



Universitat de Barcelona

Report on the academic year 2013-2014

The University of Barcelona

Report on the academic year 2013-2014

The University of Barcelona

Editorial Board:
General Secretary's Office
University of Barcelona

Rector:
Didac Ramrez Sarri

President of the Board of Trustees:
Salvador Alemany Mas

 Universitat de Barcelona

Written by:
Rector's Technical Office

Translated by:
Language Services, University of Barcelona

Published by:
Publicacions i Edicions de la Universitat de Barcelona

Legal deposit number: B-7.266-2015

Administrative support for publication:
Publicacions i Edicions de la Universitat de Barcelona
Adolf Florensa, s/n
08028 Barcelona

Contents

Foreword	7
1. A university spanning the centuries and serving the community	9
Strategic vision of the University of Barcelona	
Summary of basic figures	
Territorial distribution of the UB: the campuses and the centres	
2. A university focused on people	23
Services for the university community	
Institutional and cultural activities	
Student services	
3. A university at the forefront of education	43
Course offering	
Additional academic opportunities	
Support services for teaching	
4. A university at the forefront of research	57
Policies to promote, fund and internationalize research	
Research	
Knowledge and technology transfer and innovation	
Doctoral studies	
5. A university with international reach	79
International institutional activity	
Mobility of students, teaching and research staff, and administrative and service staff	



Foreword



It is my pleasure to present the latest edition of the University of Barcelona Report on the Academic Year, which offers an insight into the activities, initiatives and achievements of our institution during the academic year 2013-2014.

Over the course of the year, our work has been guided by five fundamental concerns: the pursuit of quality in teaching and research, a focus on people, innovation through internationalization, a commitment to society, and conscientious economic management.

Efforts have continued to modernize the University, through proposed amendments to the UB Statute, which have gradually been implemented during the year, and changes to existing academic and administrative structures, which are currently being studied. These actions are among the governing team's most notable achievements of the year.

Developments with a particular significance, both at the University and for wider society, include the creation of the new Faculty of Education and the launch of a web portal on *Transparency at the UB*, which provides information associated with the UB's commitment to public service and good governance.

The University of Barcelona's broad range of courses, which cover all of the major branches of knowledge, from fine arts and social sciences to engineering, experimental sciences and health sciences, remains a hallmark of the institution. For the last academic year, demand once again exceeded the number of places on offer, with some 63,000 students enrolling.

Elsewhere, active participation in the work of the League of European Research Universities and the ongoing consolidation of our two campuses of international excellence, the BKC knowledge campus and the HUBc health sciences campus, have served to strengthen institutional policies on research, knowledge transfer and internationalization and to bolster our position in the upper reaches of major international rankings.

I invite you, then, to read this report on the academic year, in which our students, teaching staff and administrative staff take centre stage, representing the University itself and the role it fulfils as an institution dedicated to effective public service of the highest standard.

Dídac Ramírez Sarrió
Rector of the University of Barcelona





“In the coming thirty or forty years, the key word will probably be *talent*. And here, in this house, we have lots of talent.”

Sebastià Serrano,
Professor emeritus
in the Department
of General Linguistics



A university spanning the centuries and serving the community

Strategic vision
of the University of Barcelona

Summary of basic figures

Territorial distribution of the UB:
the campuses and the centres





Strategic vision of the University of Barcelona

Over the course of this academic year, the University of Barcelona has announced broad-reaching plans to **reform its academic and administrative structures**. The proposed changes are intended to modernize and streamline the general running of the University, to create greater scope for securing resources from the surrounding community, to simplify administrative procedures for the management of research activities, and to foster a renewed focus on the university's threefold mission of excellence in teaching, research and knowledge transfer. The plans continue to be widely debated in the university community.

Academic developments this year include a strategic collaboration agreement between the University of Barcelona and Grupo Planeta to promote the work of the newly formed **Online Business School**, which will provide web-based training throughout the Spanish-speaking world. This is the first online business school in Spain, and will be launched in the academic year 2014-2015 through an affiliation agreement with the Barcelona International University Centre.

Changes have also been made in the area of **infrastructure**, among them the inauguration of the new Josep Carreras Leukaemia Research Institute on the Medicine Campus. Together with Hospital Clínic, the institute will form a strategic hub for haematology research in Catalonia and Spain. The new Faculty of Education was also opened this academic year.

As a key social agent and the provider of an important public service, the University of Barcelona is aware of its responsibilities within the framework of the law on transparency, access to information and



good governance. It has therefore created a **transparency webpage** that provides open access to information on UB activities and operations for members of the University community and the general public.

The UB also created the **Barcelona Entrepreneurship Institute (BIE)**, to give greater traction to its entrepreneurial initiatives.



“The creation of the new Faculty of Education has been an important milestone for the University, but also for the teaching and research staff and the students involved in educational change.”

Francesc Imbernon,
Rector's delegate overseeing
the creation of the new Faculty
of Education

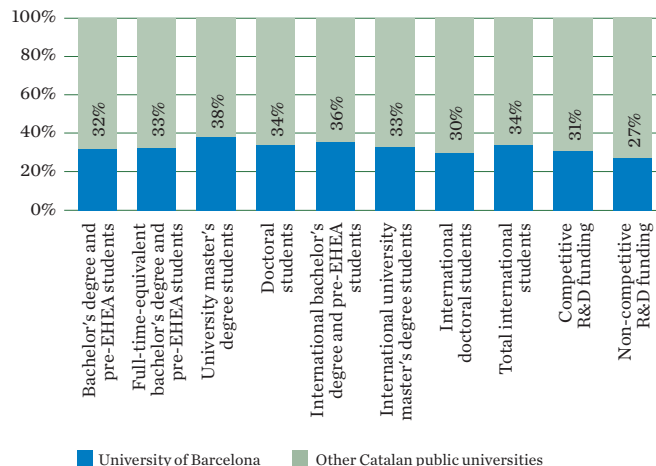
To guide the University's strategic development over the coming years, the **Management Plan 2013-2016** sets out the governing team's main lines of action in five core areas: people; teaching and learning; research and technology transfer; internationalization, culture and relations with society; and resource and finance management. The Management Plan sets out the objectives and actions for each of these areas over the four-year period, which will be evaluated on the basis of a specific set of indicators.

In the area of the **Campus of International Excellence** initiative, the BKC knowledge campus completed the implementation of its strategic plan last year, and the HUBc health sciences campus helped to keep Spain at the forefront of international knowledge creation and innovation in the field of health.

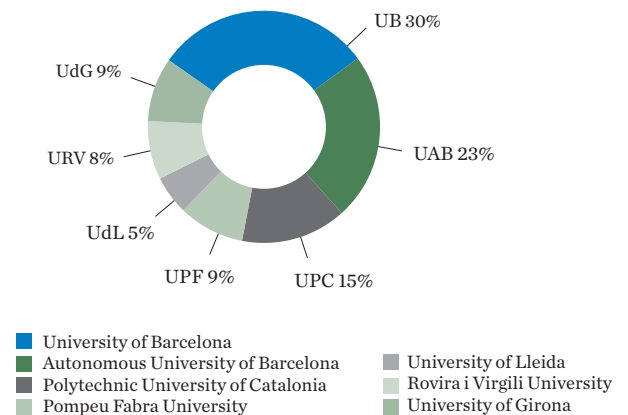
Additionally, the University of Barcelona has undertaken several projects to maximize the **public presence** of the UB brand and enhance its impact: large-format logos have been added to faculty buildings; a new official store selling UB merchandise has been opened in the Historic Building, and agreements have been made to sell official products through external channels; and a general advertising campaign has been carried out in the written press, online, and around the city to promote the UB's offer of academic programmes.

Finally, in September the UB and the Barcelona City Council reached an agreement for the restoration of the **pavilions on the Güell estate**, which were designed by Antoni Gaudí. Once restored, the buildings will be opened to the public and used for a variety of cultural activities.

Relative weight of the University of Barcelona in the Catalan public university system



Incoming bachelor's degree students in the Catalan public university system (2013-2014)





Faculty of Biology

Summary of basic figures

Structure

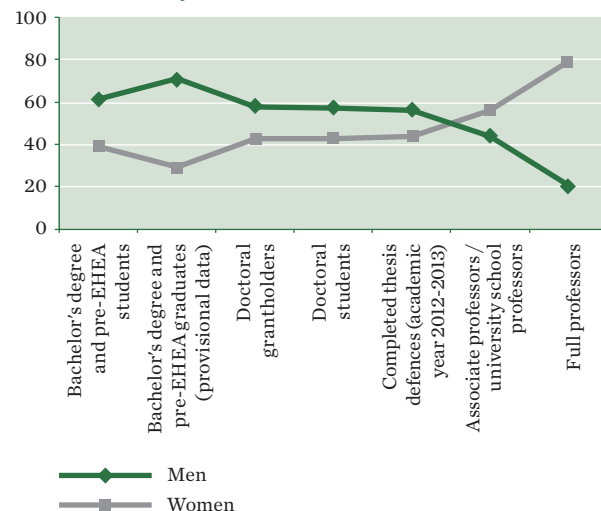
Constructed area (sq m)	676,153
Faculties	18
University schools	1
UB-affiliated centres ¹	6
Departments	106
UB research institutions and centres	25
Research institutes in which the UB participates	8
Inter-university institutes	2
Documentation centres	3
Observatories	10

¹ 7 affiliated centres for the academic year 2014-2015.

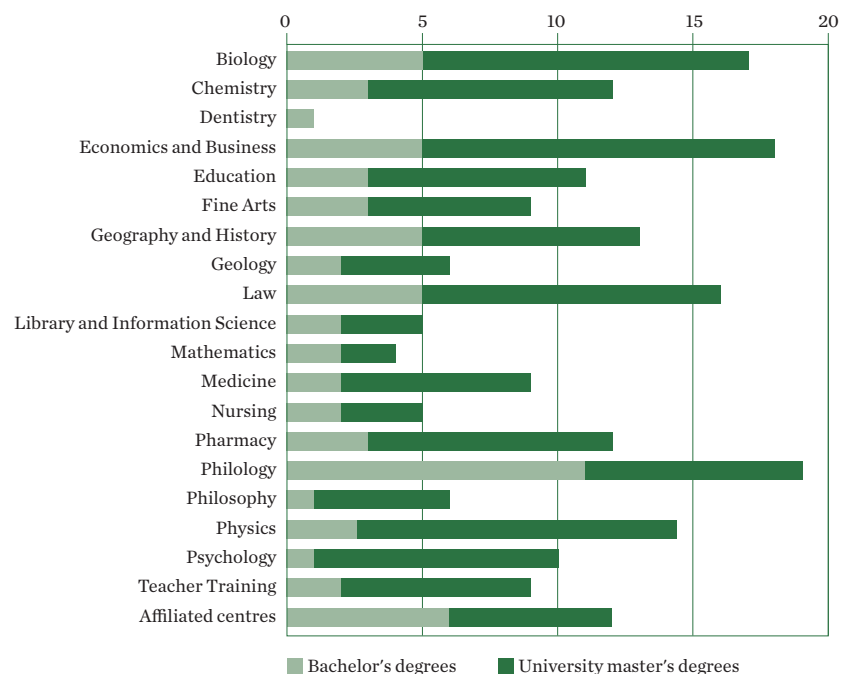
Course offering 2013-2014

Bachelor's degrees	66
Pre-EHEA degrees	1
University master's degrees	139
Doctoral programmes	73
Doctoral programmes with national Pathway to Excellence award	31
Postgraduate courses	627
University extension courses	122
Corporate lifelong learning courses and open courses (IL3)	471

Women, studies and academic positions at the University of Barcelona



Bachelor's degrees and university master's degrees



The University of Barcelona announces the creation of the Barcelona Entrepreneurship Institute (BIE), a centre that brings together the most active groups in entrepreneurship within the UB and the Bosch i Gimpera Foundation, as well as individual members of the UB's teaching and research staff. The BIE aims to become a leading centre for research groups.

La Vanguardia, 4 March 2014

Students

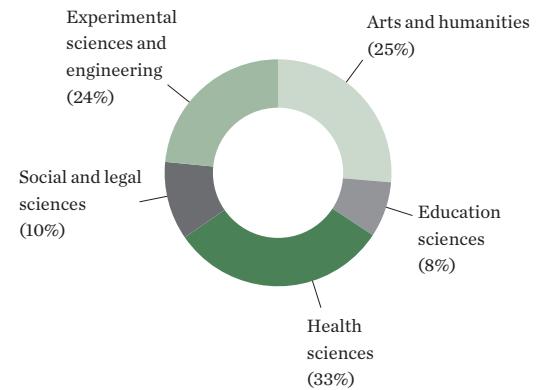
	2011-2012	2012-2013	2013-2014	% women
New bachelor's degree/pre-EHEA degree students	11,739	10,730	10,746	60.0
Total bachelor's degree/pre-EHEA degree students	47,446	46,449	45,336	61.2
Full-time-equivalent bachelor's degree/ pre-EHEA degree students	39,471	38,807	39,077	61.9
Bachelor's degree/pre-EHEA degree and diploma graduates	6,382	7,439	7,582	65.0
New university master's degree students	3,240	3,117	3,011	60.4
Total university master's degree students	5,484	4,878	4,791	61.4
Full-time-equivalent master's degree students	3,864	3,444	3,106	60.9
University master's degree graduates	2,765	2,661	2,544	60.5
Doctoral students	4,681	5,240	5,387	57.25
Doctoral theses read	566	675	755	58.7
Postgraduate students	8,577	7,783	7,697	71.2
University extension students	925	1,146	1,726	57.2
Lifelong learning students (IL3)	17,371	11,610	16,433	71.03
Students at UB-affiliated centres (pre-EHEA degrees/diplomas, bachelor's degrees and university master's degrees)	3,046	3,241	3,251	57.8
International students at the UB (under exchange agreements)	1,926	1,929	1,736	68.4
UB students outside Spain (under exchange agreements)	1,187	1,322	1,197	66.3
Students in extra-curricular placements	2,820	2,248 ¹	2,184 ¹	no data

¹ Provisional data.





Doctoral students by branch of knowledge



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

	New students	Total	Postgraduate students
Arts and humanities	2,289	8,608	1,226
Education sciences	1,494	5,832	1,083
Health sciences	1,996	9,059	1,523
Social and legal sciences	3,355	15,398	2,527
Experimental sciences and engineering	1,612	6,439	1,223
Total UB	10,746	45,336	7,582
% women	60.0	61.3	65.0
UB-affiliated centres	852	3,015	576
% women	57.0	57.5	59.0
Total UB	11,598	48,351	8,158

Further training students

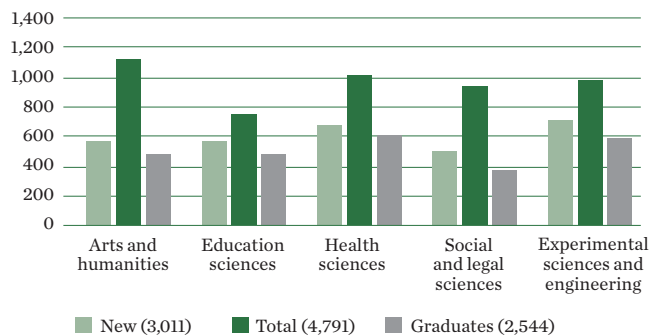
	2013-2014	% women
School of Modern Languages	5,881	61.3
Hispanic Studies	1,670	69.0
University of Experience	731	64.0
Summer courses	1,080	63.0

Other students

	2013-2014	% women
Language Services (Catalan courses)	1,746 ¹	68.9
Institute of Education Sciences	9,549	74.3
Courses for senior citizens	3,617	80.0

¹ Provisional data.

Master's degree students¹



¹ This does not include students at UB-affiliated centres.

Virtual Campus

	2013
Users	74,581
Library users	16,052,922
Teaching material available in electronic format (bachelor's degrees and master's degrees)	1.15



The UB has initiated an important restructuring process. The proposal of the governing team is to merge faculties, lowering the number from 19 to 10, and to reduce the number of departments to between 50 and 60.

