July, the summer series of *Els Vespres* continued with a programme of six small concerts in the Ferran Soldevila Garden in the grounds of the Historic Building. Both the summer and winter concerts serve as a platform for the promotion of new musical acts of diverse genres, and are an important landmark on the Barcelona cultural scene.

The year also saw the UB's **VI Contemporary Dance Cycle** take place, a series of contemporary dance performances entitled **Dance on Screen**, comprising three shows, as well as its **VII Film Cycle**, a series of cinema entitled **Road Movies – Roads of Freedom and Rebellion**, which consisted of five film screenings. The University also took part in the 2015 edition of the International Environmental Film Festival (FICMA) by presenting a series of screenings at the Faculty of Biology. The annual **Aula de Teatre** presented a production of *Crusades*, by French playwright Michel Azama.

The **Virtual Museum** hosted 28 temporary exhibitions corresponding to exhibitions organized across the various campuses of the University of Barcelona, and produced two virtual exhibitions. It also increased the number of listings in its collections and documented a significant number of other items.

The **books** *Muerte y transfiguración en el mundo artístico contemporáneo* (Death and Transfiguration in Contemporary Art) and *Simetries per a tothom: un recorregut ple de sorpreses per l'art i la ciència* (Symmetries for everyone. A journey of surprises through art and science) were published, based on the *Els Juliol*s summer courses of the same names, held in July. The second volume of the catalogue *Patrim: adquisicions del patrimoni artístic de la UB* (Patrim: Acquisitions of UB art heritage), documenting the artistic heritage of the UB Faculty of Fine Arts, was also published.

GUIDED TOURS  
OF THE HISTORIC  
BUILDING

3,700 visitors on 191 tours



Exhibition of sculptor Josep M. Camí in the Paranymph hallway

In an effort to raise awareness of the University's bibliographic resources and safeguard its heritage, the UB's Learning and Research Resource Centre (CRAI) has continued with its **Sponsor a Document** project, which to date has raised €16,021 and facilitated the restoration and digitization of 21 books.

The University has signed **collaboration agreements**: with the Catalan Agency for Cultural Heritage (ACdPC), for the development of a series of temporary exhibitions at the Museum of Catalan History on the historical and artistic heritage of the UB; with the Catalunya-La Pedrera Foundation, for the promotion of heritage and other scientific, artistic and cultural matters of common interest; with the Picasso Museum, for the programming of training courses set around the life and work of Pablo Picasso; with the Barcelona Youth Symphony Orchestra, for the organization of concerts for the Music Season at the University series, and with Concòrdia Farmacèutica Foundation for the donation of the furniture from the Vilardell Pharmacy to the UB.

Various **workshops, conferences, summits, seminars and other cultural activities** have also taken place, such as the 2nd Gaudí World Congress, organized by the University of Barcelona in conjunction with the Gaudí Research Institute; the presentation of the Ferran Soldevila Garden catalogue; the Barcelona-Paris International Symposium "Intellectual Relations and Cultural



The Syrian refugee crisis, in an exhibition at the Historic Building

Capital (1880-1950)”; the Days of Russian Culture in Catalonia events, including a concert by the Moscow Contemporary Music Ensemble; the workshop “Spirituality, science and culture. Teilhard de Chardin: 60 years later”, and the International Symposium on Cervantes and Dante.

The University of Barcelona **exhibition programme** has encompassed a total of ten exhibition projects, with five having been hosted in various areas of the Historic Building: “Camí. Yes, but the silence”, “Syria. Words of exile”, “Alice in Wonderland (150th anniversary)”, “Go between in between. Sculpture Show”, and “Europe: Lost in Translation”. A further three exhibitions were hosted at the Josep Ucles exhibition space at the El Carmen Cultural Centre in Badalona: “Immersed in Data”, “Agusti Puig - La intuïció del gest”, and “Cuerpos



The exhibition “Tresors del coneixement. Arbor Scientiae”, the germination of the future University of Barcelona Museum

de luz. Mayte Vieta”. The Baschet Sound Sculpture exhibition continued to show at Can Jaumandreu, as did “Treasures of knowledge. Arbor Scientiae” at the Museum of Catalan History.

In the area of **electronic administration and document management**, several online processes have been consolidated, including online request and issue of academic certificates using electronic signature (25,941 instances this year), as well as electronic signature of degree qualification records. Other online services launched include applications for bachelor’s degrees, credit recognition and transfer, pre-enrolment in university master’s degrees, and collaboration grant applications. A point of contact for general inquiries has also been established, along with a single mailbox for complaints and inquiries for all faculties and

“Now that the University has reached the neighbourhood, paths must be made for the neighbours to reach the University.”

**Rodrigo Chaverra,**  
Student of the master's degree in Criminology,  
Criminal Justice Policy and Sociology of Criminal  
Law at the Faculty of Law



Presentation of the 11th Research Prize for Peace, awarded to upper-secondary school projects



Creu Roja Joventut presents the 23rd Campanya de Joguines (toy collection campaign). Photo: © Creu Roja

schools. Other projects in development include the implementation of electronic voting, online management of information requests via the Transparency Portal, requests for access and enrolment to doctorates, and online enrolment services for undergraduate students.

The UB's programme of **courses for senior citizens** (AUGG) continued, now in its 36th year, welcoming 4,003 students for the academic year, comprising 77% women, approximately 3% of whom were over 90 years of age. The number of complementary seminars also increased, with the addition of new subject areas including the history of religion and scientific disclosure, and the consolidation of seminars on history, biology, astronomy, art history,

European, Spanish and Catalan literature, and music history. Activities involving the choir and theatre were also consolidated, as they continue to attract many participants each year.

The **UB Solidarity Foundation** focuses its work on social action, development cooperation, volunteering and the promotion of human rights and a culture of peace. It provides advice and evaluation, launches projects and engages in projects led by other institutions and organizations that mobilize members of the university community. In terms of social action, highlights include programmes dedicated to education for global citizenship and human rights and in historical memory, as well as collaborations with diverse entities for the social



VOLUNTEERING



2,447

volunteers among  
the UB community



and professional integration of people belonging to groups at risk of exclusion or in situations of hardship. Internationally, the UB is carrying out projects on water management, improvement of local governance and citizen participation in Morocco, on rural development and peace building in Colombia, and on the implementation of joint postgraduate programmes with universities in Senegal and Mauritania. On education for global citizenship and human rights, the UB and the Institute of Education Sciences announced the 11th Award for Peace Research, and various activities have been carried out within the framework of the *Tardor Solidària* (Solidarity Autumn) programme. The European Observatory on Memories, a project funded by the European Commission, continues its work preserving and honouring the memory of

human rights violations throughout Europe and the struggles for democracy and freedom that have played out on the Continent in the past 100 years. This academic year an additional programme of support for students and refugees was launched, which assisted more than 60 individuals.

The UB also organized its first *Panera Solidària* (“Solidarity Hamper”), with gifts provided through University partners and services. This was an activity designed as a project for labour integration and the promotion of interculturalism through urban and local agriculture, aimed at young people aged 18 to 25 in the Besòs and North Barcelona regions.

**Volunteers UB** is an initiative aimed at building a more committed and socially responsible university. It has included participation in the activities of various charitable associations, including the collection of medicines, food, toys and clothes for the Red Cross, the Food Bank and the Arrels Foundation, and has organized solidarity activities, such as providing accompaniment for elderly people or educational support for children.

Additionally, the CRAI has worked with the Catalan Ministry of Justice for the benefit of the entire community: throughout 2015 some 15 people have been incorporated in social rehabilitation programmes within the UB libraries. The University also collaborated with the “Recycle Culture” campaign for Saint George’s Day.



For the first time the UB enters the women’s road running race Carrera de la Mujer



The UB stand at the Saló de l'Ensenyament education fair



## Student services



### Information and orientation activities for future and incoming students

The Student Support Service planned and coordinated several information and orientation activities especially designed to facilitate the transition to university for prospective students of varying backgrounds, and to provide new students with the tools they need to integrate and adapt to the university environment.

To distribute information about the education programmes on offer, the UB participated in the National Education Fair; Futura 2015, for master's degrees and postgraduate programmes; the Aula Madrid education fair, and the Ciutadella Higher Education Fair in Mallorca, among others. It also participated in the University Orientation Unitour, attending fairs in Tenerife, Las Palmas, Palma de Mallorca, Valencia and San Sebastian.

Orientation and information on the transition from high school to university education was provided through targeted initiatives such as *Apropa't a la UB* (Come to the UB) and *La UB s'apropa* (The UB comes to you). In 2015-2016, through *La UB s'apropa*, the UB advised **11,127 students** from the **195 secondary schools** it visited (including schools in Ibiza). The activity *Apropa't a la UB* offered a new format, structured around presentations on three separate topics: the bachelor's degree offering at the UB; academic guidance for success in the choice of studies, and

specialized information on the bibliographic data programme Zotero.

Information on the University of Barcelona's various faculties and schools and the bachelor's degrees on offer was also provided to 4,008 visiting secondary school students at UB Open Days, and activities such as workshops, laboratory sessions, geological excursions and courses were also offered to secondary schools.

The University collaborated in the promotion and management of various **contests and prizes** sponsored by different faculties and schools, such as the UB-Ferran Adrià Award with Gallina Blanca (Faculty of Pharmacy – Torribera Campus), CETT-UB awards for research projects in tourism, the Crystallization Contest (Faculty of Geology), and the Photophilosophy Exhibition (Faculty of Philosophy), among others.

The first **Secondary School Debate Competition** was organized, coordinated by the Vives University Network. Some 13 secondary schools registered to participate in the local stage, which was won by Col·legi Shalom of Barcelona, who went on to represent the University of Barcelona in the final, which took place at the Polytechnic University of Valencia.

The **welcome programme** was extended to all new students at the UB, who were provided with all the information required to facilitate their integration into the University. The various UB faculties and



Chemistry workshop Fem Química al Laboratori, for high school students, has been running for 15 years



schools organized information sessions for new students, and a student diary was produced including information on activities, services, processes, useful telephone numbers and addresses, and other specific material was distributed to foreign students (conversation guides, Barcelona guides, accommodation information, and so on).

Concerning information for students, a total of **47,394 inquiries** regarding academic programmes and services were answered, including telephone, email and face-to-face inquiries, and the web portal MónUB received a total of 17,341,192 visits over the course of the academic year.

In the area of accommodation, the University once again collaborated with the Catalunya-La Pedrera Foundation's *Viure i Conviure* accommodation programme (the UB is the public university with the highest number of students enrolled in this programme). Also, in collaboration with Barcelona Centre Universitari and several private residences, a number of agreements have been signed with the aim of providing a more extensive offer of student accommodation.

Moreover, the **CRAI Libraries** provide students with all the resources they need to facilitate learning and study throughout their time at the UB. This academic year undergraduate students borrowed 445,746 documents, and 9,125 students participated in training courses on information resources.

## Career services

The **Feina UB** programme helps UB students with the career process by providing support and advice through the various faculties and schools, directly to students and to companies and institutions. This academic year the Job Bank listed 10,838 job offers and registered 6,759 new students.

