



UNIVERSITAT DE BARCELONA

U

B

# Report on the academic year 2009-2010

The University of Barcelona





# Report on the academic year 2009-2010

The University of Barcelona

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# Presentation



Welcome to the University of Barcelona.

It is my pleasure to introduce you to this report on the University of Barcelona's activities during the academic year 2009-2010. In the pages that follow, you will find an account of our efforts in all areas of higher learning: teaching and research, innovation and knowledge transfer, internationalization and our close relationship to society.

Since its founding, the University of Barcelona has maintained and developed its own unique identity. As a university in the heart of the city of Barcelona, the UB has grown and developed through over five hundred years of change, remaining intensely active in academic studies and scientific research.

This year, in connection with the European Higher Education Area, the UB has offered 49 EHEA bachelor's degrees, 130 university master's degrees and 68 EHEA doctoral programs. More than 90,000 UB undergraduate and postgraduate students have passed through our classrooms or benefitted from our distance learning opportunities.

In the area of research, the University of Barcelona has maintained its position as the top Spanish university in the most renowned international rankings and we have continued to improve our overall position as well. As a result, the UB was named to the prestigious League of European Research Universities (LERU) on 1 January 2010, making the UB the only Spanish university to become a member of that esteemed association.

In 2009, the UB, together with the Technical University of Catalonia (UPC), won the distinction of Campus of International Excellence for our joint project Barcelona Knowledge Campus (BKC), and in 2010 the UB again won recognition for its project Health Universitat de Barcelona Campus (HUBc).

As part of our continuous improvement process, the UB has taken steps to modernize technological support tools, expand services to the university community, and increase the program of institutional and cultural activities. All of these efforts have been driven by the UB's Management Plan 2009-2012 and the first assessment of results is now complete.

Above, I have mentioned a few of the year's highlights. Now I would like to invite you to read the contents of our Report, look back on other UB activities undertaken over the past year and glance ahead onto the UB's future plans in service to society.

Dídac Ramírez  
*Rector of the University of Barcelona*



«I believe that, above all, the strength of the University of Barcelona's presence in the public sphere comes from its teaching and research quality and the quality of its administrative and service staff. (...) We all form the University. It's a question of team work and I feel part of that team.»

**Cristina Cruz,**

member of administrative and service staff Secretary's Office for Students and Teaching Staff of Bellvitge

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# 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





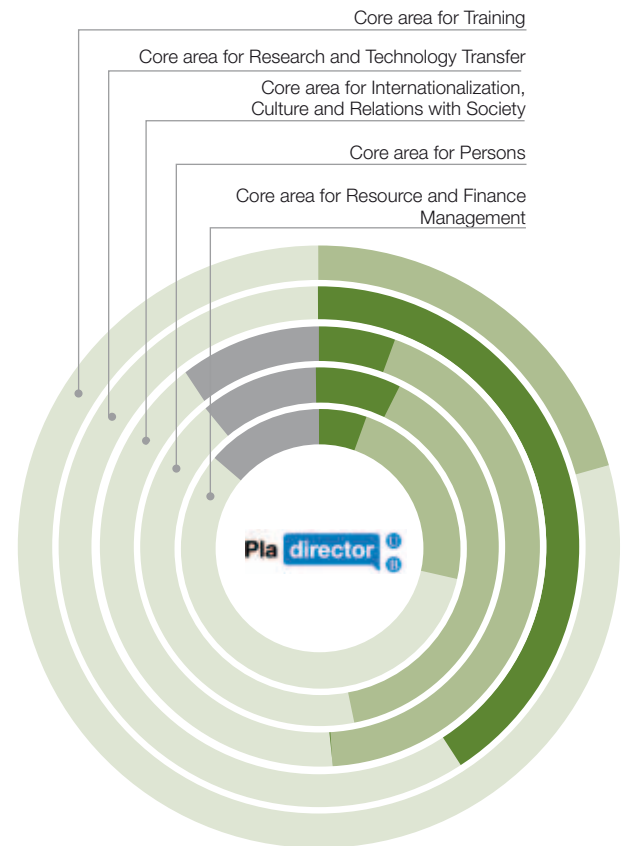
## Strategic vision of the University of Barcelona

The University of Barcelona's Management Plan sets out the guidelines for the strategic actions to be conducted by the rector's executive council and governing bodies in six main blocks. It establishes a series of 44 objectives and some 200 actions to achieve these, grouped together in the five core areas **Learning, Research and Technology Transfer, Internationalization, Culture and Relations with Society, Persons and Resource and Finance Management.**

The assessment of results for the year 2009 was conducted using 82 indicators, 9.7% of which showed the achievement of objectives that had been set out for 2012 and 77.4% of which showed either an improvement or a maintained standard with regard to previous assessments.

The University's strategic vision seeks to achieve improvements in the UB's international standards as represented in university league tables and ranking associations, awards of distinction and membership of quality groups and associations. These improvements correspond to the actions documented throughout the Report.

“ Barcelona is set to convert its Zona Franca district into a capital of industrial innovation. The University of Barcelona will join the three project platforms, which are dedicated to technology, food and culture. In the case of the cultural platform and as the first step towards the creation of the future Science Park for Humanities and Social Sciences, the University will launch the UB Factory. ”



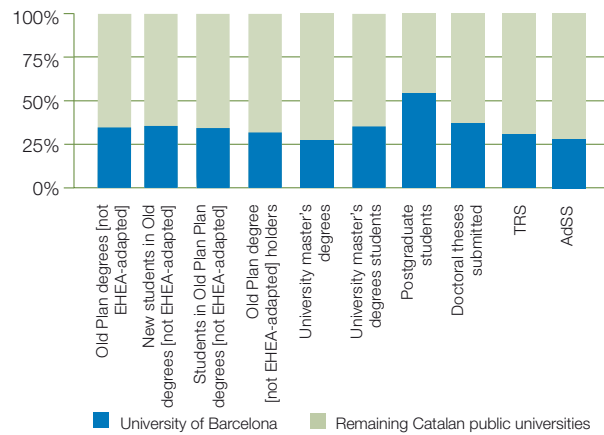
- Achievement of 2012 objectives
- Improvement with regard to previous assessments
- Maintained standard with regard to previous assessments
- Objectives of 2009 not achieved



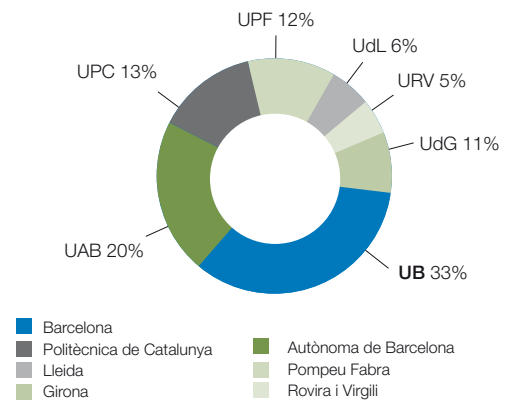
«What motivated me to enrol in the UB was the fact that it was the University that offered prospective students the most information on the courses they were interested in. Their enthusiasm in the organization of open days was also a major factor.»