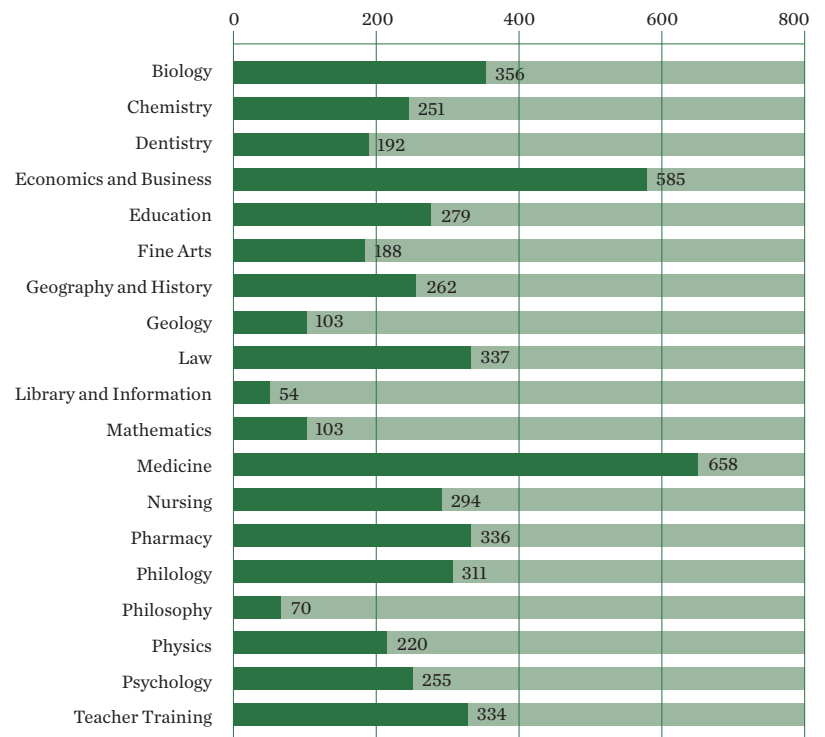
La Vanguardia, 21 June 2014

Teaching and research staff (PDI)

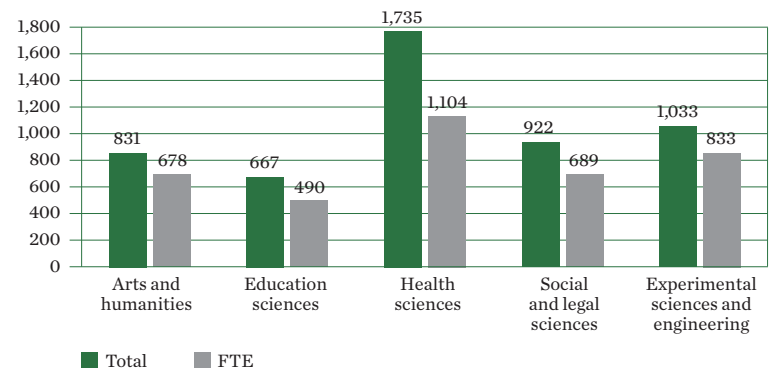
		% women
Total PDI	5,190	45.3
University professors	551	20.8
University school professors	22	54.5
Tenured university lecturers	1,262	43.7
Tenured university school lecturers	196	56.1
Contracted LOU professors	1	0.0
Tenure-track 2 lecturers	318	47.5
Tenure-track 1 lecturers	155	58.7
Temporary lecturers	23	69.6
Full-time temporary lecturers	70	65.7
Adjunct lecturers	1,669	49.9
Adjunct medical lecturers	484	45.2
Assistant lecturers	31	51.6
Other researchers	148	50.0
Emeritus lecturers on the early retirement plan	197	47.7
Others	63	33.3
Full-time-equivalent PDI	3,796.4	45.4
PDI with permanent affiliation¹	2,420	40.7

¹ This includes lecturers (full professors and tenure lecturers), tenure-track lecturers, non-publicly-contracted temporary lecturers and contracted LOU professors.

PDI by faculty/university school



PDI and full-time-equivalent TRS by subject area



	2012	2013	2014
Teaching and research staff (PDI)			
Total PDI	5,306	5,312	5,190
Full-time-equivalent PDI	3,862	3,887	3,796
PDI with permanent affiliation	2,484	2,489	2,420
Administrative and service staff (PAS)			
Total PAS	2,294	2,412	2,352
Publicly contracted PAS	996	1,040	1,020
University-contracted PAS	1,298	1,372	1,332
PAS/PDI ratio	0.43	0.45	0.45

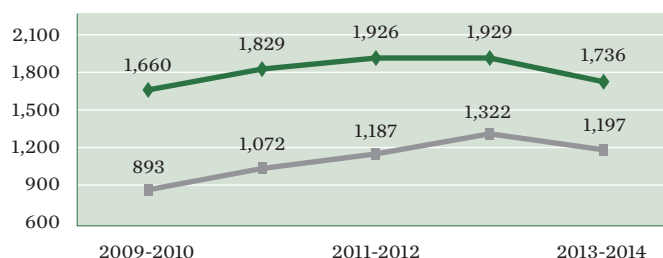
Teaching improvement and innovation

	2013-2014
Consolidated teaching innovation groups	71
Teaching innovation groups	21
Funded teaching innovation projects	57
% PDI participating in ICE training courses	52.6

Internationalization

	2013-2014
Agreements with universities and institutions outside Spain	2,342
Overseas offices	2
International students	9,486
International teaching staff	167

Evolution of exchange student numbers



◆ International students at UB on exchange programmes
■ UB students abroad on exchange programmes

Administrative and service staff (PAS)

Total PAS	2,352
% women	64.6
Publicly contracted PAS	1,020
% women	81.5
Group A	57
Group B	175
Group C	447
Group D	337
Group E	4
University-contracted PAS	1,332
% women	51.7
Group I	343
Group II	230
Group III	519
Group IV	225
Temporary staff	15
PAS/PDI ratio	0.45

Services and activities

	2013
Library	
Monographs	1,676,578
Journals and periodicals	57,652
Loans	934,175
Single-user reading desks	6,221
UB Sports users (subscriptions and competition)	6,042
Interns in UB services and faculties	772
Places offered in halls of residence	
UB-owned halls of residence	900
UB-affiliated halls of residence	649
UB Alumni members	8,500



Research and technology transfer

	2011	2012	2013
Income generated by research and technology transfer (thousands of euros)	74,336	56,832	54,724
Research projects ¹	52,107	41,964	37,310
Infrastructure projects	1,659	–	–
Other grants	11,217	3,134	6,051
UB research-related agreements	2,503	2,471	2,229
FBG contracts	6,850	9,262	9,133

¹ This includes income generated by UB researchers for projects registered to the University of Barcelona, the August Pi i Sunyer Biomedical Research Institute (IDIBAPS), the Bellvitge Institute for Biomedical Research (IDIBELL), the Institute for Bioengineering of Catalonia (IBEC), the Catalonia Institute of Energy Research (IREC), the Institute of Biomedical Research (IRB) and the Barcelona Science Park Foundation (PCB), the Centre for Ecological Research and Forestry Applications (CREAF) and the Centre for Research in Agricultural Genomics (CRAG).

Research activity	2013
Consolidated research groups (recognized by the Catalan government)	243
Emerging and singular research groups	36
Doctoral theses read	755
Seventh Framework Programme (FP7) projects	35
European Research Council (ERC) projects	4

Technology and knowledge transfer	2013
New technology-based spin-offs	3
Priority patent applications	17
International patent extensions (PCT)	8
Overseas patent applications	15

Evolution of research activity	2011	2012	2013
PDI participating in R&D projects (%)	75.5	65.9	72.6
Contracted research doctors	231	262	254
Research-support PAS	277	296	336
Postdoctoral researchers	907	890	820
Active research projects	720	677	689
Scientific publications ¹	4,068	4,606	4,998

Research structures	2013
UB research institutes	12
UB university institutes	2
Research centres and special research centres	11
Research institutes in which the UB participates	8
Inter-university institutes	2
Observatories	10
Documentation centres	3

¹ Collated by the Institute for Scientific Information (ISI).

The Governing Council of the University of Barcelona has approved the creation of a new Faculty of Education, which will bring together the former faculties of Education and of Teacher Training. The UB joins the European tendency to group all disciplines in the area of education within a single faculty.

Ara, 6 June 2014



Barcelona Science Park Foundation	2013
Barcelona Science Park community	2,135
Private-sector users	63
Public-sector users	29

Science and Technology Centres	2013
Internal users (principal investigators)	440
External invoicing (services) ¹	4,107
Value of scientific equipment ¹	41,110

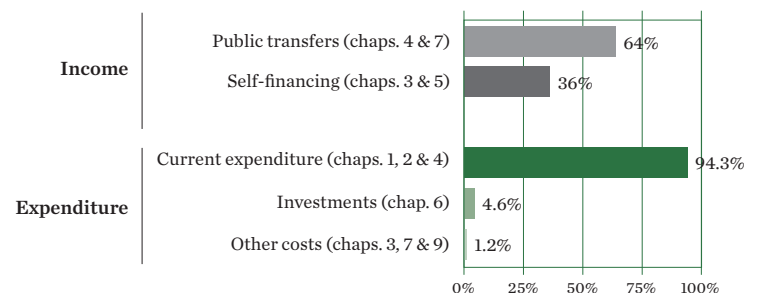
¹ In thousands of euros.

Budget 2014 (thousands of euros)

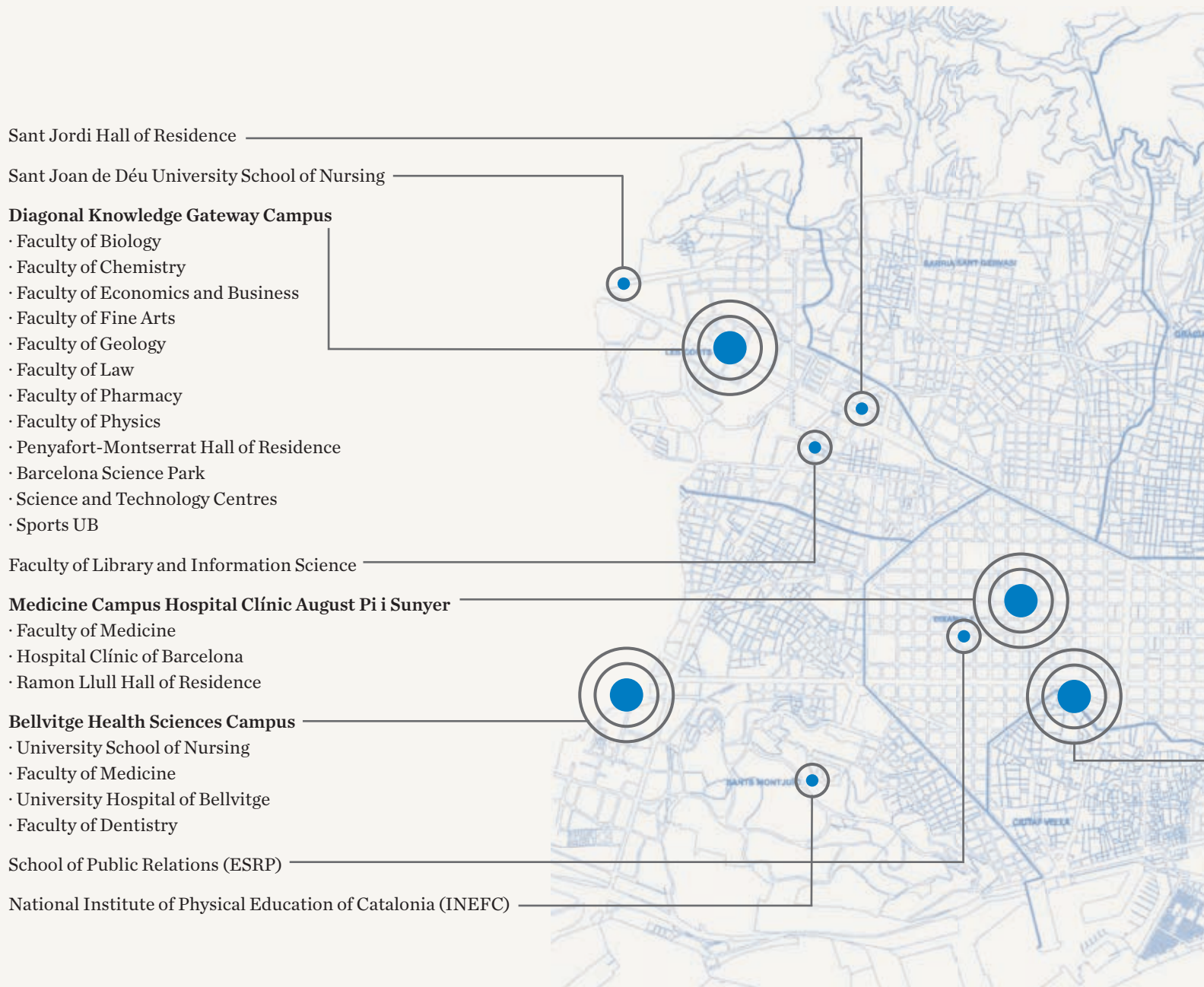
Income	356,302
Chap. 3 Fees and other income	125,492
Chap. 4 Current transfers	219,363
Chap. 5 Additions to capital	2,778
Chap. 7 Capital transfers	8,669

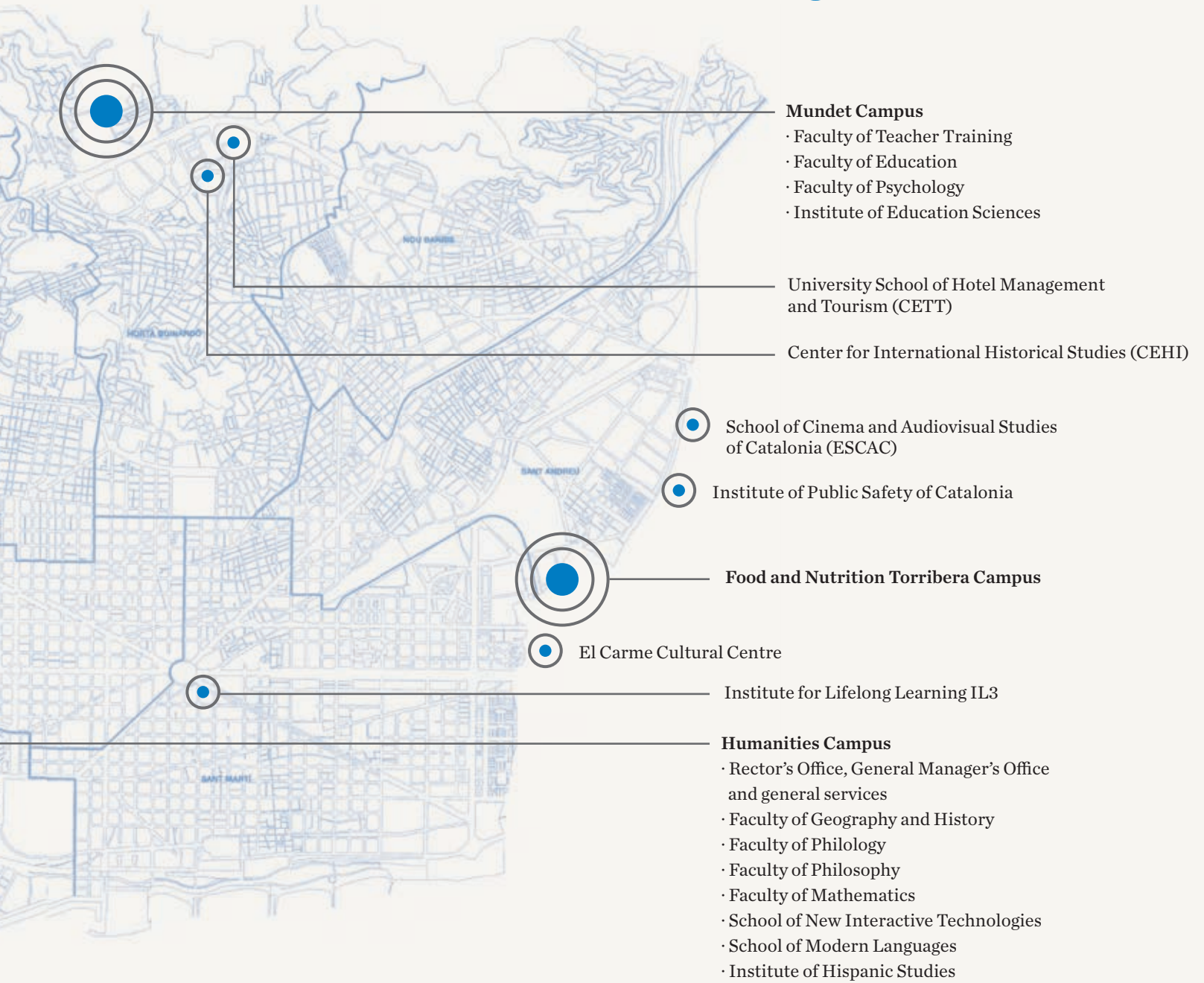
Expenditure	356,302
Chap. 1 Staff costs	263,017
Chap. 2 Acq. goods and services	61,220
Chap. 3 Financial costs	1,427
Chap. 4 Current transfers	11,578
Chap. 6 Real estate investments	16,237
Chap. 7 Capital transfers	102
Chap. 9 Financial liabilities	2,721

Evolution	2012	2013	2014
Budget (thousands of euros)	368,225	362,708	356,302



Territorial distribution of the UB: the campuses and the centres







“Increasingly, the university is reaching out to the public with information about everything that it is doing.”

Gaston Gilabert,
Doctoral student
in the Department
of Spanish



A university focused on people

2

Services for the university community

Institutional and cultural activities

Student services



Services for the university community

Over the course of the academic year, the University of Barcelona actively pursued its commitment to public service and social development. In the area of **social responsibility**, the fourth report on activities was published, and in the area of economics and finance, a series of improvements were made to internal control mechanisms to guarantee the thorough application of current regulations.

In the **area of equality**, the UB continued its efforts to promote a concern for gender-awareness in day-to-day activities and policy design at the University, and implemented a series of actions to guarantee full equality between men and women in every area of the UB.

Working with the equality committees in each faculty, the Equality Unit finalized and launched its Second Equal Opportunities Plan, as well as creating three codes of conduct addressing work-life balance, sexual harassment, and the gender perspective teaching and research.

Specific initiatives were launched to ensure awareness of gender issues at the University, including support services for members of the UB community who have suffered some form harassment, cooperative actions with external organizations, participation in the LERU Gender Working Group and the event “The UB within the LERU framework: opportunities for future research”, collaboration with the Inter-University Women and Gender Studies Institute (iiEDG) in designing the project

“Promoting Gender Equity in Colombian Higher Education”, attendance of the Seventh Meeting of Equality Units of Spanish Universities, and contributions to the meeting of the National Commission for Coordinated Action against Gender Violence.

Work in this area has included collaboration in the organization of educational activities for the Els Juliols summer school, provided support for the conference “Sexual harassment in Spanish universities: A hidden reality”, organized by the Institute of Education Sciences, and helped to develop and implement a single action protocol for the UB to address and prevent sexual harassment and harassment targeting sexual orientation, which has been approved by the Governing Council.