Regarding internships and placements, 14,021 students completed work placements with companies and institutions, of which 3,937 were extra-curricular placements, 215 were completed abroad, and 84 took place within the framework of the mobility programme Erasmus+. Development of the new GIPE application for integrated management of external work placements has continued. Through the Inter-University Council of Catalonia, the UB participated in the development of a model framework agreement for students to undertake placements within departments of the Government of Catalonia.

The fifth round of Santander Grants for paid internships also took place. Thanks to this collaboration agreement between Banco Santander, the Conference of Rectors of Spanish Universities and the Spanish Confederation of Small and Medium Businesses, more than 236 students enjoyed the benefit of 192 scholarships. In addition, 177 secondary school and university students from Spanish and international schools completed an internship at a UB-affiliated centre.



FEINA UB  
PROGRAMME

14,021

students completed  
external work  
placements



The **Barcelona Entrepreneurship Institute (BIE)** is the UB institution in charge of coordinating, steering and overseeing all kinds of activity related to the support of entrepreneurship for teaching and research staff, students and alumni. As defined in its strategic plan, the BIE has three core strategies: to stimulate entrepreneurial initiatives; to support their development; and to provide entrepreneurial benchmarks.

### Careers guidance

Several **careers guidance programmes** were carried out, involving **7,009 students**, designed to provide advice in decision-making, career orientation and the development of relevant skills.

**Skills training** on offer included 39 face-to-face training courses and three online courses provided via the Virtual Campus, with **1,529 students** having participated in these. For the first time the UB offered an online course in Personal Branding and Web 2.0 Tools for jobs research, for which 229 students registered.

The **Job Club** has again offered personalized advice, resources and activities to help students and graduates define their career goals, build self-knowledge and design a training plan and professional project. Some 903 students visited the Job Club, of which 477 received advice and made use of the available resources, 264 attended the 16 monographic sessions held, and 162 participated in a new programme of fortnightly workshops.

The UB's team of advisers carried out a total of **223 personal interviews** with students and graduates, providing advice on career prospects, options for continuing education or curriculum changes, and guidance for secondary school students on making decisions related to university studies.

They also coordinated a total of **75 careers guidance activities** for the various faculties, which involved 3,269 students in all. Additionally, a number of careers guidance activities were promoted in centres affiliated with the University: activities combining new contents and formats, skills training workshops and orientation seminars for undergraduates.

Within **business fairs** organized by various faculties and schools, a total of 720 students participated in 31 careers guidance activities, including the revision of curricula, simulated interviews, and training workshops on the preparation of a curriculum vitae for job applications.

The University actively participated in the work group Guides and Tools for University Orientation, of the University Information and Orientation Services, in the development of a questionnaire to identify the variables involved in the choice of university studies.

### Student integration programmes

Actions undertaken within the scope of integration programmes are designed to help disabled students

“The University is a learning platform that must reflect a critical, incisive, bold approach that is also empirical and rigorous.”

**Olga Jubany,**  
Lecturer with the Department  
of Social Anthropology and coordinator  
of the Divercity project for  
the LGTB population

or those with special needs enjoy equal opportunities in academic life. The various services and resources for this student group are offered through the **Fem Via programme**, which served the 731 enrolled students with a disability of 33% or more, and the **Avança programme** for students with special educational needs, which was used by 82 students.

The University collaborated with other services and centres in the organization of related activities, such as the Workshop on Students with Special Educational Needs and the Workshop on Accessibility to Digital Teaching Materials, part of the tutorial action plan of the Faculty of Economics and Business. The UB also participated in meetings and activities with other associations related to this field.

### **Student representation**

The student community was consulted on the new model for academic management of teaching at the University, known as “3 + 2”, with a mean participation of 15.21% in each of the three questions posed. Meanwhile, elections were held to choose student representatives to the Senate and to the academic councils: student representatives to the Senate were elected in 18 faculties and schools, and student elections were carried out in 44 academic councils. Student participation in the votes stood at 11.87% for the academic councils, and at 7.17% for the Senate elections.

### **Alumni UB**

With a current membership of 5,103, the objective of Alumni UB is to establish a stable relationship between the University of Barcelona and its former students, and create a context of common services, knowledge exchange, relationships, opportunities, professional growth and shared benefits.

Over the 2015-2016 academic year it organized **37 activities** related to diverse areas of knowledge, which were attended by **2,217 individuals**, 423 of whom were Alumni UB members. In the area of job offers, **1,141 companies** used the Alumni UB platform, through which **1,728 positions** were published. Some **23 activities** related to careers were held, with **695 attendees**. The profile of Alumni UB has been raised through the publicity campaign known as *Orgull UB* (UB Pride).



Elections for student representatives to the Senate





“What I have always seen at the University of Barcelona is a desire to train students so that they work to achieve the project they believe in.”

**Jordi Vallès**, Student of the double degree in Business Administration and Management and Law





# A UNIVERSITY AT THE FOREFRONT OF EDUCATION

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Academic course offering

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Additional academic opportunities

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Support services for teaching,  
improvement and educational innovation

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3



## Academic course offering

In the academic year 2015-2016, the UB offered **71 bachelor's degree programmes** and approval was received to introduce two new degrees: an inter-university bachelor's degree in Bioinformatics, which will be delivered jointly by the University of Barcelona, the Universitat Politècnica de Catalunya and Pompeu Fabra University; and a degree in Art Creation for Video Games and Serious Games, which will be taught at the UB-affiliated School of New Interactive Technologies.

For bachelor's degrees, the UB received **15,502 first-preference applications** for 10,989 places, putting the demand ratio for places at 1.4. The highest numbers of first-preference applications were received for Medicine at the Medicine Campus – Hospital Clínic August Pi i Sunyer (1080), Psychology (992), Business Administration and Management (884), and Nursing at the Bellvitge Health Sciences Campus (682). A total of 43,568 bachelor's

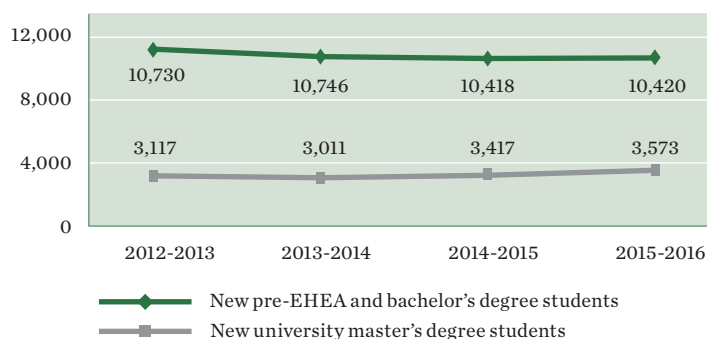
From the classroom to the archaeological site: this is the reality of students of the University of Barcelona's bachelor's degree in Archaeology. Students can participate in a dig on the Faculty's campus, where they work on remains of a ceramics workshop from the mid-nineteenth century.

*Diari de Girona*, 11-7-2016

degree and pre-EHEA students enrolled at UB schools and faculties, including 10,420 new students and 3,777 at UB-affiliated schools.

One hundred and forty-five **university master's degrees** were offered, with 5,300 students enrolled and an additional 2,045 at UB-affiliated schools. The most popular master's degrees were Secondary and Upper Secondary Education, Vocational Training and Foreign Language Teaching (460), Legal Practice (342), Psychology and Education (129) and Advanced Medical Skills (125). Of the total number of students enrolled (including those at affiliated schools), 2,743 (37.3%) are international students, mainly from Latin America and – within Europe – Italy. There are also a significant number of students of Chinese nationality. The teaching of foreign languages was also strengthened, especially in master's courses, in which 12% of instruction was in English.

Evolution of bachelor's, pre-EHEA and university master's degree students at UB schools



TRAINING



47,345

students enrolled in 71 bachelor's degree courses (including UB-affiliated schools)



The accreditation of UB qualifications, started in the 2014-2015 academic year, entails an internal evaluation (a self-report prepared by the heads of each school), a visit to the school by an external evaluation committee appointed by the Catalan University Quality Assurance Agency (AQU Catalunya), and final accreditation by the Spanish Universities Council. In 2015, seven self-reports were prepared by schools seeking accreditation of qualifications, and the corresponding visits were carried out.

In 2015, the University accredited 35 courses, four of which – the bachelor's degree in Political and Administrative Sciences, the bachelor's degree in Law, the master's degree in Company and Business



Law, and the master's degree in Biomedicine – were recognized as being “on track to excellence”. Degrees were also accredited in Fine Arts, Nursing,

### Postgraduate students

Study area	Master's degree courses	Specialization courses and postgraduate programmes	Expert courses	University courses	University extension courses
Arts and Humanities	83	106	9	—	306
Social and Legal Sciences	904	361	129	88	260
Experimental Sciences and Engineering	97	5	67	108	163
Health Sciences	1,968	419	204	161	228
Education Sciences	88	80	74	20	14
Institute of Education Sciences	162	94	22	—	—
Institute for Lifelong Learning	1,812	1,361	17	49	69
UB-affiliated schools	268	45	—	—	264
<b>Total</b>	<b>5,382</b>	<b>2,471</b>	<b>522</b>	<b>426</b>	<b>1,304</b>
<b>% women</b>	<b>71.1%</b>	<b>75.9%</b>	<b>67.6%</b>	<b>55.2%</b>	<b>52.5%</b>

A COMMITMENT  
TO INTERNATIONALIZATION



37.3%

of university master's  
degree students are  
foreign students

Law, Geography and History, Pharmacy, Medicine and Mathematics. During 2016, a further 75 evaluation processes were initiated (for 33 bachelor's degrees and 42 university master's degrees).

A total of 7,190 bachelor's degree students and 71 pre-EHEA degree students **graduated** from UB schools, and 2,866 university master's degrees were awarded. **Special academic achievement awards** were given to two pre-EHEA degree students, 112 bachelor's degree students and 91 master's degree students (for courses completed in the academic year 2014-2015).

The UB also offered 223 **specialization courses and postgraduate programmes**, 252 **master's programmes**, 129 **expert courses** and 100 **higher**

**university courses**, which were taken by 2,471, 5,382, 522 and 426 students, respectively. The presence of many foreign students (22.7% of the total) highlights the strong degree of internationalization that continues to characterize postgraduate studies. The UB's **university extension programme** offered 86 courses, with 1,304 students enrolled. Two master's degrees, two specialization and postgraduate diploma courses, and one expert course were delivered abroad.