**Carlos Janussi,**  
Philosophy student

**The UB in the Catalan university system. Academic year 2008-2009**



**Incoming EHEA bachelor's degree students in the Catalan public universities in the academic year 2009-2010**



Faculties of Physics and of Chemistry





A university spanning the centuries and serving the community

Quadrangle of the Historic Building

## Summary of basic figures

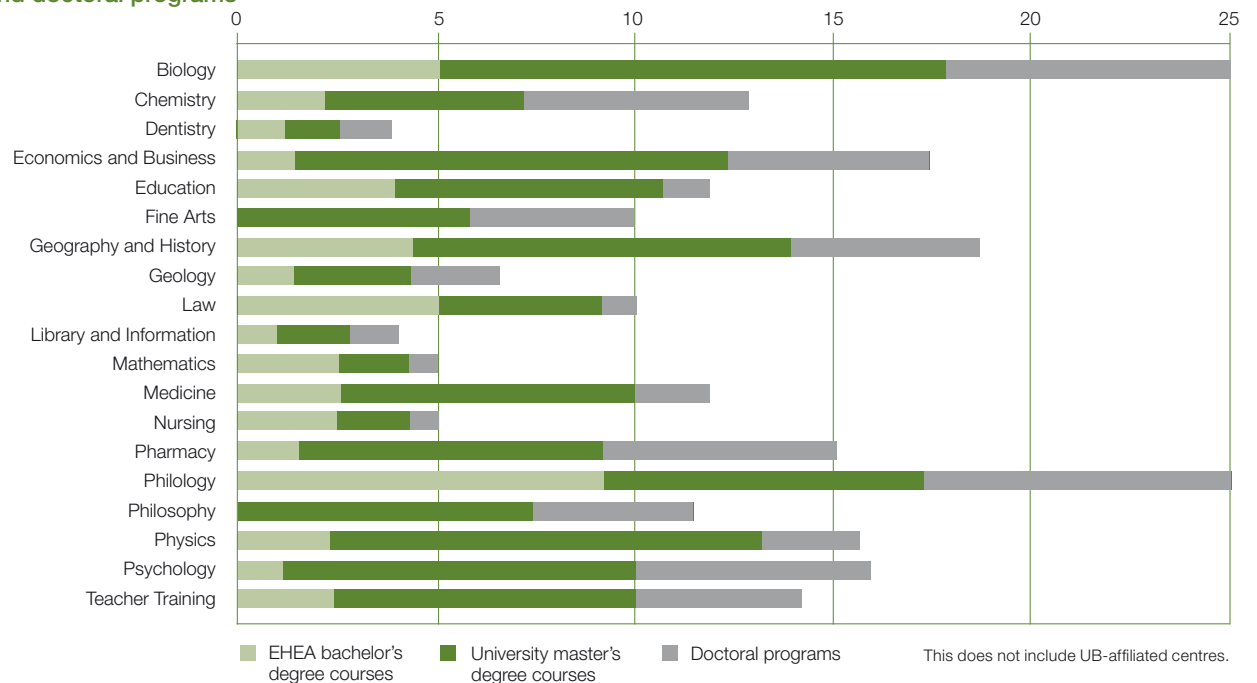
### Structure

Constructed surface area (sq m)	593,541
Centres (faculties and university schools)	19
UB-affiliated centres	5
Departments	106
UB-specific institutes and research centres	23
Participating institutes and research centres	13
Interuniversity institutes	2
Documentation centres	3
Observatories	9

### Course offerings

EHEA bachelor's degree courses	49
Old Plan degree courses not adapted to the EHEA	20
University master's degree courses	130
Doctoral programs	68
Doctoral programs carrying quality awards	30
Postgraduate degree courses	338
University extension courses	71
Corporate lifelong learning courses and open courses (IL3)	728

### Course offerings for 2009-2010: EHEA bachelor's degree courses, university master's degree courses and doctoral programs





«The UB has given me a lot. In my group there were people from all over the world and so apart from what we learnt in class, we also got to know each other and learn things about each other's countries.»

**Elena Lebedeva,**  
doctoral student  
of sociology

### Students at the UB

	2007-2008	2008-2009	2009-2010
Total students UB*	81,043	92,924	91,656
% women of the total students	66.61	65.5	65.6
Students in EHEA bachelor's degree courses**	-	-	10,717
Incoming students in EHEA bachelor's degree courses	-	-	7,869
Students in Old Plan degree courses not adapted to the EHEA	49,213	48,985	38,073
Incoming students in Old Plan degree courses not adapted to the EHEA	11,347	11,720	4,061
FTE students in EHEA bachelor's degree courses and Old Plan degree courses not adapted to the EHEA	36,334	36,890	38,536
Students in university master's degree courses	2,394	3,788	4,993
Incoming students in university master's degree courses	1,920	2,494	3,101
Students in doctoral programs	1,613	685	2,113
Students preparing doctoral theses	2,033	2,734	1,514
Students in postgraduate courses	8,163	8,642	9,520
University extension students	1,164	1,400	1,304
Students in lifelong learning courses (IL3)	31,416	30,992	28,535
Students in affiliated centres (EHEA bachelor's degree courses, Old Plan degree courses not adapted to the EHEA and university master's degree courses)	3,647	3,516	3,376
International students under exchange programs at the UB	1,923	1,748	1,660
UB students under exchange programs outside Spain	740	790	893
Non-curricular practicum students	1,840	1,848	1,898



Holders of Old Plan degree courses not adapted to the EHEA	6,810	7,108	7,510
Doctors	531	503	469

\* This excludes 3,732, 4,419 and 5,113 postgraduate and lifelong learning students jointly managed by the UB and IL3.

\*\* This includes students completing study programs in the process of being adapted or phased out.

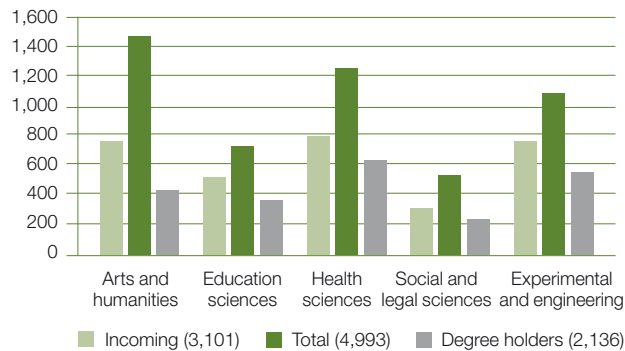


Faculties of Economics and Business

### Students in Old Plan degree courses not adapted to the EHEA and EHEA bachelor's degree courses by study area

Study area	EHEA bachelor's degrees		Old Plan degree courses not adapted to the EHEA		
	Incoming	Total	Incoming	Total	Degree holders
Arts and humanities	1,567	2,140	677	6,895	1,107
Education sciences	1,610	1,704	256	4,789	1,598
Health sciences	1,748	2,824	200	6,183	1,546
Social and legal sciences	1,328	1,773	2,751	16,243	2,443
Experimental sciences and engineering	1,616	2,276	177	3,963	816
<b>Total centres UB</b>	<b>7,869</b>	<b>10,717</b>	<b>4,061</b>	<b>38,073</b>	<b>7,510</b>
Affiliated centres	644	1,341	94	1,859	660
<b>TOTAL UB</b>	<b>8,513</b>	<b>12,058</b>	<b>4,155</b>	<b>39,932</b>	<b>8,170</b>

### Students in university master's degree courses



This does not include students in UB-affiliated centres.

### Other students by teaching centre

Other students	2009-2010	% women
School of Modern Languages	4,204	65
Institute of Hispanic Studies	2,544	65.8
Language Services	3,471	66.9
Summer courses	2,234	66.2
Institute of Education Sciences	10,708	63.5
Courses for Senior Citizens	4,000	78



“ Since 1992, University of Barcelona lecturer Josep Padró has been leading excavations at Oxyrhynchus (el-Bahnasa, Egypt). Padró and his team are also in charge of the restoration and conservation of monuments, (...) using a series of modern audiovisual techniques. ”