The **Ombuds Office** is an independent body at the University responsible for defending the rights and



“Society needs to call on managers and politicians to continue investing in research. Research is not a luxury; it is a necessity.”

Manel Esteller,
ICREA research professor
and professor in the Faculty
of Medicine



freedoms of students, teaching and research staff, and administrative and service staff. During the year, it addressed 389 complaints and requests for information, as detailed in its annual report.

The **Office for Conflict Resolution and Mediation** has continued to channel the University of Barcelona's efforts to instil and uphold an institutional culture of respect and mutual tolerance, facilitating dialogue, resolving disputes and offering mediation to enable parties to enter into voluntary discussion in a context of mutual respect and on equal terms.

Through the Commission for Participation, Employability, and Social Entrepreneurship, measures have been taken to promote **social and cooperative entrepreneurship**. Several projects were undertaken in this area during the year, including the second

Social Startup Meeting, which aims to create and promote cooperative projects through expert guidance and a pre-incubator for initial project phases, and the Aracoop programme, run by the Government of Catalonia, Barcelona Activa, Labcoop, Tàndem Social and the Federation of Worker Cooperatives of Catalonia.

In the area of **occupational health and safety**, the Health, Safety and Environmental Issues (OSSMA) office pursued eight main lines of action: occupational health and safety, risk assessment and control, emergency preparation and response, occupational health, waste management, sustainability, social assistance, and other specific concerns.

Occupational health and safety management and risk assessment were the focus of a considerable volume of work this year, including a UB-wide evaluation of safety conditions for various staff categories, the preparation of biosafety reports on UB research projects, the coordination of prevention measures, and the continuation of psychosocial risk evaluations across UB units.

In the preparation of emergency response protocols, progress was made in developing and implementing protection plans, and fifteen emergency drills were conducted.

In the area of occupational medicine, specific health examinations were conducted for different staff

OUR COMMITMENT TO THE ENVIRONMENT



of selective waste
collected from total waste
generated in 2012

categories, vaccinations programmes were run for specific risk groups, and an institution-wide flu prevention campaign was launched.

Environmental activities have focused on the actions established in the UB's Sustainability Plan: a survey of mobility in the university community; participation in a roundtable on the Diagonal Campus with representatives of Barcelona City Council and the Polytechnic University of Catalonia; the opening of new hazardous waste storage facilities in the Faculty of Biology; a classification and analysis programme for municipal waste, carried out at the faculties of Physics and Chemistry; awareness campaigns on the UB's natural heritage, including guided tours of the Historic Building gardens; and a thermographic behaviour study of the building housing the faculties of Physics and Chemistry, to

identify optimal architectural solutions for preventing excess incident solar radiation and reducing the associated energy consumption.

In the first year of implementation of the **Sustainability Plan**, 128 actions were evaluated to determine how much progress has been made.

UB Sports offers 100,000 square metres of facilities for over fifty sports, making it one of the largest and most varied physical and recreational activity centres in Catalonia. The original facilities were opened in 1957 and are now used by some 1,200 people every day. Work is continually carried out to improve the facilities, to promote physical activity and sports within the university community, and to make sports services as accessible as possible to local residents and businesses.



**OUR COMMITMENT
TO SPORT**



81

medals won by UB
competitors in university
championships



This year saw the creation of the League of Barcelona Universities, designed and promoted by the UB in association with Pompeu Fabra University, Ramon Llull University, the International University of Catalonia, the University of Vic, and Abat Oliba University. The League promotes inter-university competition, and in its first year of activity attracted 211 teams and a total of 2,481 competitors.

UB athletes had a successful academic year, winning a total of 81 medals (27 gold, 31 silver, and 23 bronze): 74 in Catalan championships, and 7 in national competitions.





21

milion visits to the UB web site
(more than 57,000 per day)

Institutional and cultural activities

During the academic year, **honorary doctorates** were awarded to the President of the Republic of Ecuador, **Rafael Correa** (23 April 2014), and to the scientists **Mariano Barbacid Montalbán**, who discovered human oncogenes, and **Alfred Lewis Goldberg**, an expert in the field of protein degradation in human disease, in a joint ceremony (26 June 2014).

The **Council of Doctors**, which currently has 947 members, presented the Seventeenth Council of Doctors Award to **Dr John Jairo Aponte Varon**, from the Faculty of Medicine's Department of Public Health, for the doctoral thesis *Evaluation of tools to prevent malaria during the first years of life*.

Various members of the UB community received **awards and honours** during the academic year 2013-2014:



Ceremony in which Mariano Barbacid and Alfred Lewis Goldberg were awarded honorary doctorates

- **Directorship of the Global Malaria Programme**, Pedro Alonso
- **National Prize in Research**, Elías Campo
- **20th Severo Ochoa Award for Biomedical Research from the Ferrer Research Foundation**, Manel Esteller
- **Cross of Sant Jordi**, Joan J. Guinovart, Alegria Borrás
- **City of Barcelona Awards**, Scientific team behind the UB's Gaia Project
- **Serra d'Or Critics' Award**, Antònia Tayadella
- **Jaume Vicens Vives Honour**, Joan Simon Pallisé
- **Vanguardia de la Ciencia Award**, Manel Esteller
- **Catalan Council of Pharmaceutical Colleges Award**, Joan Esteva de Sagrera
- **Grífols Foundation Research Award in Bioethics**, Anna Falcó Pegueroles



A university focused on people



- **Presidency of the Círculo de Economía,** Antón Costas
- **Membership of the German Academy for Language and Literature,** Marisa Siguán
- **Xavier Solans Award,** Laura Bayés García
- **ICREA Academy Award,** Josep Lluís Araus, Guillem Aromí, Paloma Fernández Pérez, Manuel García Carpintero, Ignacio Pagonabarraga, Fèlix Ritort, Eliseo Ruiz, Antonio Torres, Antonio Zorzano
- **Lucie Bolte Prize,** Pere Ginès
- **Catalan Association of Art Critics Award in Publications and Authored Books,** Rosa M. Subirana, Joan R. Triadó, Anna Vallugera
- **5th Antonio Gallego Award of the Spanish Society for Medical Education,** Josep Carreras Barnés
- **Valortec First Prize,** José Francisco García, Àlex Tarancon, Héctor Bagán, Luz Santiago
- **Water Award of the Catalan Association of Friends of Water,** Mariano Barriendos
- **Fellowship in the 8th L'Oréal-Unesco For Women in Science Programme,** Laura Herrero
- **Goya Awards,** Pau Esteve Birba, ESCAC graduate
- **6th Gaudí Awards,** Àlex i David Pastor, Mar Coll, Oriol Maymó, Oriol Tarragó, all them ESCAC graduates

The judging panel for the ninth **Board of Trustees Awards** honoured Dr Antoni Cunillera Llorente with the José Manuel Blecua Award and Dr Mar Creixell with the Ramon Margalef Award. In the joint awards programme with the Bosch i Gimpera Foundation, the Antonio Caparrós Award for the best knowledge or technology transfer project was won by Dr Petia Ivanova Radeva and the members of her project team for “Artificial Vision Methods for the Treatment Atherosclerotic Plaque”, and the Senén Vilaró Award for the best innovative company was won by the company Infinitec Activos, SL.

The University also made **special acknowledgement** of **Raquel Asún** of the Faculty of Philology, **Dr Sebastián Rodríguez, Victòria Sau**, professor **Carmen Fernández Ferrín** of the University School of Nursing, **Dr Ernesto Carratalá** on behalf of UB Alumni and the Faculty of Philology,



Jury and prizewinners, IXth Social Council Prize



Dr **Sebastià Serrano** of the Faculty of Philology, and Dr **Josep Carreras** of the Faculty of Medicine. A commemorative concert was held for the late professor **Miquel Porter** by Hispanic Studies, and the Board of Trustees organized a special ceremony in recognition of the achievement of professor **Mariano Marzo**, of the Department of Stratigraphy, Paleontology and Marine Geosciences.



Guided **tours** of the Historic Building were offered throughout the year to showcase the University's historical and artistic heritage. A total of 126 tours were given to more than 2,000 people, including representatives of a variety of institutions and members of the general public.

Cultural activities included the 27th Season of Music at the UB, a programme of 17 concerts in the Paranymp Hall, among them two Christmas concerts featuring the music of Verdi and Wagner and the season finale, at which the University of Barcelona Orchestra played Tchaikovsky's *Symphony No. 5*. The UB also contributed to the music and dance performance *Rússia, país natal: Sibèria*, to the concerts *Homenatge a Miquel Porter* and *Las canciones españolas de Schumann*, and to the Catalan Spring International Festival 2014 featuring the Russian music.

The UB organized the eighth edition of **Els Vespres**, a season of free concerts in the gardens of the Historic Building designed to strengthen the ties between youth, culture and the university; to promote a sense of belonging to the university community; and to offer the public a chance to explore the Ferran Soldevila gardens. The event has also become a platform for promoting new groups and ensembles.



Ceremony honouring Mariano Marzo, Professor of Energy Resources and Petroleum Geology

This year, the **Sixth UB Cinema Season** was held, under the title *Realitat viscuda versus realitat percebuda*. Four screenings and discussion sessions were hosted by leading experts.

The **Fourth Season of Contemporary Dance**, titled *Les arts visuals i la dansa*, comprised three performances with commentary by a specialist in the theory and criticism of contemporary dance.

**GUIDED TOURS
OF THE UB'S HISTORIC
BUILDING**



126 tours to

2,000 people

This year's **Theatre Workshop** featured two sessions in the first semester of the academic year, one on *Romeo and Juliet*, and one on two modern comic pieces, *El niño de Belén* and *Qui té por de Betty Boop?* The sessions were held as part of the festival Escena UB, Memorial Ricard Salvat, which included introductory and advanced courses on the theory and practice of theatrical performance and a performance by Teatro Clásico Mediterráneo of Lope de Vega's *La dama boba*.

The project **24h a la UB**, which compiled images and videos of activity at the University over a period of twenty-four hours, was presented via a special website created from content provided by members of the UB community, including messages, photos, videos, tweets, and stories.

The second part of the Historic Building tour was launched in the UB's **Virtual Museum**. The new content explores areas on the ground floor of the building, including the vestibule, gardens and chapel. The number of "exhibits" in the Virtual Museum collections increased this year, and a variety of new pieces were documented. Five virtual exhibitions were presented, and 37 temporary exhibitions were held at different UB sites.

The CRAI launched the **Sponsor a Book** project, which promotes the University of Barcelona's library resources and contributes to the long-term goal of safeguarding the conservation and preservation of the University's documentary heritage.

A wide range of **workshops, conferences, seminars and other cultural activities** were organized and the UB participated in the Sitges International Film Festival and the Barcelona International Comic Convention, and hosted the premiere of the award-winning film *Todos están muertos*.

The University collaborated in or provided support for the conference "El sol de los desterrados: Literatur und Begegnung im Exil", the international Watershed conference hosted by the Centre for Australian Studies, the Seventh Conference on the Modern History of Catalonia, the library sciences conference "Library Evolution: Promoting Sustainable Information Practices", and the International



The University of Barcelona has one of the most important collections of books and manuscripts in Spain: 975 incunabula, 2,178 manuscripts from the tenth through to the fifteenth centuries, and 150,000 printed books dated to between the sixteenth century and 1820. Many of the items in the collection are unique or of special value. The UB has launched a campaign for people to sponsor documents. The works in need of sponsorship can be consulted at the campaign's website, which also specifies the document type and the cost of restoration and digitization.

La Vanguardia, 16 January 2014



Exhibition of contemporary art at El Carme Cultural Centre

Thermal Spray Conference. The UB also contributed to the organization of the conference “Women’s Wisdom: Goddesses, Witches and Scientists” and a series of talks to commemorate the 125th anniversary of the 1888 Barcelona Universal Exposition.

Within the framework of events for the Loop Barcelona 2014 international video art festival, Dr Anna Maria Guasch, professor of Contemporary Art History at the UB, interviewed the Italian artist Francesco Jodice about his work *El Prado* and the project *Spectaculum spectatoris*.

The Office of the Vice-Rector for Institutional Relations and Culture organized and hosted a

total of 13 projects as part of its **exhibition season**. The Historic Building was used for the art exhibition *Cordes*, sponsored by the Goart collective; the exhibition *L'experiència màgica del cinema. Col·lecció Josep Maria Queraltó*, organized by the Josep M. Queraltó Aula Film Foundation; the exhibition *Watershed* for the conference organized by the Centre for Australian Studies; the Penique Productions art exhibit in the Paranymp gallery, organized in association with N2 Galería; an exhibition of the art of Francesco Jodice with the video pieces *El Prado* and *Spectaculum spectatoris*, as part of the 2014 Loop festival; the exhibition *Santiago Ramón y Cajal at the University of Barcelona*, for the 13th National Congress of Materials, organized by the Thermal Spray Centre; and the exhibition *10 anys fent Ruido* for the DOCField 14 documentary photography and photojournalism festival organized by the Ruido Photo Association and the Photographic Social Vision Foundation.

The exhibition hall of the cultural centre El Carme in Badalona was used for the joint exhibitions *Contemporary Art at El Carme. The Sorigué Foundation* and *Tom Carr. Echoes of Carles Buïgas*, organized by the UB and the Department of Culture and Citizenship of Badalona City Council.

To mark the 25th anniversary of the Vives University Network, the exhibition *Imatges Vives* was presented at the University of Alicante Museum.





“One of the primary functions of a university is to disseminate knowledge and that is something that the UB does really well.”

Marc Ranchal,
Student in Mathematics



“Cordes” installation art



Ceremony within the framework of the International Day for the Eradication of Poverty, with illustrator Miquel Fuster

In the area of **institutional relations**, the UB took part in the meeting of the working group for Culture, Arts and Humanities of the Coïmbra Group; the 2013 Coïmbra Group General Assembly; and the working group for Culture, Arts and Humanities of the University of Galway.

Two **Chairs** were created and approved by the Governing Council this year: the UB Chair on Meat and Health, and the Family Business Chair.

In the area of **E-Administration and Records Office** the Digital Certificate Registry Unit has been created, a joint initiative with the Catalan Certifica-

tion Agency to provide and manage digital certificates for University of Barcelona personnel. The Governing Council has also developed and approved a new set of regulations on institutional documentation and passed specific measures on the elimination of temporary documents.

Voluntariat UB, the University’s volunteering arm, is a public initiative that fosters involvement in social responsibility initiatives among members of the UB community and external volunteers. It has channelled institutional contributions to several charitable projects, including collections of medicine, food, toys, and clothes for the Red Cross, food

**BARCELONA
FOOD BANK
FOUNDATION**



1,552

kg of food donated
by the UB community



Agreement with Barcelona City Council within the framework of the emergency plan against youth unemployment



Closing ceremony of the Courses for Senior Citizens

banks, and the activities of the Arrels Foundation, as well as organizing its own charitable activities: in association with Oxfam Intermón, a team from the UB took part in the Trailwalker race and volunteer group organized a fund-raising yoga course.

The CRAI is involved in a number of joint **social projects** with the Catalan Ministry of Justice. In a special programme, it offers convicted criminals the chance to commute their sentences by working in UB libraries.

Each year, the **UB Solidarity Foundation** continues its work in the areas of social action, development

cooperation, human rights and the culture of peace, and volunteerism. It provides advice and assessment services, conducts its own projects, and contributes to projects run by other institutions and organizations. Notable examples over the academic year included a water management project in Vietnam, an initiative to improve governance and public engagement in Morocco, rural development and peace-building in Colombia, and the launch of joint postgraduate programmes with partner universities in Senegal and Mauritania. In the area of social action, charitable initiatives this academic year included working with the Barcelona Training and Employment Foundation to collect



used clothes for vocational workshops with at-risk individuals, and the launch of a public garden project in several neighbourhoods in the Barcelona metropolitan area. In the area of peace-building and human rights, promoted by the UB Solidarity Observatory and the Paula programme, the Institute of Education Sciences awarded prizes for research projects by upper-secondary students on the subject of peace, and a series of events were organized for the *Tardor Solidària* across all UB faculties and schools.

The UB launched a participatory social platform called the **Time Bank**, the first of its kind among

Catalan universities. The platform will strengthen ties between different groups in the university community and to promote cooperation, social engagement and solidarity.

The University also continued to offer its **Courses for Senior Citizens (AUGG)**, which attracted a total of 3,907 students, with 2,713 attending classes at various UB sites. Of the participants, 78% were women and approximately 2.5% were aged over 90. Speakers included graduates and lecturers linked to the UB. This year, a new theatre group was also created, with an initial membership of 30 people.

To increase employment and entrepreneurship among young people in the city, the Barcelona City Council has recently signed a collaboration agreement with the University of Barcelona “to help university students find work, encourage entrepreneurship and their employability”, in the words of Barcelona’s mayor, Xavier Trias.

La Vanguardia, 23 March 2014

Student services



Information and orientation activities for prospective and incoming students

The Student Support Services (SAE) unit oversaw and promoted a variety of special activities to assist future students in their transition to university life and to provide new students with the tools to integrate and adapt to a new academic environment.

To provide **further information** on the educational opportunities offered by the UB, Student Support Services took part in the Futura Master’s and Post-Graduate Studies Fair, Aula Madrid, and other higher education events.

Through specific actions such as “Apropa’t a la UB” and “La UB s’apropa” and with the help of the teaching staff, prospective students were provided



with comprehensive information about the transition from secondary school to university. This year, 182 secondary schools visited the UB, and 10,644 students took part in the activities. To raise awareness about the courses and facilities at UB centres and services, Open Days were held across various campuses and were attended by 3,401 secondary school students. Information events were also held at secondary schools in the Barcelona area.