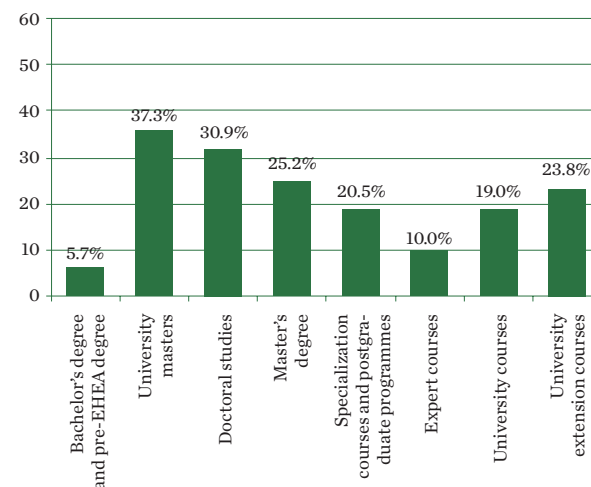
Over the academic year, several **marketing campaigns** were carried out to promote the University's course offering. Campaigns focused on master's degrees, *Els Juliols* summer courses, the International Summer School, the School of Modern Languages and new *Gaudir UB* courses. In the case

#### Internationalization of the student community\*

Studies	International students
Bachelor's & pre-EHEA degrees	2,699
University master's degrees	2,743
Doctoral studies	1,473
Master's degrees	1,355
Specialization courses	506
Expert courses	52
University courses	81
University extension courses	311
<b>Total</b>	<b>9,220</b>

\* Includes students at UB-affiliated schools, the Institute of Education Sciences and the Institute for Lifelong Learning.

#### International students



**FINANCIAL AID  
FOR STUDENTS**



426

beneficiaries  
of the bkUB  
programme



of university master's degrees, the slogan was "UB master's degrees: Choose your path"; the motto for the campaign to promote *Els Juliol's* summer courses was "Knowledge has no limits"; and to boost student participation in international mobility programmes, the UB launched its "Go further" campaign.

**Grants and financial aid**

In the academic year 2015-2016, 20,623 applications were received for **general and mobility grants for bachelor's degrees, pre-EHEA degrees and diplomas, and university master's degrees**. In all, 12,346 grants were awarded, with a total value of 29,970,394 euros, distributed as follows: 12,087,225 euros for grants awarded to students entitled to full exemption from tuition fees, 123,180 euros for minimum variable-sum grants, 2,551,798 euros for residency-dependent fixed-sum grants, 4,362,750 euros for means-tested fixed-sum grants, and 10,845,441 euros for variable-sum grants.

Additionally, 10,050 applications for means-tested **Equity grants** were processed and 7,975 grants were awarded. These grants reduce enrolment fees for students by 10% to 50% depending on which of six means-based categories they fall into.

Lastly, the **University of Barcelona's bkUB programme** encompasses a series of measures intended to ensure that financial difficulties do not prevent anyone from studying at the University. Within the

framework of this programme, over 13,000 bachelor's degree students were provided with financial aid under four grant programmes: *Nou Accés* (for new students), designed to assist those no longer covered by the general grant programme, with 12 applications and one grant awarded; *Signatures Repetides* (for students repeating subjects), with 334 applications and 298 grants awarded; *Situacions Sobrevingudes* (for students affected by unexpected changes in their personal circumstances), with 151 applications and 93 grants awarded; and grants for the study of foreign languages, with 49 applications and 34 grants awarded.

The Spanish Ministry of Education, Culture and Sport awarded 114 **departmental collaboration grants**, with a total value of 228,000 euros. Four hundred and ninety-eight **collaboration grants for services and units** were given, with a total value of 1,879,840 euros; 406 **faculty collaboration grants**, with a total value of 924,324 euros; and 24 grants for the Joan Lluís Vives Institute's **DRAC programme**, with a total value of 3,370 euros.

Under **mobility programmes**, a total of 465 grants were awarded: 443 for placements within the European Union and 22 for placements in other countries. In addition, two exchange grants were awarded to students enrolled in the master's degree in Biomedicine for placements within the Eurolife university network. A further 35 supplementary grants were awarded by Banco Santander (Ibero-America Grants), providing a total of 105,000 eu-





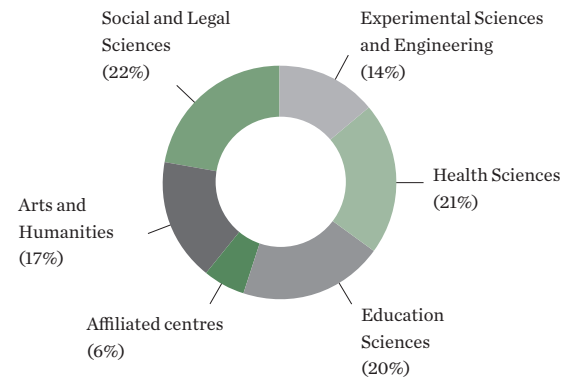
### Grants and financial aid awarded

Grant awarded	Number	Amount (€)
General	12,346	29,970,393.62
Departmental collaboration	114	228,000
Collaboration with UB services	498	1,879,839.54
Collaboration with UB faculties/schools	406	924,323.50
Company placements	248	336,618.04

Other financial aid	Number
DRAC programme	24
Mobility programme	465
Eurolife network grants	2
Banco Santander Ibero-America Grants	35
Casio grants	50
<i>Els Juliols</i> grants	35
Entrepreneurship Chair grants	1
International Summer School grants	2
bkUB programme	426
Equity grants	7,975

ros in funding to support students who took part in various international exchange programmes. Thirty-five 70-euro grants for *Els Juliols* summer courses and 50 Casio grants for express English

### General and mobility grants for bachelor's, pre-EHEA and university master's degrees



summer courses (173 euros each) were also awarded. A UB Entrepreneurship Chair grant to study at the *École des Hautes Études Commerciales de Montréal* (equivalent to the tuition fee) and two 1,000-euro grants for the International Summer School, co-organized by the University of Barcelona and the University of Milano-Bicocca, were also given.

Within the framework of the **SICUE national mobility programme** (SICUE: Spanish University Exchange System), the UB signed bilateral agreements with 51 Spanish universities. Eighty-seven UB students and 295 students from other universities participated in the programme.

A COMMITMENT  
TO LANGUAGE  
TRAINING

12 foreign languages  
at the EIM

## Additional academic opportunities

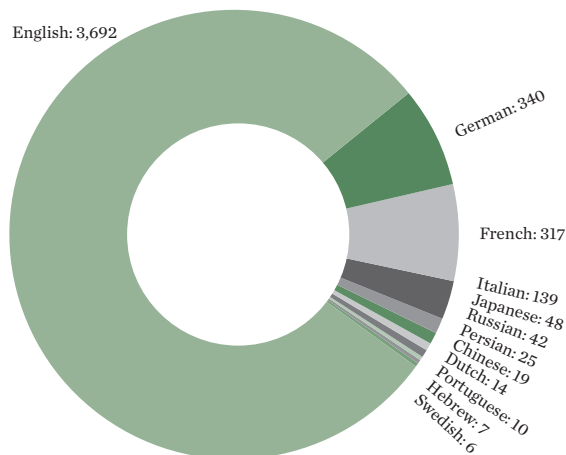


The UB's **Further Training** area encompasses the School of Modern Languages (EIM), Hispanic Studies language and culture courses, *Els Juliols* summer courses and the University of Experience.

In the academic year 2015-2016, the **EIM**, Catalonia's first university language school, established a network of 20 accredited centres (in 15 cities) that ensure quality in language instruction provided to over 4,600 students.

The **Educational Programmes** area offered courses in 12 languages: German, English, French, Hebrew, Italian, Japanese, Dutch, Persian, Portuguese, Russian, Swedish and Chinese. A total of 4,659 students and 67 teachers took part. Over the year, 3,684 level tests were conducted, 753 language accreditations were granted, and 133 official examinations were organized.

### Students enrolled in courses at the EIM



In the **Corporate Solutions** area, 52 courses tailored to the specific needs of participating groups were delivered to a total of 572 students.

The **Institute of Hispanic Studies** offers Spanish language and culture courses for visiting students. With a tradition that goes back over 60 years, the Institute organizes and delivers Spanish courses to students taking part in the Erasmus programme and runs examinations for the Cervantes Institute's Diploma in Spanish as a Foreign Language (DELE). It also designs, organizes and teaches courses for groups with specific needs or requirements.

In 2015-2016, a total of 2,417 students enrolled in courses at the Institute. This figure includes 380 Erasmus students and 357 participants in the 64th edition of the Course in Hispanic Studies, Language and Culture for Non-Spanish Speakers. Twenty-two intensive language courses were delivered, with a total of 327 students, and special courses were organized in Spanish as an instrumental language and Spanish for specific purposes, including Spanish for Economics and Business, Conversational Spanish, Writing in Spanish, Reading Short Texts, and Spoken Spanish for Everyday Situations. Eight hundred and ninety-nine candidates took the examination to obtain the Diploma in Spanish as a Foreign Language (awarded by the Cervantes Institute).

In the summer, the UB held the 20 annual **Els Juliols** programme. A total of 1,543 students enrolled in 50 summer courses led by 441 teachers. Various

“The University holds a wealth of exceptional bibliographic, architectural and artistic heritage, which is our legacy and is fundamental for the city.”

**Ramon Dilla,**  
Technician in the Institutional Relations  
and Protocol unit, manager of guided tours  
of the Historic Building

The University  
of Experience served  
nearly 1,000 enrolled  
students



entities and foundations and nine town councils collaborated on the courses, which were held in Barcelona, Badalona, Sant Joan Despí, l’Hospitalet de Llobregat, Cornellà de Llobregat, Vilafranca del Penedès, Terrassa, Alella and Viladecans. The programme included the ninth edition of the **Women’s Summer University**, organized in collaboration with the Cornellà City Council’s Information and Resource Centre for Women.

The **Gaudir UB** programme, based in Badalona, Barcelona and Sant Joan Despí, was also run again this year. Seventy courses (open to all) were offered; 1,086 students and 108 teachers took part.

The sixth edition of the **University of Experience** – the UB’s learning initiative for over-55s of any educational background – was held this year. The programme attracted 1,114 students, 586 of whom were new students. The majority were aged between 55 and 65, and 67% were women. Twelve study programmes were offered, including a course of further study on Astronomy and Meteorology. This

year two groups were run for the courses on Art History and Philosophy held in Badalona. The University of Experience delivered 23 courses and once again organized complementary activities, such as courses in French and English for specific purposes, courses in physical activity and chi kung, and a variety of introductory music and instrumental courses (organized jointly with the Conservatory of the Liceu). Within the framework of this initiative, the UB also took part in the 18th edition of the Saló de la Gent Gran de Catalunya, an event aimed at senior citizens.

**Catalan language courses** provided by the UB’s Language Services were offered as year-long, single-term and intensive summer courses at CEFR levels A1, A2, B1, B2, C1 and C2. Successful students received official certificates of accreditation from the Government of Catalonia and recognition of ECTS credits for their degree studies. Catalan classes were also offered to teaching and research staff seeking to obtain a certificate of proficiency in Catalan for teaching at the UB, a qualification officially recognized as equivalent to “Level C” as defined by the Government of Catalonia. Specially designed courses and Catalan language proficiency tests were also offered for administrative and service staff. A total of 83 courses were run, with 919 students enrolled.