GEO Magazine  
1 April 2009

### Teaching and research staff (TRS)

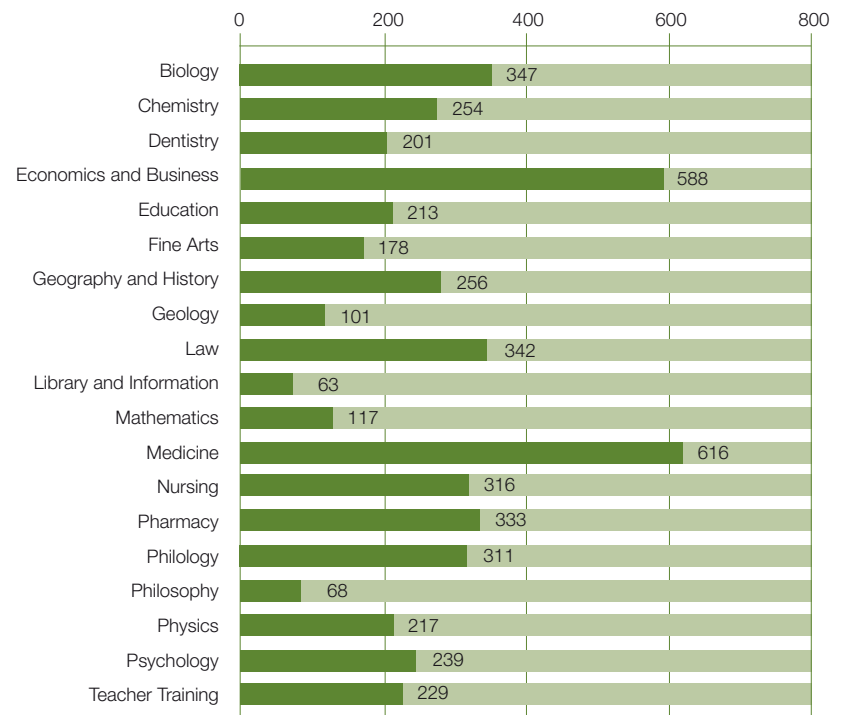
		% women
<b>Total TRS</b>	<b>4,995</b>	<b>43.6</b>
Full university professors	542	20.3
Full university school professors	37	54.1
Tenured university lecturers	1,449	42.2
Tenured university school lecturers	298	57.7
LOU-contracted professors	1	0
Tenure-track 2 lecturers	194	42.8
Tenure-track 1 lecturers	231	59.3
Temporary lecturers	48	66.7
Full-time temporary lecturers	31	71
Adjunct lecturers	1,234	46
Adjunct medical lecturers	463	44.3
Assistant lecturers	152	57.9
Others	315	41.3
<b>Full-time equivalent lecturers (FTEs)</b>	<b>3,808.60</b>	<b>43.9</b>
<b>TRS with a permanent affiliation*</b>	<b>2,552</b>	<b>39.9</b>

\* This includes lecturers, tenure-track 2 lecturers, full-time temporary lecturers and LOU-contracted professors.

### Teaching improvement and innovation

Teaching improvement and innovation	2009-2010
Consolidated teaching innovation groups	50
Teaching innovation groups	36
Financed teaching innovation projects	95
TRS participating in ICE training (%)	50.2

### Distribution of TRS by faculty and school



This does not include six members of TRS from the Institute of Education Sciences (ICE).





«At the end of the 1980s there were more men in key personnel positions but this is what's beginning to change now, with more women securing these positions.»

**Montserrat López Martos,**  
member of administrative and service staff.  
Administrator at the Faculty of Library and  
Information Science and at Sants Campus

### Administrative and service staff (AdSSS)

		% women
<b>Total AdSS</b>	<b>2,348</b>	<b>65.4</b>
Civil service AdSS	1,055	82.7
Group A	61	
Group B	184	
Group C	491	
Group D	311	
Group E	8	
University-contracted AdSS	1,293	51.5
Group I	297	
Group II	242	
Group III	489	
Group IV	242	
<b>Ratio AdSS/TRS</b>	<b>0.47</b>	

### Services

<b>Library</b>	
Monograph collections	1,649,786
Periodical collections	51,420
Library loans made	714,164
Individual reading desks	6,296
<b>UB Sports users</b>	<b>6,746</b>
<b>Service grantholders</b>	<b>488</b>
<b>Accommodation in university halls of residence</b>	
UB centres	910
Associated	864
<b>UB Alumni members</b>	<b>4,450</b>





«The University's role is to steer the generation and transmission of knowledge to the student body, keep students abreast of the current developments in different fields and provide them with a solid foundation in their learning process.»

**Àlex Haro,**  
tenured lecturer at the  
Faculty of Mathematics

### Research and technology transfer at the UB

	2007	2008	2009
<b>Income generated by research and technology transfer</b> (thousands of euros)	<b>76,643</b>	<b>90,258</b>	<b>108,680</b>
Research projects*	31,484	52,882	76,715
Research projects - FBG contracts	14,729	13,663	15,129
Infrastructure	2,164	1,549	1,605
Other grants	18,047	10,206	9,515
UB agreements	8,267	10,142	3,750
FBG agreements	1,952	1,816	1,966

\* This includes 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 Institute for Research in Biomedicine (IRB) and the Barcelona Science Park (PCB).

Research activity	2009
Lecturers and professors participating in R&D (%)	62.13
Contracted research doctors	141
AdSS supporting research	245
Research grantholders	979
Research groups consolidated by the Catalan government (Generalitat de Catalunya)	243
Active research projects	625
Patent applications	24
Newly-created technology-based companies	5
Doctoral theses submitted	528
Scientific publications*	3,679

\* Cited by the Institute for Scientific Information (ISI).

Barcelona Science Park (PCB)	2009
Personnel	2,245
Private companies in the PCB	56
Research groups in the PCB	81

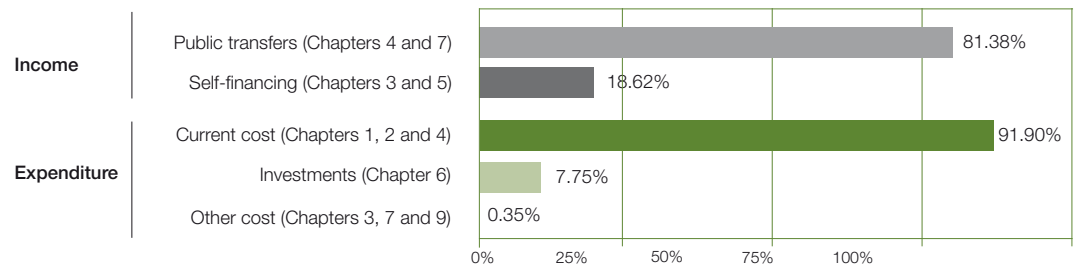
Scientific and Technical Services	2009
UB users (head researchers)	442
External invoicing (thousands of euros)	3,630
Value of scientific material (thousands of euros)	40,490



**Budget for 2010**

<b>Income</b> (thousands of euros)	<b>379,341</b>
Chapter 3. Taxes and other income	69,499
Chapter 4. Current transfers	291,503
Chapter 5. Additions to capital	1,136
Chapter 7. Capital transfers	17,203

<b>Expenditure</b> (thousands of euros)	<b>379,341</b>
Chapter 1. Staff costs	278,899
Chapter 2. Acquisition of goods and services	58,684
Chapter 3. Financial costs	250
Chapter 4. Current transfers	11,035
Chapter 6. Acquisition of assets	29,402
Chapter 7. Capital transfers	389
Chapter 9. Financial liabilities	682



Faculty of Biology

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

Sant Jordi Hall of Residence

Sant Joan de Déu University School of Nursing

## Barcelona Knowledge Campus (BKC)

- Faculty of Law
- Faculty of Economics and Business
- Faculty of Fine Arts
- Faculty of Biology
- Faculty of Pharmacy
- Faculty of Physics
- Faculty of Geology
- Faculty of Chemistry
- Penyafort-Montserrat-Llull Halls of Residence