In the area of **competitions and awards**, Student Support Services helped to promote and manage the following initiatives: the fifth UB-Ferran Adrià with Gallina Blanca Award, organized by the Torribera Food and Nutrition Campus; the second Xavier Domingo Prize, organized by the Spanish Committee of Detergents, Surfactants and Related Industries (Faculty of Chemistry); the second research prize in the area of information and documentation, organized by the Faculty of Library and Information Science and the Official Association of Librarians-Documentalists of Catalonia; the third Crystallography Competition, organized by the Faculty of Geology; the eighth Secondary School Research Awards, organized by the Catalan Society of Chemistry; the FilCat.UB Prize, organized by the Department of Catalan Philology; the Minerva Award, organized by the Faculty of Philosophy; the Heracles Prize, organized by the Catalan Section of the Spanish Society of Classical Studies; and the Joan Palau Vera Award, organized by the Catalan Society of Geography.



A university focused on people

Faculty of Law

In the area of **courses and seminars**, through an agreement with Projecte Home Catalunya, the sixth Drug Dependence Day, “Committed Projects Despite the Crisis”, was attended by 115 people.

As part of the UB’s **welcome programme**, incoming students for the academic year were sent an official letter of welcome to their new University. An information campaign was carried out to ensure that new students integrated into university life as easily as possible, orientation sessions were arranged at several faculties and schools, and specially designed materials were distributed to international students, including conversation guides, guides to Barcelona, and information about accommodation in and around the city.

A **homeshare programme** was run in association with the Viure i Conviure programme and Catalonia La Pedrera Foundation’s Lloguer Solidari project. The UB has more registered homeshare students than any other public university in Catalonia. A collaboration agreement was signed with Barcelona Centre Universitari and accommodation services for students continued to improve.

In cooperation with the Corporate Image and Marketing unit, and with the financial backing of RACC, 10,000 **Studentboxes** were created to provide new students with comprehensive information on the support available from Student Support

Services. The boxes were delivered together with each student’s enrolment documentation.

Information and documentation

In the area of **student information**, comprehensive details of academic programmes, dates, schedules and services were transmitted in person, by telephone and by email, and a total of 37,071 queries were handled.

The **MónUB website** provides access to a wide range of academic information, applications and forms, and procedures, including the UB email server, enrolment forms, academic records, scholarship applications, validations, etc., as well general information and services for the student community. This year, the average number of monthly visits was 1,314,231.

The **smartphone app** that allows users to check their grades and view their transcripts was enhanced this year with new functions such as notifications about courses at the School of Modern Languages, Catalan courses offered by the UB Language Services, and general information on grants and mobility. In total, 24,287 downloads were made and 603,931 notifications sent.

The **self-help resources room** of the Student Support Services provides access to documentation on vocational and professional guidance



A project run by the University of Barcelona and the Hospital Clínic enables young people who are suffering from a long-term illness to continue with their studies.

El País, 17 April 2014



activities at the UB. This academic year, subscriptions were renewed with the Kompass International Database and the *Guide to Companies Offering Employment*, published by the Fundación Universidad-Empresa.

In addition, the SAE continued to improve the Facebook and Twitter profiles created last year to provide information about the Service's activities to the student body.

The **CRAI** provides a wealth of resources in various formats to support continuous learning throughout courses of study at the UB. This year, 534,978 items were borrowed by undergraduate students and 92,845 equipment loans were processed. An information literacy training course was run, and 8,211 bachelor's degree students took part in user training courses at CRAI libraries.

Employment actions

The **Feina UB programme** helps students find employment through work with a range of centres, companies and institutions and to the student community itself. This year, the job bank received 2,501 job listings from companies and institutions, and 3,385 new students signed up. Efforts have also been made to improve the management of curricular placements in companies and institutions, through discussions with the UB's faculties and schools. A total of 2,555 students

completed curricular placements of this type during the year.

The third Santander Scholarship Programme — organized by Banco Santander, the Spanish Rectors' Conference and the Spanish Confederation of Small and Medium-Sized Enterprises — was held this year. Some 200 scholarships were awarded for paid external placements in various companies.

Collaborative efforts have helped to improve international student mobility options through job placement and scholarship programmes, including the Leonardo da Vinci programme. Support was offered to 75 international students completing professional placements at the UB.

Existing framework agreements relating to student employment and placements were reviewed, and a number of new proposals were received from private companies and public institutions to host UB placement students. The UB also organized employment fairs at its faculties and schools and discussed specific employment fairs with a range of companies.

UB representatives were involved in regional and national working groups in this area over the course of the year.

Notable initiatives to improve student and staff employability include the Imagine Aude project, the

**FEINA UB
PROGRAMME**

2,555

students took part
in professional
placements

first university employment incubator in Catalonia; the FeinAngels project, a peer-mentoring service within the university community to help students find their first job; the second edition of JobSupport UB, which aims to ensure better employment opportunities for all university staff; the professional placement programme for Women in Leadership, which aims to strengthen the impact of universities in leadership, management, and decision-making in the business sector; the Research Yourself project, which offers professional guidance to doctoral students; a programme of speednetworking workshops; and the promotion and expansion of university employment fairs with local, national, and international stakeholders.

The clustering and strengthening of the different UB units, faculties and schools has been promoted to bolster student and graduate employment prospects through an agreement with the Catalan Employment Service. Fifteen employability projects have been funded at different UB centres.

This year, the UB became part of the newly created Government of Catalonia University Employment Network, together with other public and private universities in Catalonia. The network receives funding to implement specific policies and actions, and to foster skills in labour mediation. It is coordinated with the other Spanish university employment services through the RUNAE employment working group.

In 2014, some 14,000 students and graduates took part in or benefited from employability and employment actions.

Career guidance

This year, 3,934 students took part in several **career guidance programmes**, receiving advice on how to make the right employment decisions, design their professional careers, and develop key professional skills.

A range of **Skills Training** resources were offered to UB students over the course of the year, including 37 workshops and two Virtual Campus courses attended by 818 students. A new course, “Identify your skills and learn to communicate them”, was also offered this year; 50% of the tuition was given in English.

The **Job Club** offered personalized advice, guidance and resources to help students define their career objectives and set out their initial employment plan. The club was visited by 1,004 students; 494 received advice and guidance and used the Club’s resources, and 510 students attended 18 subject-specific sessions organized during the year.

The team of careers advisers carried out a total of 232 **interviews** to provide personal guidance on career options, training choices, and changing degree course. Advisers also liaised with secondary



schools to provide advice to pupils on their choice of degree studies.

This year, a large number of students requested **guidance** in choosing a bachelor's or master's degree. Working in conjunction with the Integration Programme unit, the guidance team provide tailored advice to students with special educational needs to help them optimize their academic performance and plan the transition to professional life.

A total of 49 **faculty orientation** actions were organized, with an overall participation of 1,880 students. The Passport to the Profession programme, which provides information on bachelor's degree courses, was a particular highlight in this area, and was developed by the faculties of Psychology and Law and the Torribera Food and Nutrition Campus. The programme will be extended to other subject areas in the coming years.

This year marked the launch of a new pilot project, **El SAE s'apropa a Mundet**, which provides person-

alized guidance services to students on the Mundet Campus for changing degree course or choosing a master's degree, and information on the channels and resources available to them for finding professional placements and job opportunities abroad.

Student integration programmes

The UB's integration programmes aim to help students with disabilities and other special needs to enjoy equal opportunities throughout their studies.

This year, 677 students with disabilities were enrolled at the UB: 553 bachelor's degree students, 27 pre-EHEA degree students, and 97 postgraduate and doctoral students. The UB continues to be the leading traditional university in Catalonia for students with special needs.

The **Fem Via** programme offers advice and guidance to students with disabilities and provides

“An additional motivating factor is that you are surrounded by people who are so alive and excited about what they are doing, and that really makes you thrilled too, beyond just the science itself. This is part of being a good researcher and it happens with the teaching and research staff at the UB.”

Mérida Rodríguez,
Erasmus Mundus student
in the international PhD
in Fetal and Perinatal
Medicine

personalized monitoring and support throughout their academic careers.

In addition to on-going partnerships with organizations involved in career development initiatives, a new agreement with the ONCE Foundation programme has added significantly to the employment options open to students with special needs at the UB. A total of 177 students were identified as being eligible to participate in the programme.

More generally, important actions this year have included active participation in inter-university activities and projects with the support of the Technical Commission of University and Disability in Catalonia (Unidiscat) and the Network of Support Services for People with Disabilities in Universities (Sapdu), cooperation in a large number of surveys and studies related to disability in the university community, and various awareness-raising and information activities. Among these activities, 119 people registered for the conference “Disability in Today’s Society: Challenges and Opportunities”.

Student representation: Senate, faculty boards, and academic councils

On 30 April 2014 elections were held to elect student representatives to the Senate (90), faculty boards (19) and academic councils (51); participation was 5.69%, 6.03%, and 9.55%, respectively.

UB Alumni

The UB’s commitment to its community goes beyond teaching and research. Through UB Alumni, the University continues to offer support to students after they graduate. The association currently has 8,500 members, and in 2013 its job bank listed an average of five new vacancies every day. During the year, it also provided support to more than 150 alumni in the creation of new companies, providing guidance on the creation of an effective business plan, helping to find funding, and offering general business advice.

The number of local and international clubs has risen to 31, and international branches have been set up around the world. The new Brussels branch has over 20 members and will make a sizeable contribution to extending the association’s network of international contacts.

The Council of Elders, chaired by Miquel Roca, has expanded the scope of its activities to include major projects such as the Transmetre programme, fronted by Ricard Fornesa, which provides a channel for senior alumni to transmit their knowledge and expertise to more recent graduates.



“There are no university degrees with a future, only people with a future.”

Anna Lluch,
Administrative and service
staff member in the Student
Support Service



A university at the forefront of education

Course offering

Additional academic opportunities

Support services for teaching

“We introduce knowledge to our students, but perhaps we need to insist more on how we can use this knowledge and what we can do with it.”

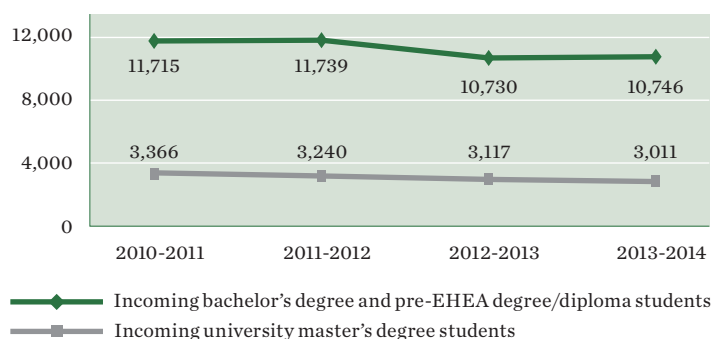
Sebastià Serrano,
Professor emeritus
in the Department
of General Linguistics

Course offering

This academic year, 66 **bachelor’s degree programmes** were offered and approval was received to introduce the bachelor’s degree in Culinary and Gastronomic Sciences and the bachelor’s degree in Security, through an affiliation agreement with the Institute of Public Safety of Catalonia, for the academic year 2014-2015.

For its bachelor’s degree programmes, the UB received 15,596 **first-preference applications** for 10,749 places, putting the demand ratio for places at 1.45. The highest numbers of first-preference applications were received for Medicine (1,697), Business Administration and Management (992), Psychology (942), and Nursing (826). The total number of students enrolled in bachelor’s degrees and pre-EHEA degrees at UB faculties and schools stood at 45,336, which included 10,746 new students and 3,015 students at affiliated centres.

New EHEA bachelor’s degree, pre-EHEA degree/diploma and university master’s degree students



The University of Barcelona announces a dual bachelor’s degree in Pharmacy and Human Nutrition and Dietetics. The two health sciences degrees will be taught sequentially on two UB campuses of excellence: the Barcelona Knowledge Campus (BKC) in the Diagonal and the Health Universitat de Barcelona Campus (HUBc).

El Mundo, 13 March 2014

A total of 139 **university master’s degree programmes** were offered this year, to 4,791 students at the UB and 236 students at affiliated centres. Particularly popular courses were the master’s degree in Teacher Training in Compulsory Secondary and Upper Secondary Education, Vocational Training and Language Teaching (314 students), Spanish as a Foreign Language for Professional Purposes (99), Biomedical Engineering (97), Women, Gender and Citizenship Studies (93), and Psychopedagogy (91). The total number included 1,370 international students (27.3%), predominantly from Latin America and, in the case of Europe, from Italy. Tuition in foreign languages increased, particularly at master’s degree level, with 11% of subjects taught in English.

This year marked the beginning of the accreditation process for the UB’s university master’s degrees. In May, an external evaluation committee visited the University to assess the master’s degrees in Environmental Agrobiology and

**EDUCATION
ADAPTED
TO THE EHEA**



45,119

students enrolled in
66 bachelor's degrees
(including UB-affiliated centres)



Integrative Physiology, and in June committee representatives returned to assess the master's degree in Psychology and Education. Current regulations stipulate that public universities must undergo a periodic accreditation in order to offer official degrees, and this year saw the start of a major accreditation process for all of the UB's EHEA-adapted master's degrees, which is expected to continue throughout the next academic year.

A total of 7,582 bachelor's degree and pre-EHEA degree students graduated this year, and 2,544 university master's degrees were awarded to successful students. In addition, **special academic achieve-**

ment awards were given to 39 pre-EHEA degree students, 69 bachelor's degree students, and 86 master's degree students, for courses completed in the academic year 2012-2013.

A total of 228 **postgraduate courses** were offered, as well as 256 **UB-specific master's degrees**, 86 **expert courses**, and 57 **higher university courses**, to 2,358, 4,814, 270 and 255 students, respectively. The large number of international students (21.6% of the total postgraduate intake) is an indication of the increasing international dimension of postgraduate studies at the UB. The UB's **university extension programme** offered 122 courses, to 1,726 students, and four master's degrees, two postgraduate

Students enrolled in UB-specific master's degrees, postgraduate courses and university extension courses

Branch of knowledge/centre	Master's degrees	Postgraduate courses	University extension courses
Arts and humanities	190	2,742	283
Social and legal sciences	822	496	406
Experimental sciences and engineering	95	103	182
Health sciences	1,580	629	412
Education sciences	12	40	214
Institute of Education Sciences	130	107	63
Institute for Lifelong Learning	1,817	1,180	20
UB-affiliated centres	168	54	146
Total	4,814	2,883	1,726
% women	70.9	73.0	57.2



OUR COMMITMENT TO INTERNATIONALIZATION



27.3%

university master's degree students and doctoral students from outside Spain

programmes and three university extension courses were taught at institutions outside Spain.

During the year several **marketing campaigns** were carried out to promote the University's range of master's degrees, Els Juliols summer courses, the International Summer School, and the new Gaudir UB programme. Advertisements were placed in various general and specialized media, targeting specific learner groups. The slogan *Tired of working for your future? Make your future work for you* was used to promote UB-specific master's degrees and postgraduate programmes, and summer courses were advertised under the slogan *Give yourself some air*. A local campaign in Barcelona and Badalona announced the opening of UB Badalona and the offer of Gaudir UB courses.

Internationalization of the student community¹

Course of study	International students
Bachelor's degrees and pre-EHEA degrees	2,682
University master's degrees	1,370
Doctoral programmes	1,673
UB-specific master's degrees	1,190
Postgraduate courses	469
University extension courses ¹	366
Total	7,750

¹ Includes students from the Institute of Education Sciences and the Institute for Lifelong Learning.

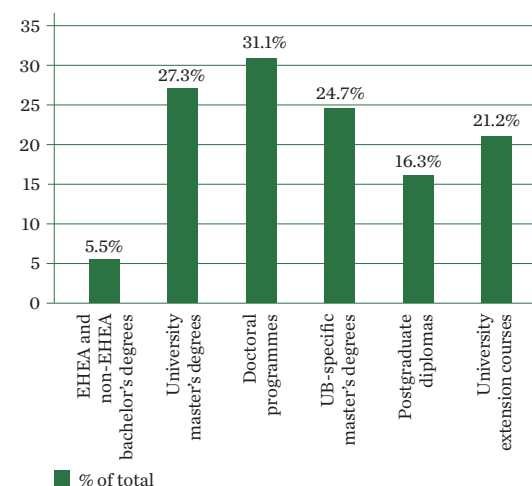
The year 1994 saw the founding of ESCAC, created by a group of public and private institutions that included the University of Barcelona. ESCAC was the first centre to offer its own bachelor's degree and master's degree in cinematography. This year the school celebrates its twentieth anniversary.

El Punt Avui, 10 February 2014

Grants and financial aid

This year, 19,550 applications were received for **general and mobility grants for bachelor's degrees, pre-EHEA degrees and diplomas, and university master's degrees**. A total of 11,544 grants were awarded, with an overall value

Percentage of international students by course type




**OUR COMMITMENT TO
INTERNATIONALIZATION**

31.1%

doctoral students
from outside Spain

of 26,111,763 euros, distributed as follows: 11,268,036 euros for grants awarded to students entitled to full exemption from tuition fees, 75,480 for minimum variable-sum grants, 1,863,000 euros for residency-dependent fixed-sum grants, 3,766,500 euros for means-tested fixed-sum grants, and 9,138,746 euros for variable grants.

Additionally, 8,209 applications for means-tested **equity grants** were processed. These grants cover part of the cost of enrolment for official courses, to students divided into means-based categories: in category 1, the price per credit is reduced by 50%, and there were 6,100 students in this category (although 4,503 of these students received a general grant, so were ineligible for an equity grant); in category 2, the price per credit is reduced by 40%, and there were 250 students; in categories 3, 4 and 5, the price per credit is reduced by 30%, 25% and 10%, respectively, and there were 90, 60 and 157 students; finally, in category 6 there were 1,552 students, who were above the income threshold to apply.