Under the **Plan for Languages**, UB students and staff were able to use Rosetta Stone computer-assisted language learning software, a self-access language-learning tool offered via the Virtual Campus. A total of 876 language learners from



A COMMITMENT  
TO SOCIETY



1,114

students enrolled in 12 programmes  
at the University of Experience



different sectors of the university community made use of the system. The UB's self-access language centres also facilitated the formation of conversation groups in English (with 888 student participants), French (70 participants), Italian (14), German (52), Russian (3), Portuguese (2) and basic Catalan (24). Other offerings included a workshop on oral presentations in English (which attracted 14 students), a group for beginners in German (9), and a group to prepare students to take the First Certificate in English examination (9).

One hundred and thirty-seven foreign students participated in conversational exchanges with 160 local students through the UB's **Language Exchange** programme, which is integrated in the welcome programme for mobility students. Catalan students were able to practise 18 languages spoken by mobility students while providing language and cultural support in Catalan in exchange. Over the academic year, 20 guided tours and a variety of cultural activities were also organized.

### Students enrolled in lifelong learning courses (IL3)

Type of course	Open courses		Corporate solutions	
	Students	Courses	Students	Courses
Distance	6,748	43	—	—
Online learning	9,531	249	490	20
Face-to-face	2,403	116	569	32
Blended learning	891	36	408	18
<b>Total</b>	<b>19,573</b>	<b>444</b>	<b>1,467</b>	<b>70</b>

The **Institute for Lifelong Learning (IL3-UB)** worked to strengthen its course offering and identify needs related to new professions of the future, designing programmes that foster the talent of participants so they can develop, strengthen and apply skills acquired in their professional fields. The Institute also seeks to ensure that programmes are up-to-date and of high quality and to guarantee assimilation and applicability of content.

The **Talent Hub** project was launched in collaboration with the Human Age Institute. Aimed at the student and alumni community, the project analyses the personal skills of individuals and how they evolve and adapt to the labour market, enabling users to seek opportunities among over 10,000 associated companies. Various actions aimed at advancing the **technological and digital transformation** of the Institute were also carried out to improve both internal management and the user experience.

### Further training and other students

	Students
School of Modern Languages	4,659
Hispanic Studies	2,417
University of Experience	1,114
<i>Els Juliols</i> summer courses	1,543
<i>Gaudir UB</i> courses	1,086
Language Services Catalan courses	919



## Support services for teaching, improvement and educational innovation

The **Learning and Research Resources Centre (CRAI)** comprises seventeen libraries and seven cross-university units that facilitate access to and disseminate information resources, as well as collaborating in learning and knowledge creation.

The CRAI supports teaching and research staff by managing and providing information resources and the services that staff need to carry out their work, and offering guidance on the development of teaching materials, publication, copyright, and the use of platforms and tools.

The CRAI was involved in 30 projects to create new teaching materials, developed 18 new tutorials (published in the UB Digital Repository), and reviewed and approved 170 publications in the UB's specialized teaching collections. It also delivered 65 training sessions on teaching tools and resources, held 121 meetings with teachers to advise them on teaching tools and resources, and, in coordination with the UB's teaching resource points, responded to 5,645 queries submitted through the User Support Service.

The **Teaching Improvement and Innovation Programme** supports continuous improvement in teaching at the UB by fostering teaching innovation and activities that allow teaching staff to share their experience. Ninety-seven innovation proposals were managed (with total funding of 75,000 euros), and 51 new **teaching innovation projects** were approved, with 31 (involving 1,143 teachers) receiving funding.



As for the UB's **teaching innovation groups**, 71 consolidated groups and 27 recognized as “not consolidated” (including one new group that submitted its proposal in the academic year 2015-2016) were all re-accredited. Specific funds and support staff for consolidated groups and funding to disseminate the activities of all recognized groups were maintained.

In the 2015-2016 academic year, the UB reaffirmed its commitment to **massive open online courses (MOOC)** through the Coursera platform, which extends advisory service, technological assistance and support in materials development. Five courses, involving 31 teachers, were offered. Over 22,000 students enrolled in MOOCs, and nearly 200 certificates were issued.

The thirteenth **formal assessment of teaching activity** was carried out. The participation rate for



eligible teaching staff was 77.8%, and 93% of those who took part received positive evaluations. Participating teachers were able to manage the process via a specific teacher assessment app that can be accessed from the *Carpeta Docent* (Teacher's Portfolio). Members of the UB's Teaching Assessment Committee also found new ways to use the app to facilitate the assessment process. For the first time, teaching staff subject to assessment were asked to complete a satisfaction survey. The assessment process received an average score of 6.47 out of 10 from respondents.

As for **opinion surveys** on subjects and bachelor's and university master's degree teaching staff, the app for mobile devices became firmly established, and actions aimed at encouraging student participation were maintained. In the two semesters,

161,187 responses were submitted online, with a participation rate of 21% for bachelor's degree courses and 33% for university master's degrees. A total of 14,470 reports were produced. The participation rate was particularly high for the Faculties of Chemistry, Philology and Earth Sciences.

The functions of the **Institute of Education Sciences (ICE)**, founded in 1969, include analysing the training needs of teaching staff and designing proposed actions, promoting and fostering educational innovation, providing guidance and advice on research, disseminating best practices, and developing training materials on a range of media. Two hundred and ninety-five educators participated in training activities organized by the Institute, and the number of enrolled students was 10,576 (71.3% women).



**Activities offered by the Institute of Education Sciences**

Course/activity	Enrolments
Lifelong learning for teachers in early childhood, primary, secondary and vocational education, and professionals working in social and community education	4,647
Online training	106
University teacher training	5,469
Postgraduate courses and master's degrees	354
<b>Total</b>	<b>10,576</b>



“Research that is not connected to social reality or daily life will lead to poor, distorted conclusions.”

**Olga Jubany**, Lecturer in the Department of Social Anthropology and coordinator of the Divercity project for the LGTB population



# A UNIVERSITY AT THE FOREFRONT OF RESEARCH

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Promotion, funding and  
internationalization of research

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Research and scientific output

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Technology and knowledge transfer  
and innovation

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Doctorate

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4





## Promotion, funding and internationalization of research

Research at the University of Barcelona has a strong international presence in the following main areas: life sciences and medicine, experimental sciences (physics, mathematics, geology and chemistry), economics, business sciences, law, humanities (philology, philosophy, history and geography) and education and behavioural sciences.

As part of the European Commission's **Horizon 2020** programme, the University has been awarded 61 research projects for a value of over 20.2 million euros. The UB coordinates 21 of these projects. In the last **European Research Council** call for proposals, the University was awarded three projects: an *advanced grant*, a *consolidator grant* and a *proof of concept*. The latter enables researchers to bring their research closer to the market and thus promote knowledge transfer in the production sector. Due to the success of these calls, the University has introduced a policy of promoting and helping its researchers, through a call for grant applications promoted by the Vice-Rector for Research, Innovation and Transfer.

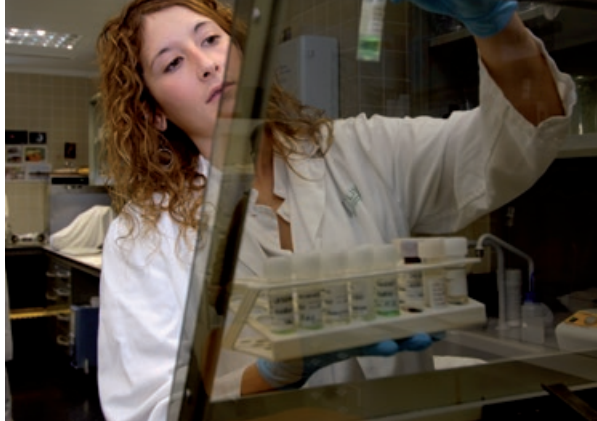
The UB participates in major international research projects, such as the **EIT Health** consortium, which is comprised of 140 entities and companies and promoted by the European Institute of Innovation and Technology (EIT). The UB and the company Atos coordinated the Spanish node, until the node became the EIT Health Spain association in July. The node, which has 18 partners, is based in the Barcelona Science Park. Due to the UB's participa-

tion in EIT Health activities, four subsidised projects (two on innovation and two on education) are being carried out, including the IBD4Health Summer School, which the UB coordinates with the University of Grenoble. At the call in 2016, seven proposals for innovation projects, seven for education, and one for an Accelerator programme were presented by researchers from the UB and the UB Group.

In the **RIS3CAT** programme, the Research and Innovation Strategy for the Smart Specialisation of Catalonia, the University is participating in five of the ten communities that have been presented (two on health, one on water, one on advanced production and one on food), to cover the seven leading sectors. In addition, the UB and the Alícia Foundation coordinate the RIS3CAT Gastronomy Community.

In the 2015 call of the **National Plan for Scientific and Technical Research and Innovation**, overseen by the Spanish Ministry of Economy and Competitiveness, the University was awarded 146 research projects and received over 10.8 million euros, which positions it as the Spanish university with the highest number of projects and amount of funding received. Of these projects, 87 correspond to the Spanish national programme to foster scientific research and technology of excellence, and 59 to the Spanish national research, development and innovation programme to meet social challenges.

The University also received other external funding for research. In particular, five grants were awarded



in the 2015 call for the **ICREA Academy** award programme, three projects were selected in the sixth call for the **RecerCaixa** competitive programme, and thirteen projects involving UB researchers were awarded in **La Marató** of 2014, which was dedicated to biomedical research on heart disease.

In the 2015 call to obtain recognition as a **Severo Ochoa Centre of Excellence**, two institutes in which the UB participates received this distinction: the AgriGenomics Research Centre (CRAG) for the first time, and the Institute of Biomedical Research (IRB), which had the distinction renewed. In addition, after the initial five-year period of activity of the **HUBc Health Campus of International Excellence**, it received the highest possible rating, an A, from Spain's Ministry of Education, Culture and Sport.

In order to foster interdisciplinary practice and coordinate the complementary research that is carried out in various groups, the creation of

institutes and research centres has been promoted. The **UB Institute of Complex Systems (UBICS)** was founded and the following research centres were recognised: **Research Centre in Theory, Gender and Sexuality (ADHUC)**, the **University Centre for Sociolinguistics and Communication (CUSC)** and **POLIS: Art, City, Sustainability**. In addition, at the end of 2015, the Institute for Research on the Brain, Cognition and Behaviour (IR3C) became the **Institute of Neurosciences of the University of Barcelona (UBNeuro)**, and extended and modified its internal regulations.

Activities carried out to increase the visibility of the University's research capacity included the publication of a document entitled **Research at the University of Barcelona 2016**, which presented updated data and more detailed information about the research capacity, infrastructure and resources of UB researchers.

The **Biosafety Committee of the University of Barcelona** was founded to advise, assess and support scientific research tasks and teaching activities that involve the use of biological agents and ensure that legal biosafety obligations are met.

During 2015, a new call for grant applications was announced as part of the **Talent Retention Programme**, to improve the terms of continued employment at the UB for teaching and research staff. The University was also involved in managing the **Ramón y Cajal** and **Juan de la Cierva** calls for



The University of Barcelona hosted the most recent meeting of the League of European Research Universities' Policy Committee



grant applications, organised by the Spanish Ministry of Economy and Competitiveness.

To award the UB the **HR Excellence in Research**, which shows commitment to the European Charter for Researchers and the Code of Conduct for Recruitment, the European Union required the development of an 11-point action plan, which will be audited at an appropriate time. Implementation of the plan began in September 2015.