Faculty of Library and Information Science

## Medicine Campus-Hospital Clínic August Pi i Sunyer

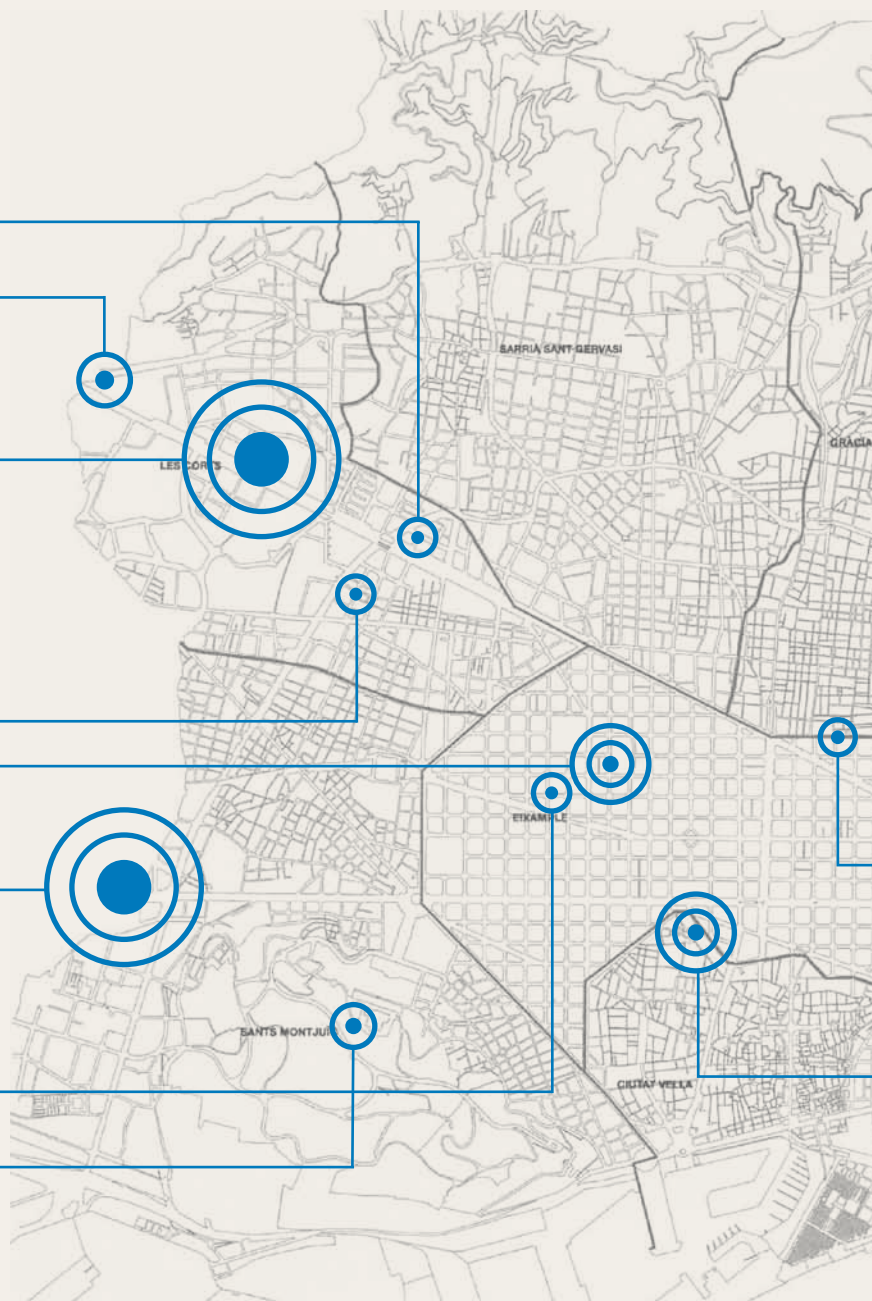
- Faculty of Medicine (Casanova)
- Hospital Clínic of Barcelona

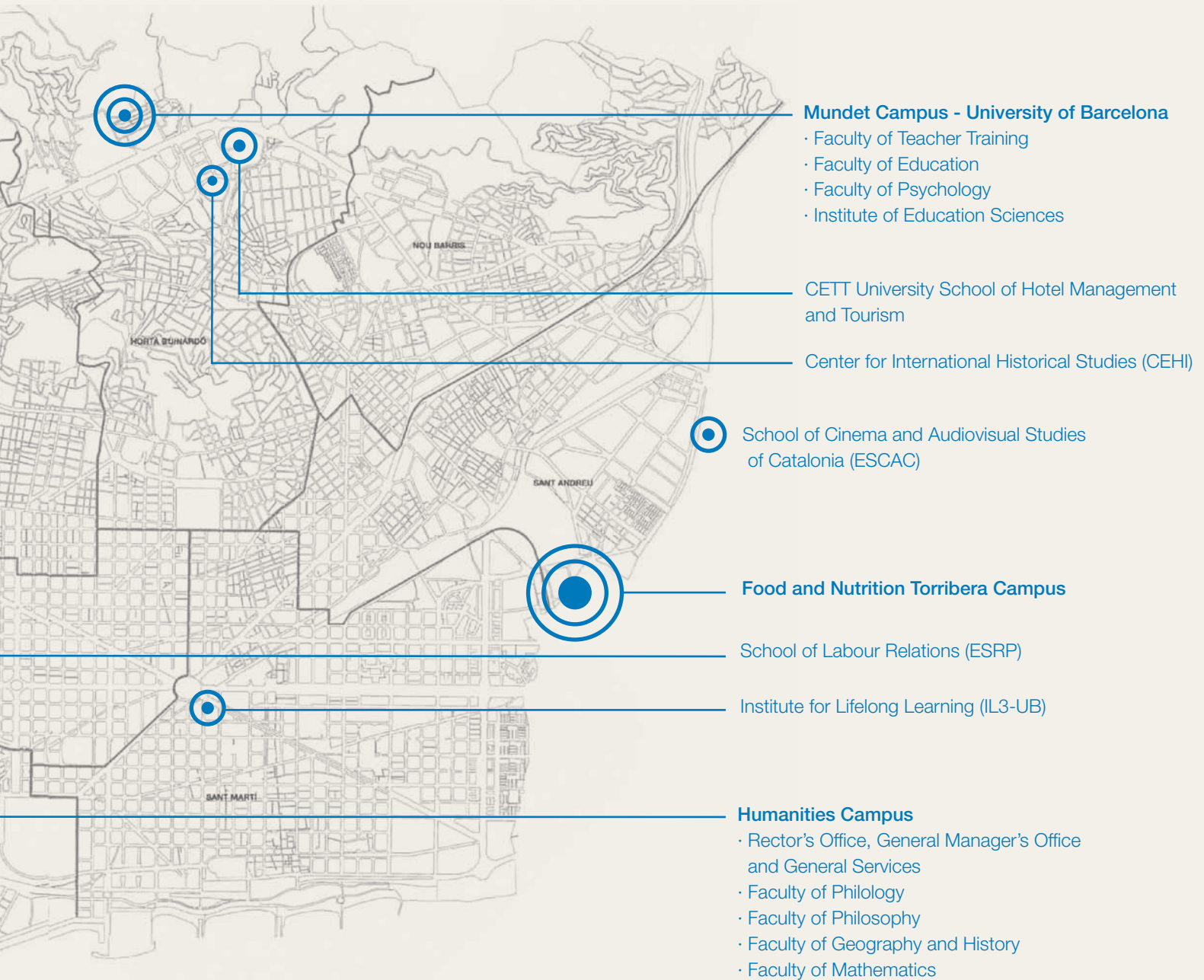
## Bellvitge Health Sciences Campus

- University School of Nursing
- Faculty of Medicine (Bellvitge)
- University Hospital of Bellvitge
- Faculty of Dentistry

School of Labour Relations (ESRP)

National Institute of Physical Education of Catalonia (INEFC)







«Working at the UB is an absolute joy. Part of it, I think, is that we are always looking for new ideas, seeking new ways to make things better... it really is an ongoing process of improvement.»