Lastly, the University of Barcelona launched its **bkUB programme**, which encompasses a series of measures to ensure that financial difficulties do not prevent people from studying at the UB. Within this new financial aid framework, and alongside other measures to minimize costs to students stipulated in the UB's regulations, three new specific grant programmes have been developed: *Nou Accés* (for new students), with 91 applications and 28 grants awarded; *Assignatures Repetides* (for

students registering for repeat subjects), with 612 applications and 476 grants awarded; and *Situacions Sobrevingudes* (for students affected by unexpected changes in personal circumstances), with 236 applications and 111 grants awarded.

The Spanish Ministry of Education, Culture and Sport awarded 111 **departmental collaboration grants**, with a total value of 222,000 euros, 438 **university service collaboration grants**, with a total value of 1,861,735 euros, 334 **faculty collaboration grants**, with a total value of 1,016,986 euros, and 28 grants for the Joan Lluís Vives Institute's **DRAC programme**.

For **mobility programmes** 430 grants were awarded for mobility placements in the European Union and 22 for placements in other countries. In addition, 2 exchange grants were awarded for placements within the Eurolife university network, to students of the master's degree in Biomedicine. An additional 24 Santander international mobility grants provided total funds of 80,000 euros to support students involved in various international exchange programmes.

Within the framework of the **SICUE national mobility programme**, the UB signed bilateral agreements with 50 Spanish universities and offered a total of 2,034 places.

The UB welcomed a total of 1,736 **visiting students** on short placements.

STUDENT AID



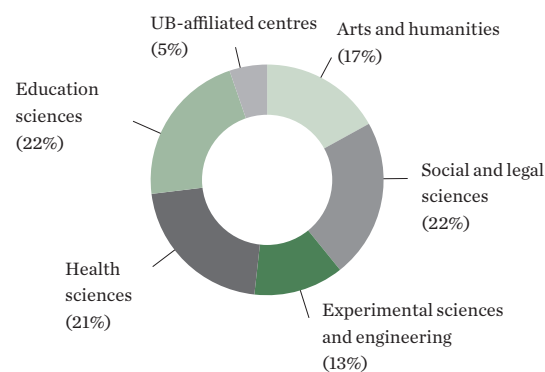
615 beneficiaries of the bkUB programme

Grants and financial aid

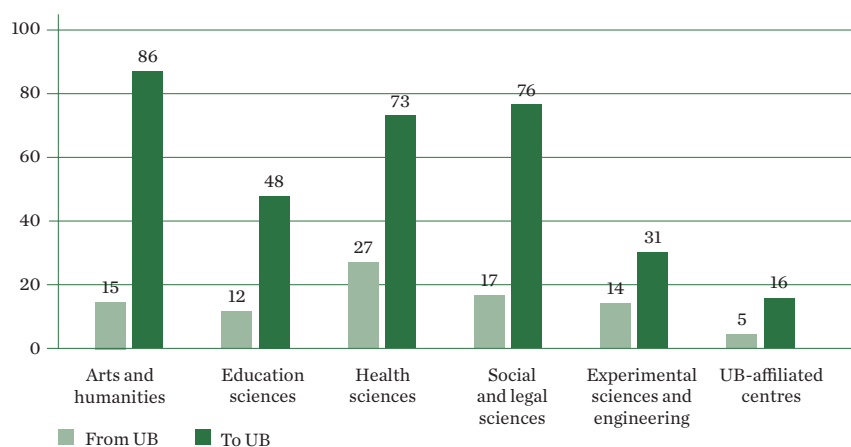
Grants awarded	Number	Total value (€)
General	11,544	26,111,762.57
Collaboration with UB departments	111	222,000
Collaboration with UB services	438	1,861,735
Collaboration with UB faculties	334	1,016,986

Other financial aid	Number
DRAC programme	28
Mobility programme	452
Eurolife network grants	2
Santander Iberoamérica	20
Fórmula Santander	4

Grants awarded to bachelor's degree, pre-EHEA degree/diploma and university master's degree students



Students in the SICUE national mobility programme



International students on short placements at the UB

Programme	Total
Erasmus: academic study	1,098
Erasmus Mundus Action 2: associations	26
Coimbra Group	9
Bilateral agreements	148
MAEC-AECID	10
Cinda	9
Specific US programmes (Study Abroad)	289
Fundació Carolina	10
Ciencia Sin Fronteras	18
Individual applications	119
Total	1,736

**OUR COMMITMENT
TO LANGUAGE
LEARNING**



12 foreign languages
taught at the School
of Modern Languages

Additional academic opportunities

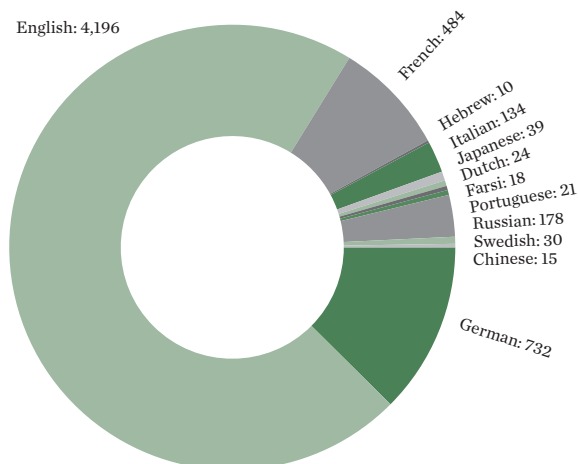
Language training, Hispanic Studies language and culture courses, summer courses and the University of Experience make up the **Area of Further Training** at the University of Barcelona.

This year, the **School of Modern Languages**, the first university language school in Catalonia, celebrated its sixtieth anniversary. Founded by the writer and professor Ramón Carnicer in 1953, the School is a benchmark for foreign language tuition in Catalonia and offers courses both to the University community and to external companies and institutions.



El Carme Cultural Centre, Badalona

Students at the School of Modern Languages, by language



Courses are offered in twelve languages: Chinese, Dutch, English, Farsi, French, German, Hebrew, Italian, Japanese, Portuguese, Russian and Swedish. During the year, 5,881 students received tuition from 70 teachers, and the School carried out 3,996 level tests, granted 658 language accreditations, and organized 689 official examinations.

In the area of **corporate solutions**, the School organized 72 tailored courses for 671 students: 32 courses for private companies and 40 courses for members of the university community.

The **Institute of Hispanic Studies** has been providing education in Spanish language and culture for more than sixty years, delivering

Medicine at the University of Barcelona received the highest number of applications, totalling 1,763. The UB was also the preferred choice of incoming students for another year, with 15,411 first-preference applications and 11,749 students assigned in total.

El Mundo Catalunya, 12 March 2014



Welcoming international students



Spanish courses to students taking part in the Erasmus programme or other bilateral mobility agreements, running examinations for the Diploma in Spanish as a Foreign Language (DELE) offered by the Cervantes Institute, and designing, organizing and teaching courses for groups with specific needs or requirements.



During the year, a total of 1,670 students enrolled for courses at the Institute of Hispanic Studies. Of these, 350 are Erasmus students, and 382 took part in the 62nd edition of the Course in Hispanic Studies, Language and Culture for Non-Spanish Speakers. Nineteen intensive language courses were attended by a total of 288 students, and special courses were organized in Spanish as an instrumental language and Spanish for specific purposes (for economics and business, conversational Spanish, written Spanish,

reading short texts, spoken Spanish for everyday situations, for negotiation in professional contexts, etc.). Finally, 300 new candidates enrolled to earn a Diploma in Spanish as a Foreign Language.

During the holiday period, the UB held the eighteenth annual **Els Juliols** programme of summer courses. This year, a total of 1,080 students enrolled in 40 courses led by 391 teachers. The programme included the Women's Summer University, in cooperation with the Information and Resource Centre for Women, which is run by Cornellà City Council.

The latest edition of the summer courses brought back the **International Summer School**, which aims to disseminate the knowledge and research generated by the University outside Spain. It also serves as an additional channel for disseminating information on the University's scientific achievements in English.

The **Gaudir UB** programme, based in Badalona, also began this year: 36 courses were offered to the general public, attracting 169 students.

Finally, the Area of Further Training offered preparatory courses for **university access examinations for learners aged over 25**: 35 students enrolled, with a pass rate of 90%.

This year marks the celebration of the fourth edition of the **University of Experience**, the UB's

**OUR COMMITMENT
TO SOCIETY**



731

students registered
for new courses
at the University of Experience

learning initiative for the over-55s. In total, 731 students enrolled, of whom 64% were women. The oldest student this year was 81; most students were between 60 and 64 years old. The range of subjects was expanded to include two new programmes: History, Society and Territory, and Food and Dining. Additional courses were also added to the programmes in Psychology, Languages and Literature, and Philosophy. In total, nine programmes were offered. The University of Experience also continued to organize complementary activities, such as French and English for specific purposes, courses in physical activity and chi kung, and, in association with the Conservatory of the Liceu, a variety of introductory music courses. Through the initiative, the UB also took part in the sixteenth Saló de la Gent Gran de Catalunya.

Catalan language courses provided by the UB Language Services (SL) were offered as year-long, single-term and intensive summer courses at the CEFR levels A1, A2, B1, B2, C1 and C2. Successful students received official certificates of accreditation from the Government of Catalonia and recognition of free-elective credits for their degree studies. Catalan classes were also offered to teaching and research staff in preparation for the official accreditation examination offered in parallel to the “Level C” examination organized by the Catalan Government. Administrative and service staff were also offered the chance to attend specially designed courses, with the possibility of sitting examinations.



Under the UB’s **Plan for Languages**, a new self-access language learning option was offered via the Virtual Campus, using the Rosetta Stone platform. The self-access language centres oversaw the organization of conversation groups.

The **Institute for Lifelong Learning (IL3)** worked to strengthen its academic programme over the course of the year, placing a particular focus on technological development. The Institute’s general learning platform now provides a more flexible and user-friendly environment, making learning easier and streamlining the management of academic activities through specific desktop publishing, m-learning and gaming tools. The enhancements were made with support from experts in the design of new educational activities, and include a series of improvements that benefit students in particular (communication, enrolment, payment and course management tools, etc.).

Further training and other students

School of Modern Languages	5,881
Hispanic Studies	1,670
University of Experience	731
Els Juliols summer courses	1,080
Language Services: Catalan courses	1,746 ¹

¹ Provisional data.



Meanwhile, the IL3 continued to apply its internal quality control system, based on the compilation of data through online surveys to identify areas for on-going improvement and to provide a channel for complaints and suggestions from students.

The Institute has continued renew and update its programme of **open courses**, offering 13 new and

12 overhauled courses this year. Changes to course content are regularly introduced on the basis of market research and analysis conducted by the IL3 each year through student and stakeholder surveys. A new survey has been planned to gather information on the lifelong learning needs of university graduates.

In the area of **collaborative projects with companies**, the Institute seeks to build relationships with corporate clients in its sectors of interest— finance, insurance, laboratory analysis, healthcare and public administration – while continuing to reach out to new partners in industry, energy and the sales-service sector.



The primary demands for training continue to come from professionals looking to develop the skills to improve service, boost results and enhance their business management.

Students at the Institute for Lifelong Learning

Type of course	Open courses		Corporate solutions	
	Students	Courses	Students	Courses
Distance learning	276	51	–	–
Online learning	12,377	248	356	8
Face-to-face learning	1,950	108	167	11
Blended learning	649	29	658	16
Total	15,252	436	1,181	35

“I decided to study Mathematics because I have always liked it. In fact, my mother was a mathematician and she also studied here, thirty years ago.”

Marc Ranchal,
Student in Mathematics

Support services for teaching

The **Learning and Research Resources Centre (CRAI)** comprises eighteen libraries and seven cross-university units that provide a wealth of information resources and services and collaborate in learning and knowledge creation at the University.

The CRAI supports teaching and research staff in the management and provision of information resources, offering advice on the creation of teaching materials, publication, copyright issues, the use of teaching platforms and tools, and **teaching and research innovation**.



Over the course of the year, the CRAI was involved in 41 projects to create new teaching materials, contributed to 37 publications on teaching resources and tools published in the UB digital repository, the review and approval of 209 publications in the UB's specialized teaching collections, 21 training courses on teaching support tools and resources, 138 meetings with teachers to discuss strategies for the development and use of teaching tools and resources, and, in coordination with the UB's teaching resource points, the processing of 5,488 queries from research and teaching staff through the User Support Service.

Teaching quality is a strategic priority at the University of Barcelona. The **Teaching Improvement and Innovation Programme (PMID)** underpins continuous improvement in teaching at the UB, supporting and driving teaching innovation and activities that facilitate the exchange of teaching experiences between staff.

The Public Safety Institute of Catalonia, which includes the Police Academy and the School for Firefighters and Civil Defence of the Government of Catalonia, will offer a new bachelor's degree in safety in the academic year 2014-2015 as an affiliated centre of the University of Barcelona.

La Vanguardia, 13 May 2014

“In times of crisis, universities need to stress their social aspect: they need to increase their grant policy and ensure access for all students. In its social commitment, the UB can be a benchmark as a public university.”

Gaston Gilabert,
 Doctoral student
 in the Department of Spanish



An open management procedure has been implemented for teaching innovation proposals and activities carried out by teaching staff. Thus far, 203 proposals have been processed, receiving total funding of 75,000 euros. Fifty-seven **teaching innovation projects** have been approved, one of which received funding. In total, 388 teachers took part in the programme.

The UB's 72 government-backed **teaching innovation groups** were all granted renewed accreditation, and 21 groups received accreditation for the first time this year. Specific funds and support staff were provided for the accredited groups and additional

funding was provided for the dissemination of their activities.

The **Institute of Education Sciences**, founded in 1969, fulfils a number of roles at the UB, analysing the training requirements of teaching staff and designing action plans, promoting educational innovation, providing advice and guidance on research, publishing reports on good practices, and creating training materials for a range of platforms. This year, the Institute's training activities were carried out by 304 instructors, who worked with 9,549 learners (74.3% of whom were women).

Activities at the Institute of Education Sciences

Training activities	Students enrolled
Lifelong learning for teachers in early childhood, primary, secondary, and vocational education and for teachers in related areas of community education	5,271
Online training	324
University teacher training	3,698
Postgraduate courses and master's degrees	256
Total	9,549



111,063 **student opinion surveys** providing feedback on classes and teaching staff were completed online for the two semesters of the 2013-2014 academic year, representing a participation rate of 20%. The paper version of the **opinion survey** for pre-EHEA degree and diploma students is no longer in use.

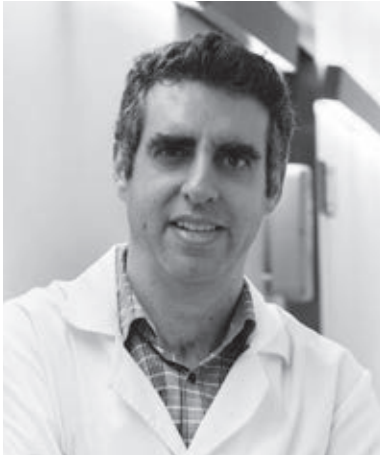
This year, the eleventh **formal assessment of teaching activity** was carried out. In total, 74.5% of the eligible teaching staff participated, 97.7% of whom received positive evaluations.

Similarly, the accreditation process for the proposal for the new *Manual for the Formal Assessment of Teaching Activity* was begun this year. On 8 May 2014, the UB received a visit from members of the

External Evaluation Committee of the Catalan University Quality Assurance Agency (AQU Catalunya), who recommended that the corresponding accreditation be given.

The University of Barcelona and the UPC are set to offer the first inter-university bachelor's degree in Culinary and Gastronomic Science. The degree is linked to Ferràn Adrià's online cooking resource *Bullipèdia*.

El Mundo, 12 March 2014



“A knowledge-based society is a free society. The public needs to understand that this is the most important thing for everyone’s development.”

Manel Esteller,
ICREA research professor
and professor in the Faculty
of Medicine



A university at the forefront of research

Policies to promote,
fund and internationalize research

Research

Knowledge and technology
transfer and innovation

Doctoral studies

Policies to promote, fund and internationalize research

The UB has implemented a variety of **policies** over the course of the year to consolidate its status as a high-quality **research-intensive university**, to strengthen its position as the leading producer of scientific output of the public universities in Spain, to continue its trajectory among the foremost universities in Europe, and to promote continuing international projection to attain the highest possible standards of research excellence.

The activities carried out by the various vice-rectors' offices in the area of research have been reinforced by membership of the League of European Research Universities (LERU), which the UB joined in 2010.

The main **lines of action** focus on three key aspects of research: staff, organizational structures, and projects.



In order to safeguard the talent that the University creates and attracts, the UB held a call for financial assistance as part of the 2013 **Talent Retention Programme**, distributing 500,000 euros of funding from Banco Santander to a total of 17 recipients.

The UB **invests in human resources** to maintain and enhance research excellence in all branches of knowledge. A total of 49 predoctoral fellows received **doctoral grants** across 25 UB departments and 12 UB research institutes. Also, in regional and national calls, 56 individuals received **research staff training grants (FPI)**, 55 were awarded **training grants for university (FPU)**, and 56 were awarded **training grants for researchers (FI)**. Similarly, the UB addressed the incorporation of new talent by increasing the number of researchers in the Ramón y Cajal (10 new researchers), Juan de la Cierva (13), Beatriu de Pinós (4) and ICREA Senior (2) programmes.

In addition to providing direct support to researchers, the UB awarded 79 contracts for specialized research support technicians (including 53 contract renewals), drawing on co-financing from the **Fund for the Promotion of University Research**. The programme benefits technicians who also receive co-financing through groups of research support technicians in general services and management techniques.