The UB continues to be the only Spanish university represented in the **League of European Research Universities (LERU)**, which includes the best 21 European research-intensive universities. In 2015, a report was published on the economic contribution and social impact of this group of universities. According to data in this report, entitled the *Economic Contribution of the University of Barcelona*, the University is a key agent in the Catalan and Spanish business sector because it directly or indirectly generates 22,000 workplaces in Catalonia and 26,500 in Spain. The report also states that, for each euro it receives, the University of Barcelona generates 4.97 in the European economy. This report is public and available to the entire university community.

The University is fully involved with LERU: UB representatives attended almost all of the work

meetings that took place during the academic year, and participated in drawing up reports. Initiatives that LERU has carried out recently include the publication of a manifesto in favour of open access, as well as the preparation of various publications on citizen science and interdisciplinary research. In addition, during academic year 2015-2016, the UB hosted meetings of representatives of the Senior Officers' Network, social sciences and humanities communities, Vice-Rectors of Research, and the Policy Committee of the League.

In addition, the University of Barcelona is an active member of various international research networks, such as **EuroMarine**, a multinational, multi-institution European consortium to promote cross-cutting, multidisciplinary marine research, and the **European Consortium for Political Research**, an international association of academic institutions dedicated to teaching and research in political science and international relations. In addition, during 2015-2017, the UB is coordinating the **Eurolife** network, a consortium of eight European universities dedicated to research and teaching in the field of medicine and biomedicine. Initiatives led by the UB include student exchanges, the design of a new webpage and various calls to promote collaboration between researchers who belong to the institutions that are members of Eurolife.

## Research and scientific output



The **income from competitive research** undertaken at the eighteen UB faculties and university schools amounted to 45,579,084 euros for a total of 489 research activities. This figure includes Spanish and European projects, as well as other grants, such as five awarded under the ICREA Academy programme to encourage and reward excellence in research undertaken by staff of Catalan public universities. These five grants totaled one million euros. During 2015, public grants and corresponding recognition were awarded in the 2014 call for Severo Ochoa Centres of Excellence. In addition, the Institute of Cosmos Sciences (ICC), for two million euros, and the Barcelona Graduate School of Mathematics, which is part of the Institute of Mathematics (IMUB), received the distinction of María de Maeztu Unit of Excellence.

The UB signed 35 European projects as part of the **European Commission's Horizon 2020 programme**, the Framework Programme for Research and Technological Development, for a total of 10,097,201 euros.

The University also signed 43 research **agreements**, for which 248,305 euros was awarded.

In the **internal call for grant proposals**, 17 grants were awarded as part of the Talent Retention Programme. An internal grant call was also held to promote participation in international research projects under the Horizon 2020 programme. In total, 26 grants were awarded for a total of 150,000 euros.

Regarding **research structures** through which research is promoted and coordinated, in 2015 the UB had twelve of its own research institutes, two university institutes, ten observatories and three documentation centres. In addition, the UB is a participant with other institutions in ten joint research institutes, two joint observatories and three interuniversity institutes.

### Research funds raised in competitive calls for applications

Type	Number	Amount (€)
Projects	286	31,470,469
Complementary actions	16	368,836
Grants	187	13,739,779
<b>Total</b>	<b>489</b>	<b>45,579,084</b>

Origin	Activities	Amount (€)
Regional government	89	5,772,037
Central government	299	26,226,823
Local government	1	5,000
Foreign public administration	3	79,967
Other	4	80,979
European Commission	41	10,549,332
Private sector: IPSFL and companies	30	1,154,838
Public sector: IPSFL	22	1,710,108
<b>Total</b>	<b>489</b>	<b>45,579,084</b>





## RESEARCH AND TECHNOLOGY TRANSFER

# 88,987,953

euros received for research and technology transfer  
in competitive and non-competitive calls

### UB research institutes, university research institutes, research institutes in which the UB participates and interuniversity institutes

#### UB research institutes

- Institute of Biomedicine (IBUB)
- Institute of Cosmos Sciences (ICC)
- Institute of Nanoscience and Nanotechnology (IN2UB)
- Institute of Theoretical and Computational Chemistry (IQTUB)
- Biodiversity Research Institute (IRBIO)
- Water Research Institute
- Research Institute of Applied Economics (IREA)
- Institute of Nanoscience (UBNeuro)
- Institute for Research on Medieval Cultures (IRCV)
- Nutrition and Food Safety Research Institute (INSA)
- Geomodels Research Centre
- Institute for Legal Research (TRANJUS)

#### University research institutes

- Institute of Mathematics (IMUB)
- University Institute of Ancient Middle East Studies (IPOA)

#### Research institutes in which the UB participates

- AgriGenomics Research Centre (Crag)
- Centre for Ecological Research and Forestry Applications (CREAF)
- Catalan Institute of Climate Sciences (IC3)
- Barcelona Institute of Economics (IEB)
- Bellvitge Institute for Biomedical Research (IDIBELL)
- August Pi i Sunyer Institute for Biomedical Research (IDIBAPS)
- Institute for Bioengineering of Catalonia (IBEC)
- Institute of Biomedical Research (IRB)
- The Catalonia Institute of Energy Research (IREC)

- Barcelona Institute for Global Health (ISGlobal Barcelona)

#### Interuniversity institutes

- Inter-University Institute of Women's Studies and Gender Research (IIEG)
- Barcelona Institute of International Studies (IBEI)
- Barcelona Graduate School of Mathematics (BGSMath)

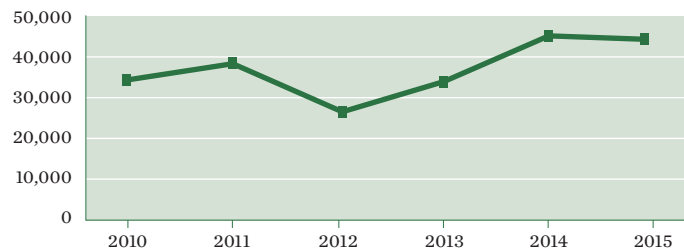
#### Subject chairs

- Antoni Gaudí Chair
- Cellex Chair in Oncology and Multidisciplinary Knowledge
- UB Chair in Energy Sustainability
- Chair of Tourism, Hospitality and Gastronomy
- Family Business Chair
- ICEA-UB Chair on Insurance and Pension Funds
- Joaquim Xirau Chair
- Pasqual Maragall Chair on Economy and Territory
- Ramon Llull Chair
- Ramon Trias Fargas Chair on Catalan Economy
- Sent Soví Chair
- UB Chair on Meat and Health
- UB Chair for Research and Teaching in Internal Medicine
- UB Rector Francisco Buscarons Úbeda Chair. Forensic Chemistry and Chemical Engineering
- UB-Danone Chair
- UB-Telefónica Chair on Smart Cities
- UB-Zurich Chair in Insurance
- UNESCO Chair in Bioethics
- UNESCO Chair in Gender, Development and Cultures
- UNESCO Chair for Environment and Sustainable Development



A university at the forefront of research

Evolution of competitive research funding at UB faculties and university schools (in thousands of euros)



Under the National Agreement on Research and Innovation and the new Research and Innovation Plan, the following **research groups** applied for government funding in 2014: 301 consolidated research groups, 22 emerging research groups, 17 groups managed by the August Pi i Sunyer Biomedical Research Institute (IDIBAPS), 6 managed by the Bellvitge Institute for Biomedical Research (IDIBELL) and 12 by other participating institutions.

According to the international database of the Institute for Scientific Information (ISI), the **scientific output of UB researchers** includes 5,186 scientific publications, 4,265 of which are in the Science Citation Index Expanded, 741 in the Social Sciences Citation Index, and 180 in the Arts & Humanities Citation Index.

In the area of **scientific dissemination**, the second UB Science Festival was held this academic year,

Summary of income for technology and knowledge transfer and research

Projects	31,470,469
Complementary actions	368,836
Grants	13,739,779
UB research agreements	248,306
FBG contracts	8,697,446
CCiTUB services	3,236,328
Income generated by UB researchers at institutions*	31,226,789
<b>Total</b>	<b>88,987,953</b>

\* Includes income from the activity of UB researchers in competitive and non-competitive research projects at the IDIBAPS, IDIBELL, IBEC, IREC, IRB, CREA, IECC, Barcelona Institute for Global Health (ISGlobal) and the CRAG.



SCIENTIFIC  
OUTPUT

5,186

scientific publications  
collated by the Institute for  
Scientific Information (ISI)

Secondary school  
students gain  
practical experience  
in the University  
of Barcelona  
archaeological digs  
in Raval



with the participation of more than one hundred researchers. The consolidation of “La UB Divulga” activities, with projects such as *Theatrum Sapientiae* dedicated to Pius Font i Quer, *Camins infinits* and the second edition of *ArqueUB*, among others, helped the Scientific Culture and Innovation Unit to gain the Seal of Educational Quality from the Educational Council of Barcelona, retain its membership of the Network of Scientific Culture and Innovation Units, and reach over 5,000 people.

The **CRAI Research Unit** and CRAI Libraries at each centre validate researchers’ papers and publish them in the Digital Repository, where they are available in open access format. This year, 1,882 documents were added to the research collection. These were mainly research papers, but also included working papers, contributions to conferences, and book chapters. The CRAI Research Unit manages grants to support publishing in open-access journals, through which around fifty papers were published in 2014. It also manages

the scientific journal portal (RCUB), which hosts around thirty UB journals and provides links to the rest of the publications created and edited by the University.

The **Barcelona Science Park (PCB)** promotes innovation and knowledge transfer by focusing on the relationship between the University, public research organisations and businesses. It is an environment in which public research and business innovation share the same space and have common objectives. In 2015, a total of 95 entities used the PCB, of which 59 were companies (47 on-site and 12 off-site associates), 18 were non-profit entities, 9 were UB groups and units, and 9 were various PCB services. Between all of the entities together, the user population stood at 2,078 people.

The PCB has a **total built area** of 95,410 sq m and usable space of 59,724 sq m, of which 52% is occupied by clients. The total area that is leased is 21,278 sq m, and 21,703 sq m are laboratories.

In the area of the high added value **scientific and technological services** that are offered to entities in the PCB and, through technology platforms, to the entire research community that requests them, the UB’s Core Scientific Services have been used by around a thousand users and the radioactivity unit and technology platforms (Proteomics, Combinatorial Chemistry and Toxicology) provided a service for 220 clients (entities and research groups) and generated 28 scientific publications.



Twenty international delegations were received from Europe, Asia, Latin America, the United States and Canada.

A new agreement was made by the Spanish Ministry of Economy and Competitiveness, the Government of Catalonia, the PCB and the Centre for Genomic Regulation (CRG), to legally integrate the **National Centre for Genome Analysis (CNAG)** into the CRG.

The **Science and Technology Centres (CCiTUB)** are a group of facilities whose main mission is to support research and innovation in the fields of chemistry, materials science and the biosciences. They provide the latest scientific instruments for the scientific and industrial community, and offer advice on experimental techniques.