**Montserrat López Martos,**  
member of administrative and  
service staff. Administrator of the  
Faculty of Library and Information  
Science and the Sants Campus

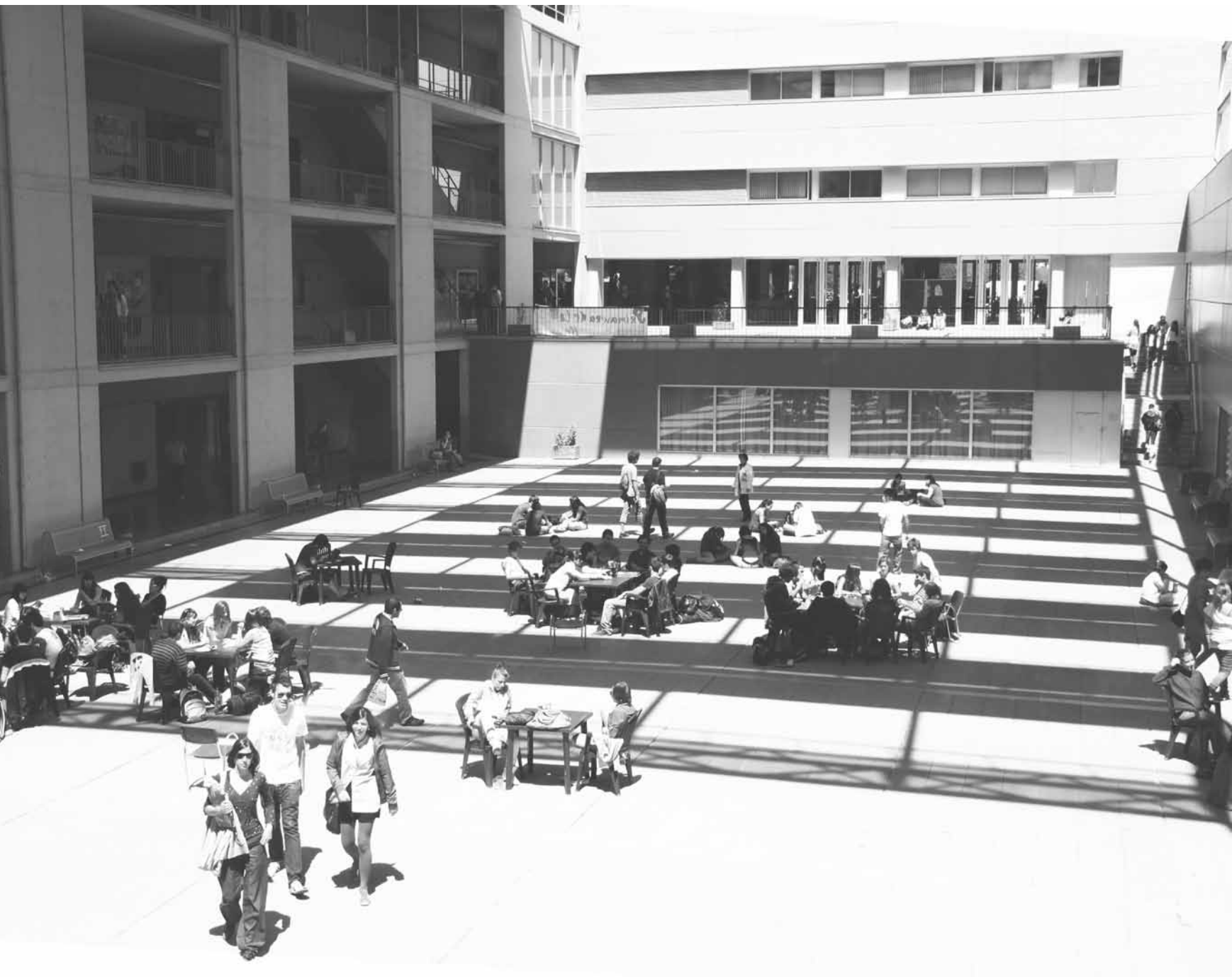
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# A university focused on people

Services for the university  
community

Institutional and cultural activities

Student services





Faculty of Biology

## Services for the university community

During the academic year 2009-2010, the University of Barcelona has continued to be firmly committed to the principle of **social responsibility** and to taking the steps necessary to improve the institution's impact in economic, environmental and social areas. To this end, **Internal Control, Risks and Corporate Social Responsibility** gathers information and draws on the involvement of the university community as part of the Global Reporting Initiative (GRI), the most widely used and accepted framework for preparing reports on sustainability and exercising internal control of corporation social responsibility. The goal of GRI is to assist in the measurement, understanding and improvement of social, economic and environmental compliance from organizations.

The UB's **Committee for Gender Equality** is composed of a representative from each faculty and the University School of Nursing. Currently, the committee is preparing the **Second Gender Equality Plan** for the upcoming two years. The aim of the plan is to foster equality among all people within the university community. Implementation of the plan will call on our collective commitment to take all the envisaged steps and guarantee and promote respect for diversity, collaboration and shared work.

The **Ombuds Office** is an independent, autonomous institution charged with defending the rights and freedoms of the student body, teaching and research staff, and administrative and service staff. During the academic year, 115 requests for intervention were addressed.

As a part of our implementation of a culture of respect and humanization, the University of Barcelona has created the **Office for Conflict Resolution and Mediation** to foster, maintain and safeguard this culture. The aim of the office is to facilitate dialogue, resolve conflicts and carry out mediation so that the parties to a conflict can enter into voluntary discussion in a context of mutual respect and equality.

Amongst other actions, in the area of **occupational safety and health** the administrative unit Health, Safety and Environmental Issues (OSSMA) has pursued eight main lines: self-protection plans, risk assessment, management systems, health vigilance, training, waste management, university life and natural setting.

The preparation of emergency plans for UB premises continues. The assessment of psychosocial risks and the implementation of an IT system to manage risk prevention are both underway. In addition, work with the centres is currently focusing on the preparation of safe and sustainable teaching practices and the availability of training in risk prevention is being increased to members of the university community.

The UB provides a work-related medical service. During the year, the service hired its own staff and it opened new facilities in June 2009. This has given a fresh impulse to the healthcare aspect of the UB's Risk Prevention Service and it reflects a clear and



Our commitment to the environment

60%

of selective waste collected from total waste generated in 2009



increased commitment to workers' health in relation to the specific risks to which they are exposed in the workplace.



In the **environmental area**, our advances in municipal waste management were reflected in the selective collection of 60% of total waste generated. In addition, the UB made progress in the management of chemical, healthcare and animal waste from laboratories. In the area of mobility, the Bicicampus project continued to provide bicycles on loan to members of the community and the UB started a diagnostic study on the issue of mobility at the Diagonal Knowledge Gateway Campus. Lastly, a campaign promoting green purchasing sought to raise the use of recycled material and establish environmental sustainability in offices. In the environmental area, our advances in municipal waste management were reflected in the selective collection of 60% of total waste generated. In addition, the UB made progress in the management of chemical, healthcare and animal waste from laboratories. In the area of mobility, the Bicicampus project continued to provide bicycles on loan to members of the community and the UB started a diagnostic study on the issue of mobility at the Diagonal Knowledge Gateway Campus. Lastly, a campaign promoting green purchasing sought to raise the use of recycled material and establish environmental sustainability in offices.

Faculty of Economics and Business



“ The University of Barcelona announces the publication of the biography of a student of Vicens Vives that captures the drama face by a large number of religious progressives. [...] María José Sirera knew how to wed his fight for social justice with a profound mysticism. In *El riesgo de la utopía*, Mercedes Vilanova and M<sup>a</sup> Julia de Eguillor set out to keep fresh in our minds this daring Christian thinker. [...] Professor Vilanova is an internationally renowned specialist in the field of oral history [...]. ”

*La Vanguardia*  
11 August 2010

## Institutional and cultural activities

During the academic year 2009-2010, two figures in the world of science received **honorary doctorates** from the University of Barcelona: the molecular biologist **Walter Gehring**, who was awarded the title Doctor Honoris Causa in a ceremony promoted Emili Saló, university professor at the Department of Genetics and head researcher of the UB research

group Developmental Biology and Genetics (26 January 2010); and the chemist **Rafael Foguet**, awarded the Doctor Honoris Causa in a ceremony promoted by José Costa, UB emeritus profesor and dean at the Catalan Society of Chemists (Col·legi Oficial de Químics de Catalunya) (19 March 2010).



Rafael Foguet  
and Walter Gehring.



“ The scientist Javier Tejada Palacios, chair in Solid State Physics at the University of Barcelona, is the recipient of the Blas Cabrera National Research Prize in the area of Physical, Material and Earth Sciences in recognition of his discoveries in the field of quantum magnetism [...], specifically, the discovery of the spin-tunnel. [...] With respect to applications, the group at the University of Barcelona has several patents with Spanish and multinational companies. ”

*La Vanguardia*  
17 November 2009

The **Doctors' Senate**, which has a membership of 956, awarded the thirteenth annual prize for doctoral theses to Dr. **Vanessa Soto Cerrato**, of the Department of Pathology and Experimental Therapy in the Faculty of Medicine, for her doctoral thesis on the characterization of the anti-cancer effect and identification of molecular targets in active principles of the bacterium *Serratia marcescens*.