In the area of **organizational structures**, the University attracted alternative funding to



“LERU is viewed as the G21 of research. The UB is the only university in Spain to be invited to become a member of the organization and this was because of its own merits.”

Francesca Gallego,
Administrative and service staff
member in the Office
of the Vice-Rector for Research,
Innovation and Transfer

maintain the **contract programme for faculties and centres** and for the **UB research institutes**. The total amount allocated to faculties and centres was 599,967.39 euros, while the UB research institutes received 453,000 euros, with the financial support from the La Caixa Foundation. The aim of the programme is to fund activities to strengthen strategic actions proposed by the institutes themselves, with the aims of enhancing international competitiveness in research and knowledge transfer; tackling the social and scientific challenges under the EU’s Horizon 2020 programme; organizing international scientific meetings to improve collaborations and raise the profile of the UB and of research in Catalonia; developing programmes to hire trainee researchers and research support technicians, and improving the research infrastructure used jointly by research groups in the institutes.

In the area of **research projects** promoted by the Office of the Vice-Rector for Research, the UB awarded 77 **grants to promote participation in EU H2020 projects** and 57 **bridging grants to continue research activity**. Applications are currently being considered for **grants for open-access publication**.

The Office of the Vice-Rector for Research is currently implementing a **funding portal** to enable researchers to find sources of funding more easily for projects, staff or any other aspect of their

work. The broad spectrum of funding comes from Catalan, Spanish, European and international sources.

UB researchers were successful in winning competitive **external research funding**, particularly through calls held by the **ICREA Academy** programme. In the call 2013, they received a total of 9 new grants, making the UB the Catalan university with the highest number of recognized ICREA researchers.

Turning to the competitive **RecerCaixa programme**, which aims to promote scientific research of excellence and to bring science to the public, six UB projects were selected.

Internationally, the UB’s participation in the **Seventh EU Framework Programme** is currently concluding, with 152 projects at a value of 55.4 million euros. Of these, the UB is coordinator for 31 projects. As part of the Ideas programme of the **European Research Council**, the UB has secured a total of 18 projects, with 10 for young researchers, 7 for senior researchers and one for a proof-of-concept programme.

The launch of the EU programme **Horizon 2020** has brought new opportunities for research funding. During the early months of the programme leading up to June 2014, UB researchers submitted a total of 121 proposals and the University is the leader of 47 of them.

Reelin, a protein essential to the plasticity of the cerebral cortex, has been demonstrated to restore cognitive abilities in lab mice affected by Alzheimer's disease. This is the initial finding of a study published in the journal *Nature Communications* and jointly led by Eduardo Soriano, professor of Cell Biology at the University of Barcelona, and the researcher Lluís Pujadas.

El Punt Avui, 10 March 2014



In the area of **knowledge and technology transfer**, the **Bosch i Gimpera Foundation (FBG)** oversaw 740 projects in 2013. These included joint initiatives with 252 companies in the private sector and 192 public institutions. With respect to the valorization and protection of research results, applications were submitted for 17 priority patents and 8 international patents, and 10 licensing agreements were signed. In addition, the FBG advised on the creation of 3 new technology-based companies and 3 new companies with share ownership through Innovative and Scientific Culture.

In 2013, the UB's **Science and Technology Centres (CCiT)** signed strategic agreements to add new equipment to their portfolios, including a focused ion beam microscope with an attached accessory, a mass sequencer, a state-of-art nuclear magnetic resonance machine, a cutting-edge cell separator and a spectropolarimeter with circular dichroism. Thanks to collaboration with the Josep Carreras Foundation, the UB had completed the refurbishment of several areas in its animal facilities by the end of 2013.

In the area of **internationalization of research**, the UB held **internal information workshops for the EU Horizon 2020 programme**. The participants numbered approximately 400, and more than 120 proposals were submitted to the programme's initial calls.

During the year, the UB became a member of **Euromarine**, a multinational and multi-institutional European consortium that seeks to promote cross-cutting multi-disciplinary marine research. The UB also joined the **European Consortium for Political Research**, an international leader with participation from researchers in law, sociology, chemistry, economics and other disciplines.

The UB also took an active role in LERU, sending representatives to nearly all of the working meetings over the course of the academic year. Thanks to this commitment, UB representatives were selected as members of the steering committees for six working groups. In addition, the Rector became a member of the LERU policy committee in March 2014 and the Office of the Vice-Rector for Research encouraged UB students to take part in LERU's annual Doctoral Summer School and Bright Students Conference.

“Having state-of-the-art equipment like the technology at the Hospital Clínic is key to ensuring the quality of your research.”

Mérida Rodríguez,
Erasmus Mundus student
in the international PhD in Fetal
and Perinatal Medicine

Research



The **CRAI Research Unit** works jointly with the libraries in each UB faculty and university school to validate and publish researchers' papers in the digital repository, to enable open access. This year, the research collection in the digital repository increased by roughly 5,000 documents, which were primarily papers, but also included work reports, contributions to conferences and chapters from books. The CRAI Research Unit also manages financial assistance to support publishing in open-access journals, through which 50 papers were published in the past year. In addition, it administers the portal for scientific journals (RCUB), which contains 20 UB journals, and provides a link to the other journals created and supervised within the UB.

In the area of research support and coordination structures, the UB currently has 12 research institutes, 2 university research institutes, 11 research and special research centres, 10 observatories and 3 documentation centres. The UB is also a participant in an additional 8 research institutes, 2 observatories and 2 inter-university institutes.

Within the National Agreement on Research and Innovation and the new Research and Innovation Plan, the following **Research groups** were involved in the 2009 call for grants: 243 consolidated research groups, 22 emerging research groups, 14 project-specific groups, 33 groups managed by August Pi i Sunyer Biomedical Research Institute

UB research institutes, research institutes in which the UB participates, and associated research 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 for Research on the Brain, Cognition and Behaviour (IR3C)
- Institute for Research on Medieval Cultures (IRCVN)
- Nutrition and Food Safety Research Institute (INSA)
- Geomodels Research Centre
- Institute for Legal Research (TRANJUS)

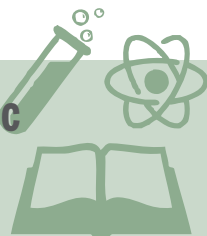
University research institutes

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

Research institutes in which the UB participates

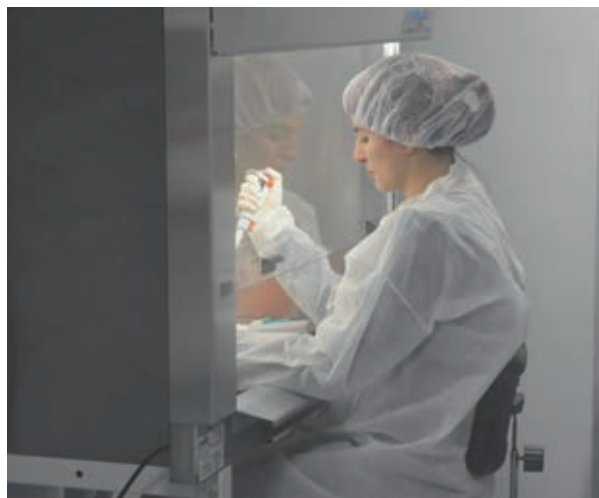
- AgriGenomics Research Centre (CRAG)
- Centre for Ecological Research and Forestry Applications (CREAF)
- August Pi i Sunyer Biomedical Research Institute (IDIBAPS)
- Catalan Institute of Climate Sciences (IC3)
- The Catalonia Institute of Energy Research (IREC)
- Institute for Bioengineering of Catalonia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

SCIENTIFIC OUTPUT



4,998

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



Income for UB research from competitive calls

Type	Calls	Amount
Projects and special activities	129	19,467,678
Infrastructure projects	-	-
Grants	106	6,051,343
Total	235	25,519,021

Origin	Calls	Amount
Regional government	34	388,034.85
National government	101	6,035,608.25
Others	44	2,512,612.26
Private companies	3	16,000.00
European Union	53	16,566,765.93
Total	235	25,519,021.29

(IDIBAPS), 10 managed by Bellvitge Institute for Biomedical Research (IDIBELL) and 16 by other participating institutions.

With respect to the **scientific output of UB researchers**, the international databases of the Institute for Scientific Information recorded 4,998 scientific publications. Of this total, 4,380 figured in the Science Citation Index Expanded (SCI), 739 appeared in the Social Sciences Citation Index (SSCI) and 158 featured in the Arts & Humanities Citation Index (A&HCI).

The **income from competitive research** undertaken at the UB's nineteen faculties and university schools stood at 25,519,021.30 euros from 235 research activities. This amount includes national and European projects as well as other grants such as the three awarded as part of the ICREA Academy programme to provide incentives for research excellence among research staff at the public universities of Catalonia. The three ICREA Academy projects represent 750,000 million euros, corresponding to the call of 2012.

The UB signed 35 European projects as part of the **Seventh EU Framework Programme**, for a total amount of 15,006,026.08 euros.

The total number of **agreements signed** stood at 446, while the income from research-related agreements, which numbered 108, stood at 2,228,986.74 euros.

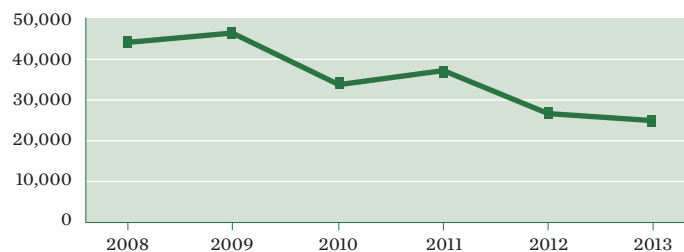


Barcelona Science Park



The **Barcelona Science Park (PCB)** promotes innovation and knowledge transfer by focusing on the relationship between the University, public research organizations and businesses. It is an environment in which public research and business innovation share the same space and can pursue common goals. In 2013, the total number of users was 92, including businesses and other institutions with different legal personality (71), UB units and research groups (10) and various PCB services (11). Of these users, 82 were present at the PCB, while the other 10 were associates. The total number of entities represents a user population of 2,135 people.

Evolution of income from research activity in competitive calls (millions of euros)



UB Group income from research and technology transfer

Research projects*	37,310,049.04
Infrastructure projects	-
Other grants	6,051,343.05
UB agreements	2,228,986.74
FBG contracts	9,133,328.91
Total	54,723,707.73

* Includes income from research activity carried out by UB researchers through competitive and non-competitive calls registered to the University of Barcelona, the August Pi i Sunyer Biomedical Research Institute (IDIBAPS), the Bellvitge Institute for Biomedical Research (IDIBELL), the Institute for Bioengineering of Catalonia (IBEC), the Catalonia Institute of Energy Research (IREC), the Institute of Biomedical Research (IRB) and the Barcelona Science Park Foundation (PCB), the Centre for Ecological Research and Forestry Applications (CREAF) and the Centre for Research in Agricultural Genomics (CRAG).

RESEARCH AND TECHNOLOGY TRANSFER



54,723,707

euros of UB Group income from research and technology transfer



The PCB also manages facilities on the Barcelona Knowledge Campus covering a total built area of 86,638 sq m and usable space of 59,733 sq m, nearly half of which is occupied by clients (30,455 sq m). The remaining space is allocated to the PCB's own services and other technical services, meeting rooms and activity rooms available for hire. Breaking down the space allocated to clients, 19,906 sq m are currently leased, 4,210 sq m are reserved for the University of Barcelona to house a portion of its Science and Technology Centres and other units and research groups, and 6,339 sq m are available to clients for leasing.

In the area of **scientific services**, the PCB offers science and technology services through its core scientific services unit, as well as providing a radioactivity unit and a special reactions service. The PCB also has various technology platforms

focused on Laboratory Animal Applied Research, Combinatorial Chemistry, Proteomics, Drug Discovery, Experimental Toxicology and Ecotoxicology, and Crystallography.

In the area of **knowledge and technology transfer**, the PCB held a Networking & Innovation Day, an event focused on technology exchange between PCB members, the UB Group and other interested parties. The PCB also organized seminars open to the PCB community and to the outside public on subjects such as cloud applications for medical technologies, the mass analysis of experimental data and mobile applications in medicine.

The PCB continued to develop its international relationships, hosting an impressive number of visiting delegations from Chile, the United States, Ecuador, the United Kingdom, South Korea, China, Brazil, Poland, Finland and Denmark. The PCB also held a partnership satellite event in which nine member entities met with companies from France, Switzerland, Greece and Hungary in order to establish international collaboration agreements.

In the area of **scientific communication and dissemination**, the PCB took part in research projects, gave tours of the PCB's facilities, participated in the eleventh "Live Research" Fair, in the Science and Technology Festival organized by the Barcelona City Council, and in the Berga knowledge fair. The PCB also delivered six prizes at Exporecerca Jove, an event focusing on young researchers.

University of Barcelona researchers led by Professor Carles Enrich, from the Department of Cell Biology, Immunology and Neurosciences of the Faculty of Medicine at the UB, and the CELLEX Biomedical Research Centre of IDIBAPS, have found that cholesterol plays a key role in cell mobility and tissue invasion.

Science Daily, 21 May 2014

This year, the **National Centre for Genome Analysis (CNAG)** completed its third year of operations and remains under the management of the Barcelona Science Park. The Centre's mission is to carry out genome research projects aimed at improving public health and quality of life, drawing on collaboration with scientists around the world. Led by Dr Ivo Gut, the Centre has a team of 52 people working in the laboratory, computing, bioinformatics, and management and administration.

The CNAG is the second leading centre in Europe in sequencing capacity. Currently, the platform has 11 latest-generation sequencers and the data processing unit has more than 1,000 computing nodes, 2.5 petabytes of storage space, an internal network operating at 10Gb per second and multiple direct connections with the Barcelona Supercomputing Centre, which also operates at 10Gb per second.

The CNAG continues to contribute to successful Spanish involvement in the **International Cancer Genome Consortium (ICGC)** through its participation in the project on chronic lymphocytic leukaemia led by Dr Elías Campo, of the Hospital Clínic of Barcelona.

The **Science and Technology Centres** provide advice on experimental techniques and are equipped with the latest scientific instruments to support research and innovation in the fields of



Faculty of Biology

The Science and Technology Centres

Staff	170
Approximate value of scientific equipment (millions of euros)	41.11
Total Campus area (sq m)	12,000
Active users, private sector	686
Active users, public sector	1,358
Active users, UB/FBG	1,665
Revenue from services performed	4,107,176.00
Revenue from training activities	40,700.45
Revenue from agreements and projects	93,449.98

chemistry, materials science and the biosciences. Their mission is also to act as intermediaries in university-business relations and to promote innovation and technology transfer through agreements and research, development and innovation projects with industry. In recent years, they have also participated in training through the organization of technology courses and seminars.

The CCI^T constitute one of the most extensive mid-sized set of science and technology facilities in Spain or Europe, occupying more than 12,000 sq m, boasting highly qualified technical staff, and offering the broadest range of instrumental technologies. These are grouped in technological units that include microscopy and advanced characterization techniques, nuclear magnetic resonance, mass spectrometry, chemical spectroscopy, high-performance biotechnology, radiological protection, and animal facilities.

In the area of **accreditation and certification**, the CCI^T successfully passed the recertification for ISO 9001:2011, which was obtained originally in 2005, and the radiological protection unit received its ISO 9001 (B) certification in March 2013. In the first quarter of 2013, the CCI^T also renewed the Xarxa IT Tecnio accreditation originally obtained in 2001 and created by Acció. Also, the CCI^T began the process to renew recognition by the US Food and Drug Administration (FDA) as a contract laboratory for drug trials.

The University of Barcelona, working in collaboration with Lund University (Sweden) and the University of Leuven (Belgium), has been named coordinator of the first international PhD in Fetal and Perinatal Medicine, an Erasmus Mundus programme receiving seven million euros of funding from the European Union.

Diario Médico, 14 May 2014

The CCI^T updated its **self-protection plan**, revising the emergency plan of 1999 in order to comply with current regulations.

The CCI^T implemented a **technology action plan** prepared in 2012 in order to achieve sustainability based on scientific output and economic performance, optimizing the use of existing infrastructure and coordinating the various technologies.

The CCI^T also continued to consolidate user numbers: in total, there were **3,709 active users**. Of these, 686 come from the private sector, 1,358 belong to public institutions (including the UB Group) and 1,665 are affiliated with the UB or the Bosch i Gimpera Foundation.

In 2013, the CCI^T carried out work for 440 principal investigators in projects managed by the UB across 50 different departments, 462 principal investigators at 69 other public institutions, and 380 clients from a total of 288 companies in the private sector, of which some 85% are small and medium-sized businesses based in Catalonia.

In the area of building loyalty among external private-sector users, the CCI^T had a total of 143 private-sector clients in 2013 and 117 were repeat clients from 2012, reflecting an 81.8% loyalty rate. By **economic sector**, the leading external users came from pharmaceutical companies and firms producing chemical products for food, followed by



Barcelona Science Park

the fields of biotechnology and of minerals and metallurgy. In 2013, there was a rise in the number of users from small and medium-sized companies in the chemical and pharmaceutical sector as a consequence of new European and US legislation requiring certain pharmaceutical products, primarily metals, to be analysed using the ICP-MS technique.

CCiT **income** from services fell 13.49% from the previous year to 4,107,176 euros (excluding VAT). This figure can be broken down into 1,063,209 euros from the private sector and 3,043,967 from public institutions including the UB Group.

Income from other items, such as the organization of courses and workshops or income from university-business agreements, stood at 134,150.45 euros.

In the area of strategic policy, the CCiT consolidated the use of **training activities** for promotion and dissemination among users and potential users. The CCiT ran a number of activities, such as homologated courses on animal experimentation and for supervisors of radioactive facilities; courses and seminars on the CCiT's technology portfolio; technical training for self-service work; in situ technological advice; scientific and technological lectures and seminars, and collaborations in other training activities not organized by the CCiT.