#### The Science and Technology Centres

Personnel	160
Approximate value of scientific equipment	42,000,000 €
Total campus area	12,000 sq m
Private users	285
Public-sector users	425
UB/FBG users	479
Income from services	€ 4,233,125
Income from training activities	€ 26,924
Income from projects and agreements	€ 80,180

In the area of **activities to promote entrepreneurship and innovation**, the PCB, Barcelona Synchrotron Park and the Pharmaphenix company (on-site at the PCB) organised a pilot internationalisation programme called Step in Barcelona, to explore the South Korean market for potential collaborations with PCB entities. In addition, the seventh edition of the Summer School on Medicines was organised in conjunction with Biocat and various entities in France and Canada. Various talks were organised as well as 19 activities related to creating networks for companies situated in the PCB.

In the area of **communication**, work began on a portal of services to make it easier for clients to request scientific services, reserve rooms, order material, etc. The website has received 94,154 visits from 40,151 visitors, and the impact in the general and digital media was over 1,010 hits. In addition, **scientific dissemination and the promotion of scientific careers** continued to be actively promoted through the Research in Society programme, in which over four thousand children and young people participated.





The Second Science Festival at the UB: over 500 people participated in the activities at this scientific dissemination event.

Ara, 30-4-2016

In the area of **accreditation and certification**, the CCiTUB renewed ISO 9001:2008 certification, as well as the US Food and Drug Administration's (FDA) self-identification as a contract laboratory for drug trials, and the Government of Catalonia's Register of Agri-food Laboratories as a recognised lab. The CCiTUB's Nuclear Magnetic Resonance Laboratory was again included in the **Map of Singular Scientific and Technological Infrastructures (ICTS)**.

The Centres have a portfolio of **3,600 active users per year**, of which 285 are from private entities, 425 belong to public institutions (including the UB Group) and 479 are affiliated with the UB or the Bosch i Gimpera Foundation. In addition, it has supported principal researchers from 96 other public institutions and research centres, and clients from a total of 228 private companies, of which some 89% are small and medium-sized companies based in Catalonia.

The CCiTUB delivered a total of 39 special, **innovative, high value-added services** provided by 12 units in response to analytical problems formulated by 22 private companies and 15 research groups from a range of public institutions.

In the area of **overall quality**, 25 indexed papers were published, with CCiTUB staff as authors or co-authors, 17 courses were taught by various units, visits were received from companies, and technicians visited other companies.

The **income from services** stood at 4,233,125 euros, which is 18% more than last year. **Income from other concepts**, such as the organisation of courses and workshops, and income from university-business agreements stood at 107,104 euros.

The organisation of **training activities** was consolidated, with courses and seminars designed to disseminate technology innovations or new applications of the techniques available at the centre. The CCiTUB also held seven free technology seminars open to the public, and organised and hosted fourteen courses, workshops and symposiums on science and technology.

Also of note is the participation of the CCiTUB in writing the *Guía didáctica de la enseñanza de la nanotecnología* (Teaching guide for nanotechnology) aimed at secondary school teachers so that they can update their physics, biology and technology classes with content on nanoscience and nanotechnology.

In 2014, the CCiTUB was involved in reviewing the **Safety Guide of the Nuclear Safety Council (CSN)** that contains information on the use of radioactive facilities. In 2015, it helped to develop basic recommendations on compiling the information required in records and reports on radioactive facilities. In addition, the Radiological Protection Technical Unit was involved in reviewing various safety guides of the CSN, which is the only state organisation with authority in the area of radiological protection.



## A university at the forefront of research

In the area of dissemination, in conjunction with the Scientific Culture and Innovation Unit and the Institute of Education Sciences (ICE), the **NanoDivulga** project was started to bring citizens closer to nanotechnology and nanoscience.

In addition, the CCiTUB continued to participate in the organisation of the conference, annual meeting and round table of the **Spanish Network of Advanced Optical Microscopy**, created in 2014.

The Secretary-General of Science, Technology and Innovation of the Spanish Ministry of Economy and Competitiveness proposed that the CCiTUB and other institutions should form part of **Euro-BioImaging**, a large-scale European research infrastructure project in the European Strategy Forum on Research Infrastructure, whose mission is to provide access to the latest imaging technologies for European researchers. The infrastructure will consist of a series of complementary nodes that are strongly interrelated and distributed around Europe, and offer specialised facilities. The CCiTUB, together with the IRB and the CRG, will be part of the intravital and *in vivo* microscopy node; one of three that are situated in Barcelona.

As a result of collaboration with the **Josep Carreras Foundation** in 2013, premises for the Advanced Optical Microscopy and Proteomics units were refurbished and equipped in the HUBc health science campus, and were opened the following year. In 2015, a biological irradiator was installed.

In the area of **competitive public funding**, grants for infrastructure valued at 1.5 million euros were applied for within a European Regional Development Fund (ERDF) call for cooperative projects to create, build, purchase and improve shared scientific and technological facilities and platforms. Within the same programme, 3.8 million euros of funding was awarded for a platform for sharing cryomicroscopy equipment.

In the area of **non-competitive funding**, an application has been made to the Government of Catalonia's Ministry of Culture for 12,000 euros for the maintenance and operation of the Radiocarbon Dating Laboratory.

A total of **22 agreements** were signed and, in the **social area**, the CCiTUB collaborated in various actions, such as the Mansol project, visits to secondary schools, a programme of practicals for vocational training students, and dissemination of nanotechnology and nanoscience.

Notable activities of the **Bioethics Committee (CBUC)** were the design and assessment of mandatory reports on bioethics, and the evaluation of ethical aspects of international research projects managed by the Bosch i Gimpera Foundation and Barcelona Science Park. The Committee has collaborated with the Agency for Management of University and Research Grants (AGAUR) to assess the ethics of applicants for Beatriu de Pinós grants, which are awarded by AGAUR. It has also assessed

“Traditionally, science and research were male-dominated, and strong gender stereotypes must still be faced.”

**Núria Pumar**, Director of the Inter-University Institute of Women's Studies and Gender Research (iiEDG) and member of the LERU Gender Working Group

**Anna Villarroya**, Lecturer with the Department of Economics and member of the LERU Gender Working Group



projects submitted in calls for the Government of Catalonia's TECNIOspring Programme, which falls under the Marie Curie Actions of the European Union's Seventh Framework Programme. Along the same lines, the Committee signed an agreement with Pompeu Fabra University (UPF) to evaluate the research projects of UPF investigators, particularly in the area of human and social sciences. From 2016, the Committee will also assess projects submitted to them by the Barcelona Supercomputing Center and a doctoral grants programme that will be started up by the Fundació La Caixa.

The Bioethics Committee carries out ethical assessments of doctoral theses when authorisation is required to undertake doctoral theses that involve human experimentation or use biological specimens of human origin. In addition, the Committee provides advice and, where needed, assistance to teaching staff supervising master's degree final projects, bachelor's degree final projects or practicum reports. To facilitate this task, a new website has been set up that contains all of the documents that must be submitted to the Committee and describes the procedures and other data of interest.

In addition, members of the Committee took part in the LERU Special Working Group on Research Integrity, and the Bioethics Committee was identified as a benchmark for the implementation of this type of committee model across LERU's member universities. The Bioethics Committee also continued to coordinate the Network of Ethics Committees in Universities and Public Research Centres in Spain and the network's website.

Periodically, the Committee has sent communications to the university community on potentially conflictive issues relating to ethics in research.

RESEARCH AND  
TECHNOLOGY AND  
KNOWLEDGE TRANSFER



93 patent  
applications

## Technology and knowledge transfer and innovation



The **Bosch i Gimpera Foundation (FBG)** is the UB's centre for the transfer of knowledge, technology and innovation. It is responsible for advancing the research carried out at the UB and through the UB Group, creating new knowledge-based enterprises or enterprises based on patent licenses, establishing contracts with the private sector and public institutions to carry out R&D projects, and offering advice, consulting, studies, expert opinions and technical or analytical assistance.

In 2015, various companies and institutions **contracted research and other services from** the University. In total, these included 656 research projects for a total amount of 14.61 million euros.

In the area of **protection, valorisation and patent licensing**, 20 license agreements were signed. The income derived from some of these and previous licenses amounted to 258,747 euros. A total of 20 priority patent and 14 international patent applications were submitted and 59 patents entered the national phase in 28 countries. Researchers put forward 53 invention proposals, which were assessed by the Bosch i Gimpera Foundation. In addition, two software technologies were registered and 12 joint ownership contracts were negotiated and signed with other institutions that had participated in the development of the technology that received protection.

In the area of the **creation of businesses and support for entrepreneurs**, in 2015 three technology-based

companies were founded (Care Respite, SL; Karuna Good Cells Technologies, SL; Timepath, SL) and four spin-offs (Cytes Biotechnologies, SL; Neuro-TransVirtual Technologies, SL; Nostrum BioDiscovery, SL; and SM Genomics, SL). Advice was given on a total of 37 projects, including new entrepreneurship projects, business plans and participating companies. With the FBG's support, the companies Impetux Optics, SL, Smalle Technologies, SL, and Cytes Biotechnologies, SL obtained total funding of 635,182 in capital increases.

The Foundation is responsible for monitoring spin-offs in which the UB has a stake through the **UB Innovative and Scientific Culture (CIC-UB)** company. In 2015, the Foundation became a shareholder of the companies Cytes Biotechnologies, SL, Nostrum BioDiscovery, SL and Neuro-TransVirtual Technologies, SL.

It played an active role in the **UB Barcelona Entrepreneurship Institute**, by supporting entrepreneurs, participating in the Steering Committee, supervising one of the projects selected in the Emprèn!UB 2015 award (Solució Electronics and Instrumentation SL), and participating in a committee to select the successful projects in a call for micro-sponsorship applications entitled "ImpulsUB".

With respect to the **administration and management of research and transfer projects**, in 2015 a total of 318 people were hired to undertake tasks





related to research projects (217 for national projects and 101 for European projects). In addition, 133 collaboration grants were awarded through the Health and Safety Service, 55 institutions were visited and 42 work centres were assessed.

A total of 75 **grants** were obtained for 18.84 million euros: 30 from public funds (2.17 million euros) and 45 for research projects funded by the European Commission (16.67 million euros). Of these, 27 grants were from the framework programme (13.81 million euros) and 18 were from other directorate-generals (2.86 million euros). A total of four European projects were awarded with the University of Barcelona as the coordinator, for a value of 6.9 million euros.



### Valorization and licensing 2015

Announcements of inventions	53
Priority patent applications	20
International patent applications	14
National phase patents in other countries	59
Active transfer projects	95
License agreements	20
Software registrations	2
Material transfer agreements	15
Euros from licensing	258,747 euros

### Support for entrepreneurship and the creation of businesses 2015

Business creation proposals received	23
Guided business projects	37
New technology-based spin-offs	7
New companies in which the CIC-UB has a stake	3

In order to **promote university-business collaboration and foster an innovative environment**, the FBG attended the seminar “Academic collaborations to advance early-stage drug discovery”, organised by the Medical Research Council Technology, to learn about the Call for Targets programme, which offers collaboration to develop small molecules or monoclonal antibodies as therapeutic targets. In addition, the FBG and other entities organised the “Health & Bio Team Dating” meeting, to put researchers



## A university at the forefront of research

The Bosch i Gimpera Foundation's Social Council rewards outstanding efforts in research and knowledge transfer

and entrepreneurs in contact with each other and thus encourage the foundation of new health companies.