**Awards and honours** received by the members of the university community during the academic year 2009-2010 include the following:

- **Emma Martinell**, honorary doctorate from the Faculty of Arts at the University of Göteborg (Sweden).
- **Antoni M. Badia i Margarit**, honorary doctorate from the National University of Distance Education (UNED).
- **Mary Nash**, honorary doctorate from the University of Granada.
- **Jacint Nadal**, honorary doctorate from the Metropolitan Autonomous University of Mexico (UAM).
- **M. Dolores Juliano** and **Josep M. Codina**, Cross of Sant Jordi.
- **Carles Miralles**, Prize for Literary Criticism in the category of Catalan language.
- **Javier Tejada**, Blas Cabrera National Research Prize.
- Teaching Innovation Group for Applied Botany in the Pharmaceutical Sciences (**GIBAF**)

and Teaching Innovation Group **COMBELL** (Bellvitge Competences), Jaume Vicens Vives Award for quality in university teaching.

- **Ferran Palero**, Joan Lluís Vives Prize in Scientific Communication 2008.
- **Manel Esteller**, Research Prize in Molecular Biology 2009 from the Carmen and Severo Ochoa Foundation.
- **Carles Sudrià**, **Josep Maria Benaul** and **Antoni Garrido**, the 2008 edition of the Joan Sardà Dexeus Prize.
- **Begoña Piqué Simon**, Normal School Award from the Catalan government.
- **Ricard Guerrero**, Fernando González Bernáldez Medal.
- **Sergi Grau**, Cum Laude Prize from the Institut Món Juïc.
- **Jorge Calero**, new chairman of the educational evaluation oversight body, Consell Superior d'Avaluació del Sistema Educatiu.
- **Manel Viader**, new chairman of the Conference of Deans of Psychology in Spanish Universities.
- **Javier Martín-Vide**, new chairman of the Association of Spanish Geographers (AGE).
- **Salvador Claramunt**, chairman of the Spanish Society of Medieval Studies.
- **Francesc Illas**, member of the European Academy of Sciences (EURASC).
- **José Remesal**, member of the Spanish Royal Academy of History (RAH).



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1. Inauguration of the academic year 2009-2010.

2. Inauguration of the new facilities completed at the Pavelló de la República.

3. Presentation of the book *La Universitat de Barcelona* (1450).

- **Pilar Bayer Isant**, member of the Spanish Royal Academy of Exact, Physical and Natural Sciences.
- **Eduardo L. Mariño**, member of the Ibero-American Academy of Pharmacy.
- **Fèlix Campelo**, Award for Outstanding Doctoral Thesis Research in Biological Physics, given by the American Physical Society.
- **Oriol Riba i Arderiu** and **Ferran Colombo i Pinyol**, special mention in the City of Barcelona Prizes.
- **Rafael Llorach**, recipient of the one of the Merck Serono Research Grants 2010.
- **Mar Coll**, honoured by three Gaudí awards and one Goya award for her film *Three Days with the Family* (*Tres dies amb la família*) (Gaudí awards: best picture in Catalan, best director and best lead actress for Nausicaa Bonnín; the Goya award: best new director).
- **David Gallart**, Gaudí award for best editing for *Rec-2*.
- **Ventura Durall**, honoured by three Gaudí awards for his film *The Two Lives of Andrés Rabadán* (*Les dues vides d'Andrés Rabadán*) (best supporting actor, best supporting actress and best lead actor).
- **Xavi Giménez**, recipient of the Goya for best cinematography for the film *Agora*.
- **Edmon Roch** recipient of the Gaudí and the Goya awards for best documentary film for *Garbo, the Man Who Saved the World*

(*Garbo, l'home que va salvar el món*), which also received the Gaudí for best screenplay.

- **Anna Caballé** and **Israel Rolón**, joint recipients of the Gaziel Prize for Biographies and Memoirs in 2009, awarded by the Count of Barcelona Foundation and RBA Publishing, for the book *Una mujer en fuga*, a biography of Carmen Laforet.

In addition, the Obra Cultural Balear of the Balearic Islands paid tribute to **Joan Veny**, professor emeritus of Catalan.

Tribute was paid to **Miguel Ángel Asenjo**, current technical director of the Hospital Clínic in Barcelona, during the most recent Spanish National Hospitals Conference organized by the Spanish Society of Healthcare Directors (SEDISA) and the National Association of Nursing Executives, in honour of his career as a lecturer in the UB's Department of Public Health.

The ICREA Academy program honoured eight members of UB teaching and research staff: **Josep Lluís Carrión Silvestre**, **Albert Escuer Fité**, **Raül Estévez Povedano**, **Jordi Garcia-Fernàndez**, **Francesc Illas**, **José Ignacio Latorre Sentís**, **Joan Sanmartí Grego** and **Marta Segarra Montaner**.

Fifteen UB students were honoured in the National Prizes for Excellence in University

“ The UB announces the first virtual museum of any university in Spain. It features 255 pieces across nine collections ranging from paintings to scientific instruments. The extensive cultural heritage of the University of Barcelona will soon be available to internet users around the world. ”

*Avui and El Punt*  
26 January 2010

Academic Performance during the academic year 2007-2008.

In the final of the sixth University Debate League of the Vives Network on 30 April, the UB medical student **Marc Grifell Guàrdia** received the jury's prize for best orator in the competition, while the **University of Barcelona** received the prize for best team voted on by the participants themselves.

In addition, during the academic year 2009-2010, the University of Barcelona paid **tribute** to **Fausto García Hegardt**, chair in Biochemistry and Molecular Biology; **Antonio Cardesa**, chair of Anatomical Pathology, and **Montserrat Baucells** and **Montserrat Roura**, director and assistant director of Scientific and Technical Services.

As part of the UB's program of **institutional activities**, the official opening of the academic year 2009-2010 was celebrated. Carles Miralles, chair in Greek, gave the inaugural address: «Carles Riba and the University». One UB Medal was awarded posthumously to the writer **Baltasar Porcel**, while another UB Medal was awarded posthumously to **Jordi Sabater Pi**, specialist in the study of primates.

During the academic year 2009-2010, the UB's Historic Building continued offering **guided tours** to various bodies and groups, including new students' families, associations and the general public, accompanied by visiting personages from the worlds of politics, culture and education.



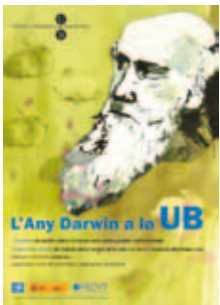
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2

1. Last lecture delivered by Joan Solà.

2. Homage to the late Jordi Sabater Pi.



In addition, a number of **exhibitions** appeared in the Historic Building, addressing topics and events such as evolution and the Year of Darwin at the UB, water issues, Sanskrit, «Heloise: *Perfundet Omnia Luce*», a sculpture show called «Food for Thought», «*Velorios y santos vivos*», the history of the Food and Nutrition Torribera Campus, the Batekmila exhibition on Basque culture, «*Raimundus Christianus Arabicus*» on Ramon Llull and the meeting of cultures, and a sculpture show prepared for the 56th International Congress of Assyriology and Near Eastern Archeology called «Le temps retrouvé».



The **22nd Concert Cycle** featured nineteen concerts, hosting performances by leading artists as well as visiting orchestras and choruses from a variety of European universities. The **Christmas concerts** presented Rossini's *Petite Messe Solennelle*, performed by the UB's orchestra and Schola Cantorum, with Contrapunto Vocale. The cycle closed with a performance of the opera *Gianni Schicchi* by Puccini, given in cooperation with the conservatory of the Liceu. In addition, a concert was given in tribute to P. Tchaikovsky as part of the lecture series on Russian music.