The CCiT held 14 free technology seminars open to the public to present the latest technological

innovations, new applications, equipment and the potential of the various CCiT techniques on offer. The CCiT also hosted 12 courses, workshops and single-day conferences on science and technology.

To foster **communication and dissemination** in the area of theoretical and practical knowledge of instrumental techniques, the CCiT worked with the BKC knowledge campus and the Institute of Education Sciences to prepare the book *Llibre de tècniques instrumentals*, which was written by technical experts and is aimed at students in upper secondary schools and advanced vocational training. The book explores some of the CCiT's instrumental techniques for characterization and analysis.

The CCiT also took part in the BioCores@BCN website in order to offer information to the scientific community on all scientific and technical services, technology platforms and other units in research centres in the Barcelona area. The website seeks to give researchers a quick and easy way to find centres that provide a given technique.

In 2013, the CCiT made significant additions to its portfolio of scientific equipment, saving approximately a million euros relative to market prices. The equipment includes a focused ion beam microscope with an Omniprobe nanomanipulator from the PCB and the Department of Electronics, respectively; a mass sequencer from the Institute



Faculty of Chemistry

of Predictive and Personalized Medicine of Cancer (IMPPC); a state-of-art nuclear magnetic resonance machine from the firm Bruker; a cell separator from the Institute for Research in Biomedicine; a spectropolarimeter with circular dichroism from the Centre for Genomic Regulation, and the purchase of software for confocal optical microscopy in the Advanced Optical Microscopy Unit on the Diagonal campus.

Thanks to collaboration with the **Josep Carreras Foundation**, the CCiT refurbished and upgraded several areas in the animal facilities as well as new space for the Advanced Optical Microscopy and Proteomics units on the HUBc health sciences campus.

In the area of **public grant calls**, a decision was reached on the University technology transfer plan (corresponding to Tecnio 2013 financial assistance). The plan had been submitted by the FBG on behalf of the team at the Centre for Innovation and Advanced Technologies, which includes the CCiT, and an individual grant of 8,500 euros was awarded to fund technology transfer activities approved by Acció (corresponding to the TECCIT-2013 project).

In addition, the CCiT signed **18 agreements**, including contracts for the provision of services, quality agreements, licensing agreements for the use of scientific equipment, and university-business collaboration agreements involving the FBG.

In the area of **new services** and the development of new systems in 2013, the CCiT launched a genome technology that provides capillary DNA sequencing; a roll-to-roll system to deposit photovoltaic cells on flexible substrates, and newly designed and developed racks for installation in the various animal facilities in order to enhance the use made of the UB's resources.

The CCiT delivered a total of **49 innovative, high value-added services** in 2013 in response to analytical problems formulated by 32 private companies and 13 research groups from a variety of public institutions.

The **Bioethics Committee** has redesigned and implemented the forms that researchers must complete for the Committee's evaluation of competitive and non-competitive research projects. The Committee continues to play a vital role in assessing and preparing reports with prescriptive guidelines on bioethics and in evaluating the ethics of international research projects managed by the FBG and the PCB. In addition, the Committee has collaborated with AGAUR to assess the ethics of applicants for Beatriu de Pinós grants, which are awarded by AGAUR, and has begun assessing projects submitted in the next call of the Catalan government's Acció programme. The latest call is for the Tecniospring programme, which falls under the Marie Curie Actions of the Seventh EU Framework Programme, and a prescriptive agreement has been signed to continue the task of evaluation in the



“The UB was a pioneer in the creation of the PCB in 1997, enabling knowledge generated at the University to come to market in the most efficient and effective way possible.”

Montserrat Vendrell,
General Manager of the
Barcelona Science Park (PCB)

next three calls. 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.

In addition, members of the Bioethics Committee took part in the LERU Special Working Group on Research Integrity. In this respect, the Committee was identified as a benchmark for the implementation of this type of committee model across LERU's member universities, the aim being to raise the level of research integrity.

The Bioethics Committee also continued as the coordinator of the Network of Ethics Committees in Universities and Public Research Centres in Spain and of the network's website, and the Committee organized the group's annual meeting.

An additional activity of the Bioethics Committee is ethical evaluation and, where appropriate, the issuance of authorization for doctoral theses that involve human experimentation or use biological specimens of human origin. This is a way to introduce trainee researchers to the basic ethical requirements of research. The Committee also provides advice and, where needed, assistance to teaching staff supervising master's degree final projects, compulsory final projects for undergraduates or practicum reports that require the completion of the Committee's forms. The purpose of

expanding the Committee's work in this way is to introduce future researchers to knowledge of the ethical aspects of research and the appropriate way to address them.



**RESEARCH AND
TECHNOLOGY AND
KNOWLEDGE TRANSFER**



40 patent applications in 2013

Knowledge and technology 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. The FBG is the UB's technology springboard and has the backing of Acció, the Catalan governmental agency focused on enhancing the competitiveness of Catalan enterprises.

The FBG celebrated its thirtieth anniversary in 2013 and consolidated its status as a pioneering centre in the management and promotion of knowledge transfer.

In the area of **research projects on contract**, the FBG provided consulting and analytical services to clients in companies and in institutions, seeking to improve the competitiveness of both the public and private sectors. These research projects represented a total income of 9.64 million euros from 609 contracts.

In terms of **research projects with competitive funding**, the FBG was awarded financial assistance from public and private institutions in 11 cases, at a total value of 1.15 million euros. With respect to research projects funded by the European Commis-

The University of Barcelona has led a European research project to analyse twelve works by Salvador Dalí using a non-invasive technique to diagnose the conditions of the paintings from the back without taking any samples from the canvas.

Ara, 15 September 2014

sion, over 200 proposals were submitted and 42 received funding, at a total value of 24 million euros. Of these 42 projects, 31 are part of the Seventh Framework Programme in research and have a value of 22.42 million euros, while 11 are not part of the programme and have a value of 1.61 million euros. Particularly notable are the FBG's

FBG contracts and agreements

	Number	Amount (millions of euro)
Projects (research and services)	609	9.64
Contracts and agreements	414	8.16
Agreements for the provision of services	195	1.48
European projects	42	24.03
Public institutions	11	1.15
Licenses ¹	10	0.08
Management of programmes and services	59	4.32
Total	731	39.22

¹ Income from 20 contracts, both this year as previous to 2013.



coordination of three projects (Hydrobond, Siforage and Genius) at a value of 6.4 million euros and four grants awarded by the European Research Council (ERC) at a value of 6.9 million euros, one for young researchers and three for senior researchers.

In the area of **protection, valorization and patent licensing**, 10 license agreements were signed and the income from these agreements and prior agreements reached 211,531 euros, 80,000 of which correspond exclusively to the FBG and the rest of the UB. The licensed technologies include a data collection and storage system for clinical studies; a data compression method and software; an endoscopic capsule; two hybridomas that produce monoclonal antibodies to target leukocyte membranes; software programs to monitor the quality of various kinds of wheat, flour and their by-products; a method and machine for the visualization of mantle cell lymphoma; a method to predict extrapyramidal symptoms caused by antipsychotic drugs, and a custom platform for the diagnosis of chronic lymphocytic leukaemia.

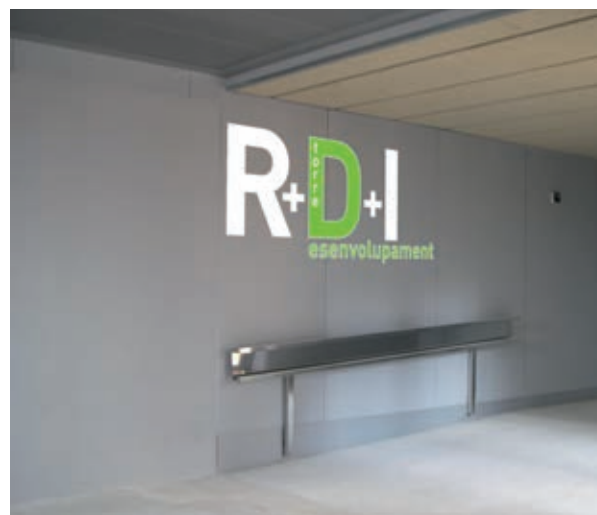
A total of 17 priority patent and 8 international patent applications were submitted. In addition, 45 invention proposals were put forward by researchers and evaluated by the FBG, and 15 applications for national phase patents were submitted in Europe, the United States, Japan and Brazil. In addition, 3 programming technologies were registered with the Intellectual Property Register, and 3 trade secrets for a new procedure to coat materials were filed with a notary public.

Valorization and licensing 2013

	Number
Invention proposals	45
Priority patent applications	17
International patent applications	8
National phase patents	15
Active transfer projects	95
License agreements	10
Trade secrets	3

Eighteen joint ownership contracts were negotiated and signed with other institutions sharing in the development of a technology that ultimately received protection.

The FBG's **support for entrepreneurs and business-creation** led to the launch of three companies (Braingaze, SL; Dapcom-Data Services, SL; and Endoasic Technologies, SL). The FBG also provided advice on 27 initiatives including new entrepreneurial projects and business plans, and firms in which the UB has a stake. With the FBG's support, the companies Smalle Technologies, Impetux Optics, Omicron Lighting, Minoryx Therapeutics, Immunovative Developments and Argon Pharma obtained public and private funding and won a variety of awards.





The Barcelona City Council, the University of Barcelona, the Universitat Politècnica de Catalunya, the University of Florida and the Cartographic and Geological Institute of Catalonia have signed an agreement to create a public-private consortium to set up a centre for technologies and applications for small satellites, which will have its permanent headquarters at the University of Florida (US).

Ara, 19 June 2014

Through the company Innovative and Scientific Culture (CIC), the FBG is responsible for monitoring spin-offs in which the UB has a stake. In 2013, the CIC became a shareholder in Endoasic Technologies, SL, Dapcom-Data Services, SL and Braingaze, SL, as initial compensation for, respectively, know-how contributed by the University of Barcelona, a family of joint patents shared with the Universitat Politècnica de Catalunya, and UB's know-how and a family of joint patents shared with ICREA.

In 2013, the **Barcelona Entrepreneurship Institute (BIE)** was set up. Founded by the University of Barcelona and the FBG, the BIE promotes and disseminates entrepreneurship of all types within the UB, including technology-based and socially based entrepreneurship.

With respect to **project administration and management** of research and transfer activities, the FBG looks after 59 UB programmes and services at a value of 4.32 million euros. In 2013, the number of people working under contract at the FBG on project-related tasks was 287 (172 on national projects and 115 on European projects).

Entrepreneurship 2013

Business creation proposals received	31
Entrepreneurship projects overseen	27
Technology-based spin-offs	3
New companies in which the CIC has a stake	3

The Health and Safety Unit paid visits to 56 companies and conducted 20 workplace assessments. Out of 482 individuals, 67% received check-ups.

To **promote the UB's scientific and technological offering** and market its technology portfolio, the FBG attended a dozen national and international trade fairs and conferences on the subjects of innovation and technology transfer, making contact with over 150 companies, 73% of them foreign. A total of 264 specific demands for research needs were identified.

At the **Centre for Innovation and Advanced Technologies (CITA)**, the External Advisory Committee was expanded with the addition of seven new companies, which have joined three areas of business expertise.

In the **Catalan government's reference networks for research**, the FBG manages six out of a total of eight.

In 2013, the FBG maintained contacts with 11 of the 22 **Catalan clusters** identified by Acció, involving a thousand companies. The aim is for UB research groups and reference networks to join and take active part in the various sectors to define new collaboration projects at the Spanish and European levels.

In the area of **dissemination**, the FBG organized a number of conferences to promote the different



types of knowledge transfer. These events were attended by nearly 150 people.

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 Petia Ivanova Radeva of the research group BCN Perceptual Computing Lab, which is affiliated with the UB's Faculty of Mathematics, for a project on methods of artificial visualization to assist in the treatment of atherosclerotic plaque, and the firm Infinitic Activos, SL, represented by Alfons Hidalgo.

Special chairs

- Chair in Family-Owned Business
- Joaquim Xirau Chair
- Unesco Chair on Women, Development and Cultures
- Ramon Trias Chair on the Catalan Economy
- Unesco Chair in Bioethics
- Pasqual Maragall Chair of Economy and Territory
- UB Chair for Research and Training in Internal Medicine
- UB Chair in Energy Sustainability
- Josep Termes Chair for Leadership, Citizenship and Identities
- Chair for the Integration of Disabled People in the Labour Market
- UB Chair on Meat and Health
- UB Zurich Insurance Chair
- UB Entrepreneurship Chair



Doctoral studies

During the academic year, the UB's offering included **73 doctoral programmes** linked to the areas of experimental sciences and engineering, health sciences, social sciences, the arts and humanities, and educational sciences. The cross-disciplinarity of the programmes, however, means that many are linked to more than one area. Four of the programmes are run jointly with other universities in Spain and 31 have received **Pathway to Excellence Awards**, which are issued after an assessment made by the National Agency for Quality Assessment and Accreditation (ANECA) and awarded by the Spanish Ministry of Education, Culture and Sport in official recognition of the quality of a doctoral programme.

Enrolment in the UB's doctoral programmes stood at **5,387 trainee researchers**. Of the total, 31.1% were international students.

With respect to **the doctoral qualification** itself, 65 doctoral students obtained the **title of European doctor** and 79 received **awards for outstanding theses** for theses defended in the academic year 2012-2013 that had obtained special honours.

The number of **doctoral theses read** during the academic year was 755. In 2012, the Royal Decree governing official doctoral studies came into effect. Under to this legislation, universities must store approved doctoral theses in an institutional repository using an open electronic format. To do this, doctoral theses are filed simultaneously in the TDX thesis and dissertation online repository and

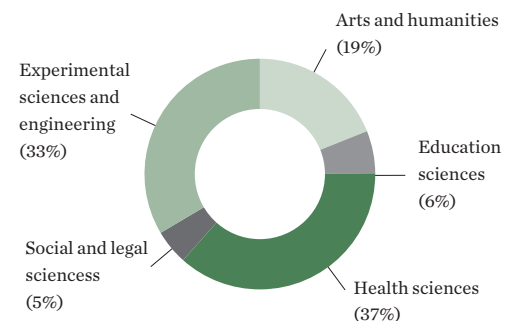
in the UB's own digital repository. This year, a total of 3,500 doctoral theses were migrated to the repositories and 386 theses were published.

Doctoral School

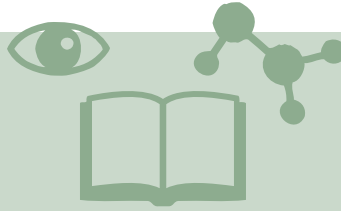
The **Industrial Doctorates Plan**, which was first piloted in the academic year 2012-2013, is a strategy of the Catalan government undertaken in collaboration with public and private universities to enhance the competitiveness and internationalization of Catalan industry, retain talent and prepare doctoral students to carry out R&D&i projects in companies. The ultimate goal is for the private sector to hire more doctoral students.

The key element of the initiative is the industrial doctorate project. These are strategic research projects that companies pursue with the involve-

Doctoral theses read, by branch of knowledge (2013-2014)



DOCTORAL STUDENTS



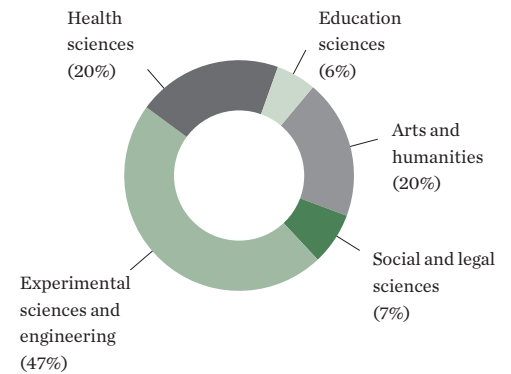
755 doctoral theses read

Breakdown of predoctoral researcher grants awarded by the Ministry of Education, Culture and Sport (MECE), the Ministry of Economy and Competitiveness (MEiC), the Government of Catalonia (GC) and the University of Barcelona

	Grants and contracts		Financial aid for temporary placements	
	Number*	Amount** (thousands of euros)	Number	Amount (thousands of euros)
For training university teachers (MECE) –FPU–	220	2,941	49	224
For training research staff (MEiC) –FPI–	199	2,768	71	184
For training research staff (GC) –FI–	197	3,073	–	–
For trainee research staff (UB) –APIF–	165	1,813	12	24
Teaching and research grants (UB) –ADR–	37	490	–	–
Total	818	11,086	132	432

* Includes renewals of existing grants and contracts.
 ** This excludes the total cost of enrolment.

Number of grants for doctoral theses, by branch of knowledge



ment of doctoral students who are working on a doctoral thesis in relation to a given research project. All the projects receive funding from the Catalan government.

In the 2013 call, the University of Barcelona obtained 9 projects with different companies, resulting in 9 collaboration agreements.

In the area of **cooperation between French and Spanish doctoral schools**, the University of Barcelona and Paris Descartes University (also known as



The researchers Hernando A. del Portillo, ICREA professor at Cresib-ISGlobal, and Josep Samitier, director of IBEC and a professor at the University of Barcelona, have created the first microchip to emulate the function of the spleen.

Gaceta Médica, 24 March 2014

Paris V) initiated contacts in December 2013 as part of a call held by the Ministry of Education, Culture and Sport. These efforts fall within the scope of a collaboration agreement reached between the two institutions and seek to analyse the objectives and operation of their doctoral programmes in order to establish a strong partnership in the preparation of jointly supervised doctoral theses and to foster contact between research groups at the two universities. As an example, a doctoral student in the Biotechnology programme completed a three-month stay at Paris Descartes University that enabled her to learn a new methodology in her area of work.