Furthermore, the FBG participated in 14 events that brought together agents in different sectors. Contact was maintained with four clusters in Catalonia, to incorporate research groups from the University and from leading networks, and to be actively involved in sectors to define new projects and collaborations. The FBG promoted the capabilities of Tecnio-UB centres by attending various fairs and participating in bilateral meetings organised with companies.

The FBG manages six out of a total of eight Government of Catalonia reference networks for research.

The FBG has continued to disseminate the projects of UB researchers who seek funding via micro-sponsorship platforms: four new projects have been posted on the Foundation's website, of which three have reached their target.

The sixth annual Prizes of the UB's Board of Trustees and the Bosch i Gimpera Foundation were held to recognize the best knowledge transfer project (Antoni Caparrós Award) and the most innovative business (Senén Vilaró Award). The winners were Dr Lluís Francesc Santamaria, from the Translational Immunology Research Group, for the project "Knowledge transfer programme in

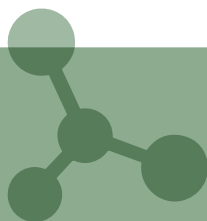
psoriasis between academia and industry"; Dr Josep Maria Sopena, for the "BINDING" project; and the company Worldsensing, SL.

In addition, the FBG promoted the project "Casos d'èxit: innovacions de la UB al mercat" (Successful cases: UB innovations on the market) to disseminate UB researchers' projects that have been launched on the market via the Bosch i Gimpera Foundation. The aim was to increase the visibility of the University as an agent of economic and social development. This year, seven successful cases were published.

### FBG contract of employment

	Number	Amount (millions of euros)
<b>Research on contract</b>	<b>656</b>	<b>14.61</b>
Contracts and agreements	403	9.29
Services rendered and management of	253	5.32
<b>Grants</b>	<b>75</b>	<b>18.84</b>
European projects	45	16.67
Public grants	30	2.17
<b>Total</b>	<b>731</b>	<b>33.45</b>

TRAINEE  
RESEARCHERS



1,131 doctoral theses read

## Doctorate

During the academic year, **48 doctoral programmes** were offered linked to the areas of experimental sciences and engineering, health sciences, social sciences, the arts and humanities, and education. The cross-disciplinarity of the programmes, however, means that many are linked to more than one area. Thirteen of the programmes were run jointly with other Spanish universities, and two were **Erasmus Mundus** programmes. At doctoral level, all programmes currently offered are available in English.

A total of **4,774 trainee researchers** enrolled in the doctoral programmes. Out of these, 30.9% were international students.

A total of **118 doctoral students** were awarded the **international doctorate certificate**, and the Governing Council awarded **81 special doctoral prizes**.

A total of **1,131 doctoral theses** were defended, 477 of which were published on the Doctoral Thesis Network (TDX) and the Digital Repository of the UB.

### Doctoral School

The **Industrial Doctorates Plan** was first introduced in academic year 2012-2013, with the goal of increasing the competitiveness and internationalization of Catalan industry, retaining talent and preparing

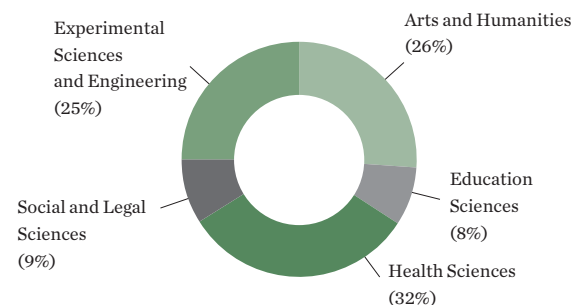
doctoral students to carry out research, development and innovation projects in companies, which would then be the subject of their doctoral theses.

In the 2015 call, the University of Barcelona embarked on 15 projects with different corporate partners, resulting in 15 collaboration agreements. Thirteen of these projects were jointly funded and two were funded with a specific grant.

The Doctoral School took part in the LERU Doctoral Summer School entitled “Data Stewardship for Scientific Discovery and Innovation”, which was held in Leiden and attended by three doctoral students representing the University of Barcelona.

Similarly, the UB participated in the eighth edition of the **Summer School on Medicines**, organised at the University of Tolosa, with the University of Montreal, the Paul Sabatier University, Biocat and Barcelona Science Park. Three UB doctoral stu-

### Doctoral theses read, by branch of knowledge (2015-2016)



**INDUSTRIAL  
DOCTORATE  
PROGRAMMES**



**15** projects

**Distribution of pre-doctoral research grants awarded by the Ministry of Education, Culture and Sport (MECE), the Ministry of Economy and Competitiveness (Spanish Ministry of Education), the Government of Catalonia (GC) and the University of Barcelona (UB)**

	Grants and contracts			Financial aid for stays	
	Number of grants	Number of contracts*	Amount (in thousands of euros)	Number	Amount (in thousands of euros)
For training university teachers (MECD) –FPU–	30	112	2,391	26	112
For training research staff (MEC) –FPI–	45	136	3,042	47	223
For training research staff (GC) –FI–	44	101	2,238	–	–
For trainee research staff (UB) –APIF–	63	129	2,573	10	21
Teaching and research grants(UB) –ADR–	29	57	769	–	–
Grants in contract agreements with La Caixa, Carlos III University and Basque Government	2	11	56	–	–
<b>Total</b>	<b>213</b>	<b>546</b>	<b>11,069</b>	<b>83</b>	<b>356</b>

\* Active as of 31 December 2015



The Palau de les Hores

dents attended, who were funded by grants awarded by the Doctoral School.

As part of the **STEM project**, 20 doctoral students from the University participated in out-of-school sessions for young people from ten secondary schools in Barcelona. The sessions were on mathematics, robotics, nutrition, life sciences and sustainability. The programme was promoted by Barcelona City Council, with the collaboration of the New York Academy of Sciences, the Barcelona Education Consortium (CEB) and the UB, UPC, UAB and UPF.





“The University of Barcelona represents a positive dialogue on the meeting of different worlds and this is a great asset, above all at personal level.”

**Rodrigo Chaverra**, Student of the master's degree in Criminology, Criminal Justice Policy and Sociology of Criminal Law at the Faculty of Law



# A UNIVERSITY WITH INTERNATIONAL REACH

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International institutional activity

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Mobility of students, teaching and research staff,  
and administrative and service staff

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5

## International institutional activity

In the academic year 2015-2016, the University of Barcelona was home to an **international community** made up of over 10,000 students from 138 countries. They accounted for 31% of doctoral students, more than 37% of university master's degree students, almost 6% of bachelor's degree students, and 23% of postgraduate students.

The **academic course offering in English** was increased, with three bachelor's degrees taught entirely in English (Business Administration and Management, International Business, and English Studies) and four taught partially in the language. Together, these courses include 175 subjects taught at 14 different faculties and schools. Twenty-three university master's degrees (including six Erasmus Mundus programmes) and 48 doctoral programmes (including 14 inter-university and two Erasmus Mundus programmes) were also taught entirely in English. In addition, the UB International Summer School offered 17 courses in English.

The **International Summer School** became more well-established, with a programme that includes 17 courses spanning different areas of study and covering a range of subjects, from managing the refugee crisis in the European Union to the economics of labour markets, the concept of attractive cities, and public health policy. In line with efforts to internationalize the University of Barcelona by attracting students from abroad and strengthening ties with foreign universities, this year's edition of the Summer School attracted 300 students from

A major Ibero-American partnership has been formed to create the first transatlantic university lobby. Together with the University of Barcelona, the Complutense University of Madrid, the University of Buenos Aires, the University of São Paulo and the National Autonomous University of Mexico, this group aims to become an official voice that can be consulted or generate opinion on major issues debated by the international community.

*El País*, 20-6-2016





“The University of Barcelona communicates internally and externally, has international reach and maintains its role as a leader.”

**Ramon Dilla,**  
Technician in the Institutional Relations  
and Protocol unit, manager of guided tours  
of the Historic Building



The Ibero-American Universities Union is born

25 countries, mostly in Europe, but also Kazakhstan, the United Arab Emirates, Russia, Brazil and Canada.

As for **international mobility** involving temporary stays, the University welcomed a total of 1,761 international students and 1,255 UB students travelled abroad for study purposes. In 2015, **Erasmus+ recognized the UB for the quality of its international mobility programme**, its commitment to promoting mobility, and its position among European universities in the mobility ranking.

One hundred and thirty-eight **international agreements** were signed with institutions in 35 countries built on strict quality criteria: high levels of academic quality, sound strategic analysis, and the existence

of a well-structured common project. Most are specific faculty agreements related to academic cooperation, research, mobility and doctoral studies, and they include 17 framework agreements. Particularly noteworthy are agreements concluded with the University of Melbourne (Australia), University of Bologna (Italy), Princess Sumaya University for Technology (Jordan), and universities in Ecuador, Morocco, Mexico, Oman and Ukraine.

The **Ibero-American Union of Universities** was set up by the UB, the University of Buenos Aires, Complutense University of Madrid, the National Autonomous University of Mexico and the University of São Paulo – all benchmark institutions that are leaders in the main international scientific rankings in their respective countries. The Union’s purpose is to coordinate action on issues that affect the signatory universities and are of crucial importance for Ibero-America in the field of knowledge.

The UB strengthened collaboration agreements with **Sapienza University of Rome** aimed at facilitating student and teacher mobility and promoting cooperation on cultural and research projects. Specific agreements were also concluded to develop a master’s degree in the health field and cover co-supervision of doctoral theses.

For the first time, a meeting was organized in Rabat with **23 Moroccan universities** and representatives of the National Centre for Scientific and Technology Research (CNRST) and the Moroccan Ministry of





The 3rd Arab-Euro Conference on Higher Education (AECHE) begins debate on the social mission of universities

Higher Education to establish common lines of research in the areas of water and agriculture; geology, mines and soil; human and social sciences; heritage and the economy; and smart cities.

The UB also received more than 45 **delegations** representing university institutions, consulates and embassies of 23 countries.

As for external actions, the UB actively participated in **network meetings and international conferences**, as well as hosting the third **Arab-Euro Conference on Higher Education**, where attention

focused on the arrival of refugees in Europe and the need for academia to help find solutions. The University participated in the conference of the European Association for International Education, the annual meeting of the International Forum of Public Universities (held in Montreal), a meeting with the trustees of Catalan universities associated with the Confucius Institute of Barcelona Foundation, and the annual meeting of the Beijing Foreign Studies University, among others. The UB also concluded an agreement with the trustees of the Confucius Institute to establish a new headquarters for the Institute in Barcelona.