Other **cultural activities** included the theatre festival **Classics in the Garden** and the **Film Cycle** on new creators of Cinema, while the Year of Kurosawa took place in cooperation with Asia House and the UB's Film-History Research Centre at the Barcelona Science Park. In addition, the UB hosted its sixteenth **Conference on Poetry and Interracial Culture**.

**Courses for Senior Citizens** (AUGG) brought together nearly 4,000 students between 60 and 100 years of age, offering lectures in history and seminars in art history, music history and the history of Spanish literature. The history lecture cycle attracted a total of 250 students.

Work continued in preparation for the implementation of the **University of Experience** in the upcoming academic year, offering everyone over 55 years of age a comprehensive set of university programs of one or more academic years in length. Students will be able to acquire a level of education recognized by the University of Barcelona.

Our  
commitment  
to sport

182

medals won by UB  
competitors in the  
university championships

**UB Sports** carried out a series of activities aimed at promoting physical activity and sport among students at the UB, including a new membership type, an updated web page for members and the addition of artificial grass to the old cinder football pitch.

At the Spanish university games, UB competitors won 37 medals in addition to the 145 medals which they won in the championships of Catalonia. Our ongoing financial assistance program for high-level sportspeople assisted 127 students and 90 professors.

The UB **Solidarity Foundation** focuses its work on cooperation development and the promotion of human rights and the culture of peace. It provides advice and assessment services and collaborates in specific projects that draw on the involvement of members of the university community. Projects include water management and improvements to local governability in Morocco, rural development and efforts to build lasting peace in Colombia, and preservation of cultural heritage in Senegal. Joint work continues in the area of human rights research, dissemination and protection in collaboration with the University of Oran in Algeria and the Pontificia Universidad Javeriana of Cali, Colombia. Also, the UB signed a cooperation agreement with the National University of Vietnam. In the area of building peace and protecting human rights, the UB Solidarity Observatory

continued to promote the Paula program and it hosted the program of autumn solidarity events entitled *Tardor Solidària* to build awareness in its areas of focus.





«Universities are platforms for learning how to participate. If we want to create a critically aware society marked by participation and involvement, we can't forget this platform. It seems to me, therefore, that one of the future challenges of teaching is to stimulate student participation.»

Ana Ayuste,  
lecturer in the  
Faculty of Education

## Student services



### Student information and orientation

The **Student Support Service (SAE)** provides specialized, one-to-one attention to all UB students, including prospective students and graduates. The service provides information, advice, assessment, support and help to students while studying at the UB and in the job placement process. It also aims to strengthen the sense of belonging among former students, ensure that all students and graduates can gain an understanding of the general outlines of university policy, and provide support to the professors coordinating the tutorial action plans.



During the academic year 2009-2010, the UB engaged in information and orientation activities aimed at prospective and incoming students. These involved attendance at fairs and special events organized at secondary schools and UB faculties and schools, as well as other specific activities. The UB had representation at **educational fairs** such as *Ensenyament*, *Futura*, and the events at Valls, Pamplona and Madrid. **Open-house Days** attracted secondary-school students to activities organized by UB departments; participation was up 29% compared to the previous year. In collaboration with the SAE, UB centres and services designed activities to give information on their degree courses. In addition, **informational materials** were produced on the degree courses and services available.

To promote the Food and Nutrition Torribera Campus, the UB held the first edition of the **Ferran Adrià-UB Prize** for the best research project from secondary-school students in their final year of subjects in the food sciences, nutrition, cooking and gastronomy. The aim of the prize is to promote research projects that treat food and nutrition as central topics and relate the various subjects to daily life. Submissions from secondary schools in Catalonia numbered 25.

In relation to the **Welcome program for incoming students**, the faculties and schools organized information sessions on UB degree programs and services, sending an email to all students that earned a place as well as welcome material describing the services on offer.







A university focused on people

For students who are older than 25, the Faculty of Library and Information Science organized the course «Beyond Google: search tools».

In addition, the **accommodation program** collaborated with the *Viure i Conviure* program of the Caixa Catalunya, a homeshare program in which UB's student participation outnumbers all other Spanish universities. The web site continued to expand, increasing the number of residences, estate agencies and accommodation-related portals that can meet the needs of UB students.

A new, clearer and more functional web page sets out **special offer** programs for students. Currently, UB students can benefit from special offers and discounts from 55 companies.

As a result of an agreement between the UB and **Projecte Home**, two courses were designed with different target groups in mind: «What If my student takes drugs?» was for secondary-school teachers, and «Social Integration in the Twenty-First Century» was for UB students. Participation stood at almost 100 teachers and over 180 students, respectively.





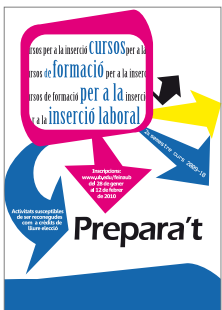
«We've managed to create a virtuous circle: the University of Barcelona gives support to the alumni and the alumni give support back to the institution.»

**Gonzalo Bernardos,**  
Vice-Rector for Financial Resources



### Information and documentation

Students can use the **student portal MÓNUB** to gain access to a wide range of online applications such as electronic mail, self-enrolment, transcript access, grant applications, validations, free-elective preregistration, and other information and services of interest to students. MÓNUB now includes pre-enrolment for all teaching disciplines.



Students can use the **student information line** to manage information requests about the UB's academic courses and services on offer, taking advantage of the various channels at their disposal (face-to-face, electronic mail, telephone assistance). During the academic year 2009-2010, the service responded to 46,370 queries.

The **self-help resources room** of the Student Support Service provides document support for vocational and professional activities undertaken by SAE. During the academic year 2009-2010, the collection has added 39 documents bringing together monographs, company databases and specialized journal subscriptions.

### Career advice

The **Feina UB** program provides career counselling and advice for students in four main areas: **connecting businesses, students and graduates** through a new application that manages vacant and sought positions across all faculties, **career days, organization of the day on «How to find work in the Public Administration»** and the job club **Club de Feina**.

The UB engages in **organized activities with companies**, such as job fairs in various faculties and schools of the university. At the job fairs, students and graduates can talk with companies and institutions, learn more about their career opportunities, and see at close hand the economic sectors to which they may become professionally linked.





«Studying Medicine was a personal challenge. With my wheelchair and my disability, it was also a challenge for the Faculty. But working together, the Faculty and I, got help from Fem Via. So we were able to find more than just problems; we could find solutions that helped me pursue my degree.»

**Sergio Garrote,**  
medical student



### The UB unit Integration programs

The UB unit Integration Programs offers assistance and support to UB students with special needs, aiming to provide equality of opportunity to the entire student body.



**Technical assistance** includes: sign-language interpreting, guide/interpreter for a person with vision and hearing problems, acquisition of digital recorders to offer on loan, acquisition of FM devices to offer on loan, and acquisition of a digital camera to document access issues.



With respect to other **services and institutions**, the UB prepared numerous reports on students with special needs and on the removal of architectural barriers. Assistance came from the Agency for the Administration of University and Research Grants (AGAUR). Work also continued with the Adecco Foundation within the framework of the collaboration agreement that facilitates entry into the job market for students with some kind of disability. Additional collaboration with companies and institutions included: ONCE Foundation, Sifu, Prevent and Ecom; the aim was to offer our students a range of job opportunities for individuals with special needs.

## Alumni<sup>UB</sup>

UNIVERSITAT DE BARCELONA

### Antics UB – UB Alumni Agency

The UB's alumni association **Antics UB** continued to expand its membership, reaching 4,000 members by February 2010.

In March, all the tasks of the alumni association started to pass to the newly created UB Alumni Agency.

The creation of the **UB Alumni Agency** responds to a broad rethinking of the university-society and university-alumni relationships seeking to establish a permanent tie that can strengthen the feeling of belonging to a prestigious community.

The main objectives of the Agency are: to strengthen the feeling of belonging to the community of the University of Barcelona; to foster professional contact and networking among alumni; to generate resources for the university; to communicate to society at large the advances and improvements contributed by alumni; to provide alumni with informational and training activities about the UB; to reach agreements with institutions and companies offering services with special terms for alumni, and to manage services, particularly the professional job bank targeted at UB alumni. The agency is made up of five groups with common interests: the Humanities Circle, the Entrepreneur Club, the Finance Club, the Sports Forum and the Health Sciences Club.