In the context of the HUBc health sciences campus, two calls for **mobility grants** in the field of biomedicine have been held jointly with other universities, primarily in the **Eurolife Network**, in order to



foster internationalization. The UB allocated 110,000 euros from the funds given to the HUBc by the Ministry of Education, Culture and Sport, through the 2011 call of the sub-programme focusing on institutional strengthening, in order to finance stays of one to three months in length and to provide monthly sums of 1,500 euros for travel, accommodation and living expenses.

In addition, the Doctoral School took part in several **activities** organized by international networks in which the UB is a member, selecting candidates, managing travel and funding events. The UB collaborated in the International Forum of Public Universities 2014 Doctoral Summer Seminar (Rabat, Morocco): History and Memories, and in the LERU Doctoral Summer School 2014 (Helsinki): Doing the right things right – Research Integrity in a Complex Society.

The UB was a first-time participant in the **Sixth Summer School on Medicines**, which has the support of the European project Transbio Sudoe and was held at the Barcelona Science Park in 2014.

As part of the 2013 **Erasmus Mundus** Action 2 programme – USA and Canada – the Education, Audiovisual and Culture Executive Agency (EACEA) of the European Commission selected the Nova Domus project (Network of America and Europe for Doctoral Mobility at Universities), providing funding for four years aimed at doctoral students, postdoctoral students and academic and

**DOCTORAL
SCHOOL**



9

Industrial doctorates



administrative staff in the areas of medicine, chemistry, biology and physics.

The project was submitted by a consortium in which the UB is coordinator and the following universities are participating members: the University of Leuven (Belgium), the University of Bologna (Italy), the Autonomous University of Barcelona, Pompeu Fabra University, Lund University (Sweden), the University of Glasgow (United Kingdom),

Dalhousie University (Canada), the University of British Columbia (Canada), the University of Montreal (Canada), the University of Ottawa (Canada) and Brown University (United States).

The project also draws on the involvement of associate institutions such as the Institute of Photonic Sciences (Catalonia), McGill University (Canada), Johns Hopkins University (US) and the University of Georgia (US).



“The fact that the UB is one of the most prestigious universities in Europe is why I decided to do my doctorate here.”

Mérida Rodríguez,
Erasmus Mundus student
in the international PhD in
Fetal and Perinatal Medicine



A university with international reach

Internacional institutional activity

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

International institutional activity

The **International Mobility Committee** has strengthened its role as a channel for communication between the Vice-Rector for International Policy, the Office of Mobility and International Programmes, and representatives of the UB's faculties and university schools.

Two major institutional programmes have been promoted: **Study Abroad**, which aims to increase the number of students attracted from US and Chinese universities, and the **International Summer School**, which organizes summer courses in English on a range of topics, including “Public health: Updating methods and topics”. Specific courses have also been added to the UB Economics portfolio and the programme “Managing creativity in an innovation society” was organized in collaboration with the *École des Hautes Études Commerciales de Montréal* (HEC Montreal).

The European Commission has renewed the University of Barcelona's Erasmus Charter for Higher Education. Consequently, the University can participate in all calls for proposals during the **Erasmus+ 2014-2020** programme. Erasmus+, which was approved by the European Parliament, was designed to improve students' professional skills and employability, and to modernize education, training and youth employment structures. This year, the University of Barcelona hosted the Erasmus+ meeting, “New opportunities for education in Europe”.



Rafael Correa, the president of Ecuador, received an honorary doctorate from the University of Barcelona in recognition of his policies on education and poverty reduction. Correa dedicated the honour to the hundreds of thousands of Ecuadorian immigrants living in Spain.

El Universo, 23 April 2014

“Shifting from a local conception of the world to a completely global one requires a total restructuring of the system.”

Sebastià Serrano,
Professor emeritus in the Department
of General Linguistics

As part of Erasmus Mundus Action 3 and the **TuBeMates project**, a competition has been announced for students, in which they are asked to produce innovative videos describing their exchange experiences.

The University obtained **European Union funding** for its participation in 49 institutional teaching projects, fifteen of which it coordinates. In the Erasmus Mundus programme, it led 10 projects and participated in a further 12 in conjunction with universities across Europe and in Syria, Jordan, Libya, Palestine, Russia, the United States and Canada. Altogether, 113 students and teaching and research staff received Erasmus Mundus scholarships and the number of Erasmus Mundus programmes has increased to seven.

As part of Erasmus Mundus Action 2, the **Central Asian and European Universities (CASEU)** project has been launched, with the University of Barcelona as coordinator. The aim of this project is to promote mobility for master's degree and doctoral students, administrative and service staff, and teaching and research staff. The following European universities, among others, participated in the last additional call for applications: the University of Porto, the University of Poitiers, the Technical University of Valencia and Radboud University Nijmegen, as well as Asian universities including Al-Farabi Kazakh State University, the Karaganda State Medical University and the Urgench State University. Various associations have also taken a role in the



Meeting of the executive commission of the Central Asian and European Universities (CASEU)

project, including the Catalan Association of Public Universities (ACUP) and Campus France.

The UB was handed the presidency of the **Euromed Permanent University Forum** this year, to strengthen links with Mediterranean higher education institutions. It also jointly organized the second Arab-Euro Conference on Higher Education (AECHE), held in Amman.

During the academic year, a total of 54 new **international agreements** were signed, as well as some two thousand Erasmus agreements for student and teaching staff mobility.

Over twenty **delegations** were welcomed from university institutions, consulates and embassies



from countries such as the United States, China, Russia, Korea, Holland, Ecuador, France and Romania; and from private international entities such as the Union for the Mediterranean, Universities of the Mediterranean, and Banco Santander. Other visitors to the University included students from the University of Liverpool (United Kingdom), the Enseirb Matmeca School (France), the University of Norway (Norway), Vanderbilt University (United States) and the Baden-Württemberg Cooperative State University (Germany). In addition, **visits** and meetings were organized at the universities of Glasgow, California and Equatorial Guinea.

The UB is an active member of various **international networks**. This year, it attended the Coimbra Group's General Assembly, which was organized by the University of Groningen, and took part in meetings of the Group's various working committees. It also attended the general assemblies of the LERU, the Catalan Association of Public Universities, the Confucius Institute of Barcelona, and the European University Association.

The University has continued to work with the Ramon Llull Institute to increase collaboration

with universities outside Spain, a programme that has been extended to other Catalan public universities as part of a Catalan Association of Public Universities (ACUP) project.

In the area of internationalization, the UB has continued to foster links with South-East Asia through the Confucius Institute of Barcelona, in which the University has a management role.

The UB has participated in several **international trade fairs and exhibitions**, including the Third International Exhibition and Conference on Higher Education (Riad), the China Education Expo 2013 (Beijing), the annual conference of the Asia-Pacific Association for International Education (Seoul), the fair of the European Association for International Education, and the Annual Conference & International Education Expo (San Diego).

To increase the visibility of efforts to internationalize the University of Barcelona, an institutional event was organized to welcome international students, and Erasmus Staff Week was held, which was attended by 27 representatives of administrative and service staff from 13 countries.

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

The academic year 2013-2014 was a year of transition to Erasmus+, and the University of Barcelona's Erasmus Charter for Higher Education was renewed. A total of 1,985 Erasmus+ agreements were signed, which represent 2,615 student exchange places.

Student mobility

The UB manages student mobility under the Erasmus, Erasmus Mundus Action 2 and Cinda programmes and through a series of additional bilateral agreements. All of these are reciprocal exchange programmes.

Erasmus is the largest mobility programme in Europe. Through Erasmus placements, students spend temporary periods at other universities within the European Union, which are then recognized by their home university. As part of this

programme, a total of 973 UB students completed academic exchanges, and 86 took up placements in other countries; a total of 1,098 international students completed placements at the UB.

In **Erasmus Mundus Action 2**, the UB coordinates two consortia on mobility between universities in the European Union and Russian universities. The UB is also involved in five other projects: three involving universities in the European Union and Syria, Lebanon, Jordan and Palestine; one with universities in the European Union and in Latin America; and one with universities in Africa, the Caribbean and the Pacific. It has welcomed 26 students from universities in these countries, and 9 UB students have spent a temporary study period in Russia and Jordan.

Bilateral agreements are signed with universities outside the European Union that are not eligible



Welcoming ceremony
for international
students



MOBILITY IN INTERNATIONAL EXCHANGE PROGRAMMES



1,736

international students welcomed

Staff mobility, by programme

	UB teaching and research staff	UB administrative and service staff	International teaching and research staff	International administrative and service staff
Erasmus exchange	60	32	–	27
Erasmus Mundus Action 2: associations	4	–	6	1
Coimbra Group	–	–	1	–
Consortium for Advanced Studies in Barcelona	1	–	–	–
Council on International Education Exchange	2	–	–	–
Other programmes (reception programmes for international teaching and research staff)	–	–	107	–
Total	67	32	8	28



International students

to participate in the Erasmus programme. These agreements are managed by the Office of Mobility and International Programmes (general agreements) or by individual faculties (specific agreements). The exchanges resulting from these agreements follow the Erasmus model; enrolment fees are not paid at the host university and the period of training is recognized by the home university.

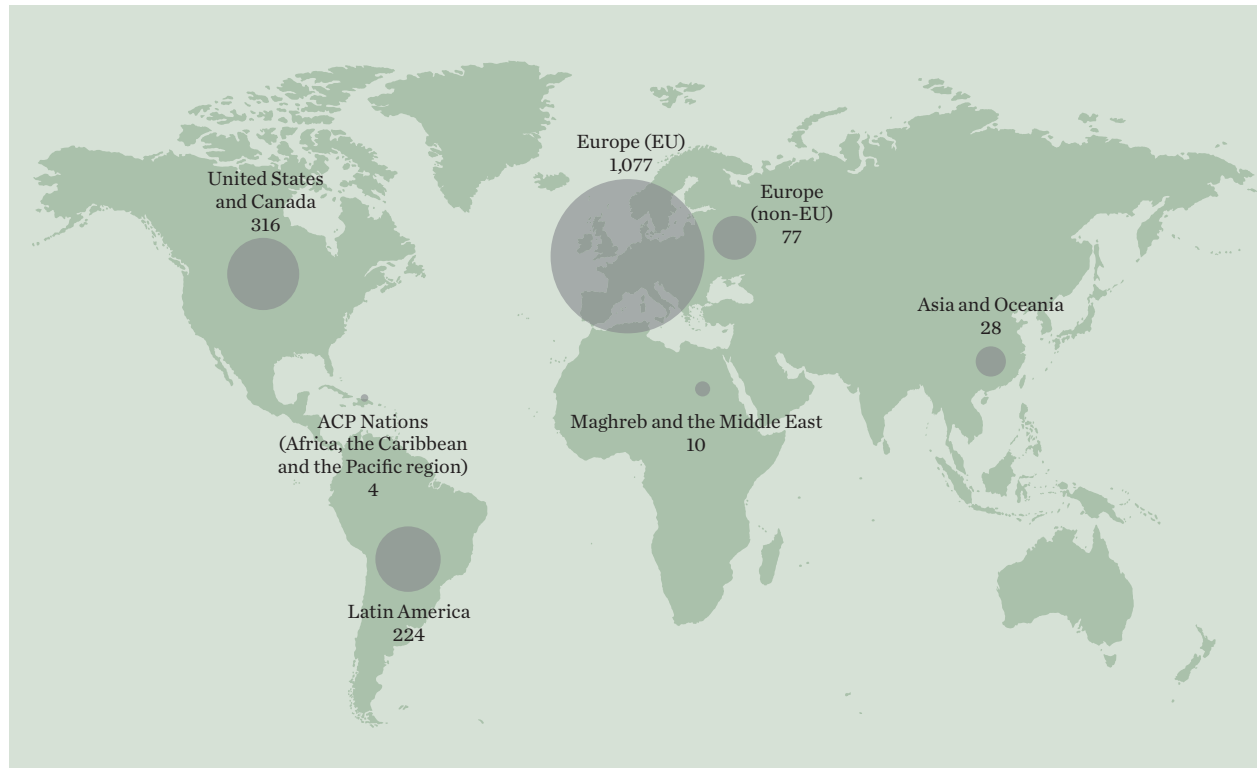
In total, the University of Barcelona has signed 82 bilateral agreements with universities in countries outside the European Union, at which 114 UB students have spent a temporary study period. Through these agreements, the UB has welcomed 148 students from outside Spain. In addition, as a result of twenty bilateral agreements drawn up with members of the **Coimbra Group**, the UB has

welcomed 10 students, and one UB student has spent a temporary study period abroad.

Cinda is an exchange programme for universities in Spain, Italy, Portugal and Latin America. A total of three UB students completed Cinda exchanges, and nine students from outside Spain came to the UB.

UB students who participate in one of the above mobility programmes can obtain **financial aid**. Under the Erasmus programme, all students obtain funding from the European Commission and an additional grant from the Spanish Ministry of Education, Culture and Sports. The offices of the Vice-Rector for Students and Language Policy and the Vice-Rector for International Policy also provided funding, including a total of 443 travel grants for students on the Erasmus programme,

International exchange students, by geographical area



and 22 grants for students on exchanges arranged under bilateral agreements or the Cinda programme. Through Mobint grants provided by the Agency for the Administration of University and Research Grants (AGAUR), the Government of Catalonia funded 389 UB students on various mobility programmes. In addition, 18 students received grants from the Banco Santander *Programa de Becas Iberoamérica + Asia*, and four students received grants in the *Fórmula Santander* grant programme for exchange periods in Latin American countries.

The UB is involved in three non-reciprocal mobility programmes. In these cases, students are welcomed for temporary study periods at the UB, but must pay enrolment fees. The programmes are: **Study Abroad**, through which agreements are made with US university consortiums or universities, leading to 289 students coming to the UB from the USA; **Ciencia sin Fronteras**, through which the Brazilian government awards grants to students so that they can spend a period studying at the UB faculties of Biology, Pharmacy or Chemistry, and involving 18 students; and **individual applications**, through

OUR COMMITMENT TO INTERNATIONALIZATION



9,486

international students from

126

countries

Student mobility, by programme and geographical area

Programme	Europe (EU)	Central and Eastern Europe (non-EU)	United States and Canada	Latin America	Maghreb and the Middle East	Asia and Oceania	Total	% women
Erasmus: academic study	916	57	0	0	0	0	973	65.5
Erasmus: work placements	81	5	0	0	0	0	86	74.4
Erasmus Mundus Action 2: associations	0	4	0	0	5	0	9	55.6
Coimbra Group	1	0	0	0	0	0	1	0.0
Bilateral agreements	0	0	32	62	0	20	114	65.2
Cinda	0	0	0	3	0	0	3	100.0
Individual applications	3	1	4	3	0	0	11	63.6
Total UB students	1,001	67	36	68	5	20	1,197	66.1

International student mobility, by programme and geographical area

Programme	Europe (EU)	Central and Eastern Europe (non-EU)	United States and Canada	Latin America	Maghreb and the Middle East	Asia and Oceania	ACP Nations	Total	% women
Erasmus: academic study	1,049	49	0	0	0	0	0	1,098	67.3
Erasmus Mundus Action 2: associations	0	11	0	6	9	0	0	26	73.1
Coimbra Group	7	2	0	0	0	0	0	9	77.8
Bilateral agreements	0	12	25	89	0	22	0	148	65.5
MAEC-AECID	0	0	0	7	1	0	2	10	80.0
Cinda	0	0	0	9	0	0	0	9	33.3
Specific US programmes (Study Abroad)	0	0	289	0	0	0	0	289	72.3
Fundació Carolina	0	0	0	10	0	0	0	10	80.0
Ciencia sin Fronteras	0	0	0	18	0	0	0	18	83.3
Individual applications	21	3	2	85	0	6	2	119	63.9
Total	1,077	77	316	224	10	28	4	1,736	68.0



which a total of 119 students came to the UB from around the world and 11 UB students spent a temporary study period abroad.

Doctoral students were also offered the chance to take part in mobility programmes. The Spanish Ministry of Foreign Affairs and Cooperation has renewed a **MAEC-AECID** grant for ten students enrolled in doctoral programmes at the UB. Ten doctoral students have also been accepted from universities in Latin America, with grants provided by the **Fundació Carolina**.

In total, temporary study periods have been organized for a total of 563 international students.

Staff mobility

Under the Erasmus programme, 60 lecturers took up exchange placements, mainly at universities in Portugal, Germany and Italy. Four lecturers spent periods at other universities as part of the Erasmus Mundus Action 2 programme (three at Russian universities and one at a university in Jordan). Under agreements with two US consortia in the Study Abroad programme, a researcher completed a research placement at Stanford University and two lecturers spent language immersion periods at the universities of Princeton and Columbia.

In total, 114 international lecturers have been welcomed to the UB, mainly from Brazil, Mexico, Italy and Russia, and temporary periods at the University were organized for a further 79 lecturers from outside Spain.

A total of 32 members of the UB's administrative and service staff have taken up placements at universities in the European Union, and 28 employees of other universities have been welcomed as part of Erasmus programmes (including Staff Week and individual placements) and Erasmus Mundus.

International projects

The University has participated in 49 academic or institutional collaboration projects in various European Commission calls for proposals (Lifelong Learning Programme, ALFA Programme, Tempus Programme, three European Cooperation in Science and Technology actions, Erasmus Mundus Action 3, among others). It coordinates 15 of these projects.

In the call for financial aid organized by the Office of the Vice-Rector for International Policy, to promote internationalization across the UB, grants were awarded to 14 projects involving partner universities around the world.





B Universitat de Barcelona

Gran Via de les Corts Catalanes, 585
08007 Barcelona
Tel. 934 021 100
www.ub.edu