The University of Barcelona welcomes more than 1,700 international students

## Mobility of students, teaching and research staff, and administrative and service staff

### Student mobility

The University of Barcelona manages student mobility through Erasmus+ and Erasmus Mundus Action 2, a programme run by the Inter-University Centre for Development (CINDA), and under bilateral agreements. All programmes are based on the principle of reciprocity.

2015-2016 was the second academic year for the implementation of the **Erasmus+** programme. Students are now more aware of the programme, and several actions were carried out to promote student mobility. As a result, the number of outgoing students increased for both study periods (980, up from 863) and traineeships (116, up from 84). A total of 1,096 UB students undertook mobility periods under the Erasmus+ programme, and the UB hosted 1,142 students on study mobility and 46 on traineeship mobility.

Within the framework of **Erasmus Mundus Action 2**, the University coordinates two mobility consortia: one between EU and Russian universities (Eranet Plus), and another between European universities and universities in Kazakhstan and Uzbekistan (CASEU). The UB is also a partner in three other projects: two involving universities in the European Union and Syria, Lebanon, Jordan and Palestine; and one with universities in Africa, the Caribbean and the Pacific region. The University hosted 13 students from universities in these countries, and three

UB students completed stays abroad (two in Russia and one in Jordan).

**Bilateral agreements** are signed with universities in countries that are not EU members or associated countries and therefore not eligible to participate in the Erasmus programme. Such agreements may be concluded for the university as a whole (general agreements) or between specific faculties or schools (specific agreements). Mobility periods under these agreements follow the Erasmus model: students do not pay enrolment fees at the host university and the period of study is recognized by the home university. The UB has signed 155 bilateral agreements with universities in countries outside the EU. Under these arrangements, it hosted 190 incoming students and 120 UB students were sent abroad. The UB also hosted three students under 14 bilateral agreements with members of the **Coimbra Group**.

Through **CINDA**, a programme that facilitates mobility between universities in Spain, Italy, Portugal and Latin America, 10 UB students undertook study periods abroad and 15 foreign students came to the UB.

UB students who participate in mobility programmes can obtain **supplementary funding**. In the case of the Erasmus programme, in addition to funding provided by the European Commission (481 grants) and the Spanish Ministry of Education, Culture and Sport (615 Erasmus.es grants), the vice-rectors' offices responsible for international

## International students on temporary stays by mobility programme

Programme	Students	Women
Erasmus: academic study	1,142	67.3%
Erasmus: traineeships	46	69.6%
Erasmus Mundus Action 2	12	75.0%
Erasmus Mundus Action 2 (undergraduate mobility)	1	0.0%
Coimbra Group	3	33.3%
Bilateral agreements	190	68.4%
CINDA	15	66.7%
Study Abroad	251	76.1%
Science without Borders	15	60.0%
Individual applications	86	70.9%
<b>Total</b>	<b>1,761</b>	<b>68.8%</b>

policy and students established a supplementary funding programme that awarded an additional 443 travel grants to outgoing Erasmus+ students and 22 grants to students undertaking periods of study abroad under bilateral agreements or the CINDA programme. Three hundred and thirty-two UB students who took part in various mobility programmes received MOBINT grants awarded by the Government of Catalonia through the Agency for Management of University and Research Grants, and 35 students were awarded Banco Santander Ibero-America Grants to help fund mobility periods



in Latin American countries (under bilateral agreements or the CINDA programme).

The UB also participates in three non-reciprocal mobility programmes. In these cases, the UB hosts students who enrol on a temporary basis and are not exempted from paying tuition fees. The three programmes are **Study Abroad**, for agreements with university consortia, under which the UB hosted 251 students from the United States; **Science without Borders**, a Brazilian government-funded programme aimed at students in the Faculties of Biology,

## Mobility of UB students by programme and geographical area

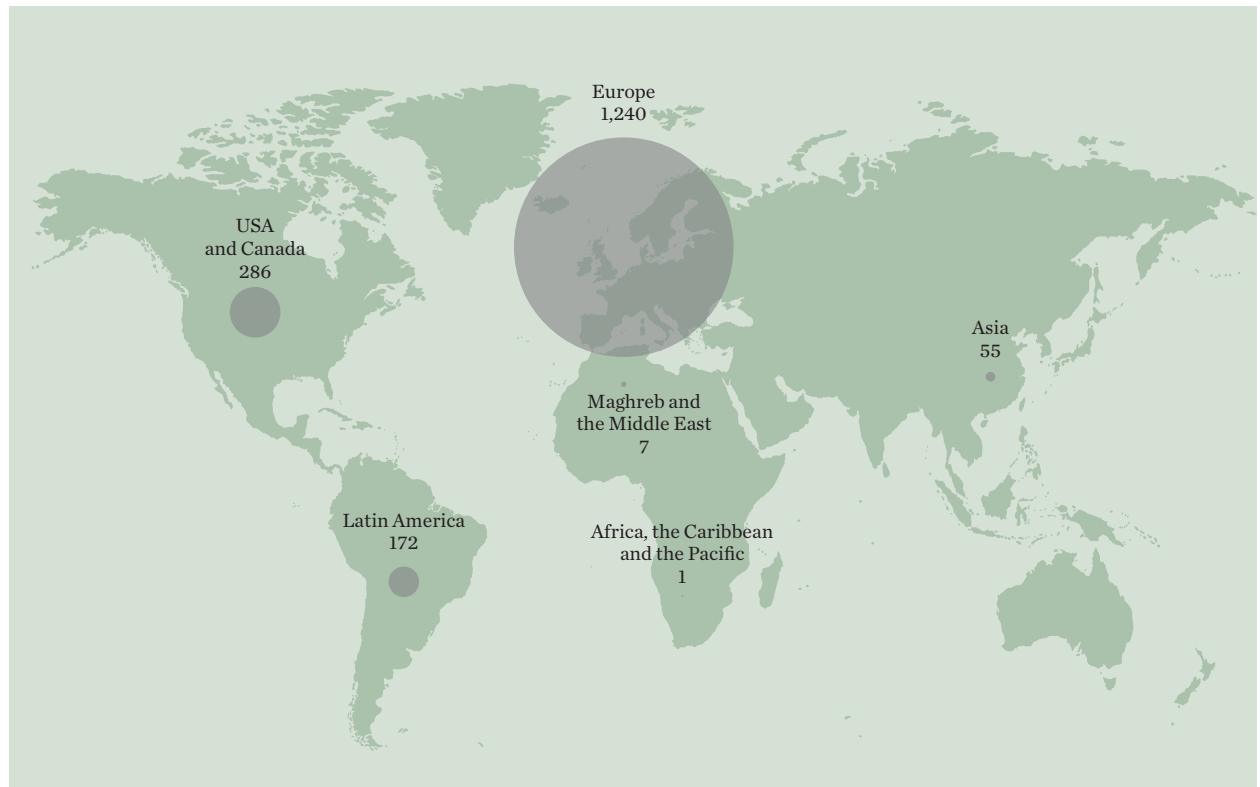
Programme	Europe	United States and Canada	Latin America	Maghreb and the Middle East	Asia	Total	Women
Erasmus: academic study	980	—	—	—	—	980	67.2%
Erasmus: traineeships	116	—	—	—	—	116	69.0%
Erasmus Mundus Action 2	2	—	—	1	—	3	66.7%
Bilateral agreements	8	42	41	—	29	120	59.2%
CINDA	—	—	10	—	—	10	60.0%
Individual applications	10	1	13	—	2	26	61.5%
<b>Total</b>	<b>1,116</b>	<b>43</b>	<b>64</b>	<b>1</b>	<b>31</b>	<b>1,255</b>	<b>66.5%</b>

**MOBILITY WITHIN  
THE FRAMEWORK  
OF EXCHANGE PROGRAMMES**

1,761

international  
students hosted  
at the UB

**Geographical origin of students hosted under exchange programmes**



Pharmacy and Chemistry, with 15 participating students; and **individual applications**, via which 86 students from around the world came to study at the UB and 26 UB students completed stays abroad.

As regards **mobility of trainee researchers**, the UB hosted three doctoral students from Latin American universities who were recipients of grants from the **Carolina Foundation**.

In total, arrangements were formalized for stays by 459 students from abroad.

**Mobility of teaching and research staff, and administrative and service staff**

One hundred and eleven members of the UB's **teaching and research staff (TRS)** completed stays abroad, mainly within the framework of the **Erasmus+** programme, which had 57% more participants than in the previous academic year.

Under a programme launched by the Office of the Vice-Rector for International Policy and aimed at academic staff of the UB and foreign institutions,





funding was provided for 25 mobility periods undertaken by UB teachers to initiate or consolidate projects involving international collaboration. Under the **Erasmus Mundus Action 2** programme, three teachers completed stays at Russian universities. Within the framework of agreements with two US consortia that participate in the **Study Abroad** programme – the Consortium for Advanced Studies in Barcelona (**CASB**) and the Council on International Educational Exchanges (**CIEE**) – one researcher

completed a research stay at Brown University and two teachers undertook language immersion stays, one at the Massachusetts Institute of Technology, and the other at the University of Illinois.

A total of 205 teachers from abroad (mostly from universities in Mexico and Brazil) completed stays at the University of Barcelona. With the aim of attracting internationally renowned teaching staff, funding was provided for 22 of these stays, which took place as a result of invitations made by UB teachers. One researcher from Equatorial Guinea was hosted at the UB under a Coimbra Group programme aimed at supporting stays by young African teachers and researchers.

Arrangements were also formalized for stays by 76 teachers from abroad.

Regarding mobility of **administrative and service staff (AdSS)**, 34 individuals completed stays under the Erasmus+ programme, and 22 employees of other universities were hosted at the UB within the framework of the Erasmus+ and Erasmus Mundus programmes. As part of Staff Week activities, 19 members of administrative and service staff at

**Mobility of teaching and research staff (TRS) and administrative and service staff (AdSS) by programme**

Programme	UB		Staff from abroad	
	TRS	AdSS	TRS	AdSS
Erasmus	69	34	–	19
Erasmus Mundus Action 2	3	–	5	3
Coimbra Group	–	–	1	–
CASB	1	–	–	–
CIEE	2	–	–	–
International mobility grants	36	–	22	–
Other programmes	–	–	177	–
<b>Total</b>	<b>111</b>	<b>34</b>	<b>205</b>	<b>22</b>

A COMMITMENT TO  
INTERNATIONALIZATION



10,981 138  
international students from countries

Professors from the Universidad Nacional de Educación (UNAE) and members of Ecuador's Ministry of Education visited the University of Barcelona



other European universities completed stays in eight UB services.

### **International projects**

The University participates in 21 **international academic cooperation projects**. Seventeen of these projects receive European funding and four are funded by the Spanish Ministry of Education,

Culture and Sport. The UB coordinates eight of the former projects and four of the latter.

In the academic year 2015-2016, mobility periods were also undertaken by researchers in connection with three projects being carried out in cooperation with institutions in Ecuador, Cuba and Morocco. Funding in this case was provided by the Spanish Agency for International Development Cooperation of the Ministry of Foreign Affairs.



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BARCELONA

Gran Via de les Corts Catalanes, 585  
08007 Barcelona  
Tel. 934 021 100  
[www.ub.edu](http://www.ub.edu)