«At this time, we need to stimulate the economy to create jobs for the future. That puts a burden on us to raise the level of educational achievement in the public at large, opening the university up to diverse groups and making a commitment to the idea of lifelong learning.»

**Ana Ayuste,**  
lecturer in the  
Faculty of Education

3

# University at the forefront of education

Academic course offering  
Additional academic opportunities  
Support services for teaching





## Academic course offering

This year saw the design and approval of 15 new **EHEA bachelor's degree courses**, which were verified by ANECA (the Spanish National Agency for Quality Assessment and Accreditation) for inclusion in the UB's course offering for the academic year 2010-2011, bringing the total to 64. That completes the map of EHEA bachelor's degrees for the UB. In addition, we worked on the definition and establishment of tools and an internal quality assurance system (SAIQU) for the new curricula, enabling us to measure performance and quality on a regular basis.

Throughout the creation of the EHEA, we have insisted on the need to improve the transparency, flexibility and comparability of European university degrees. The University of Barcelona is developing the means to respond to these needs by creating mechanisms and processes that extend from the

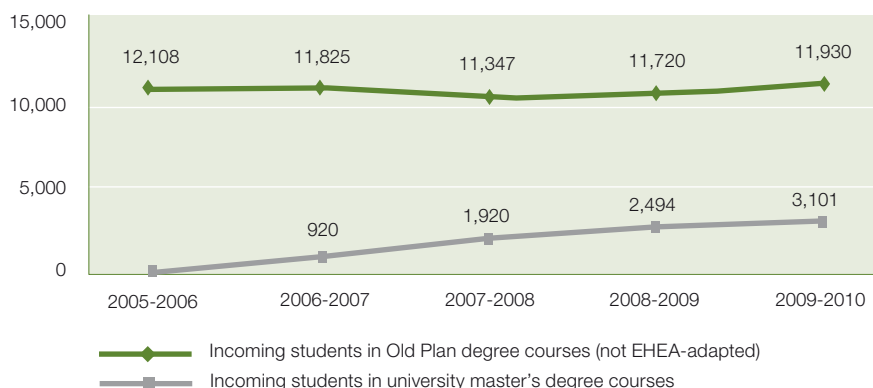
design and evaluation of degree courses to the accreditation of such courses.

In the area of **Old Plan degree courses not adapted to the EHEA and EHEA bachelor's degree courses**, the UB received 15,343 first-choice applications for 10,934 places during the academic year 2009-2010, putting the demand ratio for places at 1.40. The highest numbers of first-choice applications were received in Medicine (1,530), Psychology (1,059), Primary Education (1,150),

### EHEA bachelor's degree courses approved for the academic year 2010-2011

1. Archaeology
2. Audiovisual Communication
3. Biomedical Engineering
4. Business Administration and Management
5. Conservation-Restoration of Cultural Heritage
6. Design
7. Economics
8. Fine Arts
9. Food Science and Technology
10. French
11. Geological Engineering
12. Human Nutrition and Dietetics
13. Materials Engineering
14. Philosophy
15. Sociology

**New students enrolling in Old Plan degree courses not adapted to the EHEA and EHEA bachelor's degree courses and in university master's degree programs**



Education adapted to the EHEA

11,361

students in 49 EHEA bachelor's degree courses offered in 2009-2010 (including UB-affiliated centres)

Nursing (882), Early Childhood Education (847), Business Administration and Management (774), and Law (724). The total number of enrolled students stood at 48,790, including 11,930 new students and 10,717 in the EHEA bachelor's degree courses.

The implementation of 16 new **university master's degree courses** adapted to the requirements of the European Higher Education Area brought the total number to 130. Enrolment stood at 4,993 students, with an additional 176 at UB-affiliated centres. By numbers of students, the most popular courses were Teacher Training in Obligatory Secondary and Upper Secondary Education, Vocational Training and Languages (282) and Women, Gender and Citizenship (149). These numbers include 1,525 international students (29.5%), who come predominantly from Latin America and Italy.

The total number of students holding Old Plan degrees not adapted to the EHEA stood at 7,510, while the total number of students in university master's degrees courses reached 2,136.

During the academic year, proposals were approved to create 16 new university master's degree courses, bringing the number envisaged for the academic year 2010-2011 to 146.

#### University master's degrees approved for the academic year 2010-2011

1. Criminology, Criminal Justice Policy and Community Safety
2. Experimental Organic and Industrial Chemistry
3. Homogeneous Catalysis
4. International Relations
5. Music as an Interdisciplinary Art
6. Nuclear Physics
7. Nursing Care: Method and Application
8. Palliative Care
9. Photonics Engineering, Nanophotonics and Biophotonics (Erasmus Mundus)
10. Political Analysis and Institutional Assessment
11. Public Policy and International Development (Erasmus Mundus)
12. Rural Education and Development
13. Social Science of Development: Culture and Development in Africa
14. Teaching and Learning of Spanish in Multilingual and International Contexts (Erasmus Mundus)
15. Theory of Literature and Comparative Literature
16. Translational Medicine





Science quadrangle of the Historic Building

### Students in UB-specific master's degree courses, postgraduate diplomas and extension courses

Study area	Master's degree courses	Postgraduate diplomas	University extension courses
Arts and humanities	247	182	93
Social sciences and law	741	567	194
Experimental sciences and engineering	173	71	224
Health sciences	1,714	667	127
Education sciences	121	129	461
ICE	103	147	-
IL3	2,087	2,571	205
<b>Total</b>	<b>5,186</b>	<b>4,334</b>	<b>1,304</b>

The UB offered 148 **UB-specific postgraduate diplomas**, 20 **courses offering certificates of attainment** and 170 **UB-specific master's degree courses**, with 3,923, 411 and 5,186 students, respectively. The large presence of international students (17% of the total) provides an indication of the extent to which third-cycle studies are becoming increasingly international at the UB.

The UB's **university extension program** offered 71 courses with 1,304 students enrolled.



Faculty of Law



Our commitment to international reach **29.5%** of university master's degree students are visiting students

**International reach of the student body\***

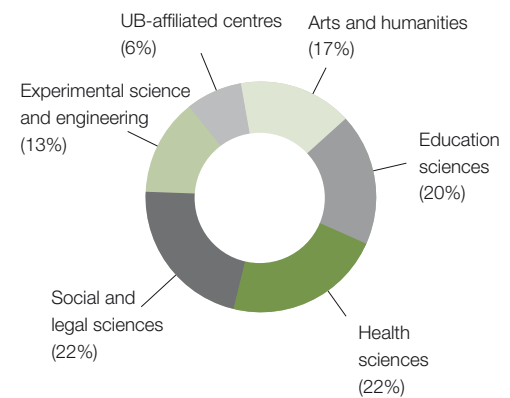
Studies	International students	% of total
Students in Old Plan degree courses not adapted to the EHEA	1,909	4.8
Students in EHEA bachelor's degree courses	783	6.5
Students in university master's degree courses	1,525	29.5
Students in doctoral programs	1,064	29.3
Students in UB-specific master's degree courses, postgraduate diplomas and extension courses	1,753	16.2
Master's degree courses	1,203 (23.2%)	
Postgraduate diploma courses	434 (10%)	
Extension courses	116 (8.9%)	
<b>Total</b>	<b>7,034</b>	<b>9.9</b>

\*This includes students in UB-affiliated centres, ICE and IL3.

**Grants and other financial aid**

The UB received and managed 12,671 applications for **grants** for **general** and **mobility** assistance for students to pursue Old Plan degree courses not adapted to the EHEA, EHEA bachelor's degree courses and university master's degree courses, and 6,983 awards were made. Total grant funding stood at 18,411,223.38 euros. Of this amount, 6,268,772.38 euros corresponded to tuition exemption, 1,962,715 euros went to general mobility assistance, and 1,087,329 euros provided special mobility assistance. The remaining sum of 9,092,407 euros assisted the purchase of books and helped to cover students' travel costs, accommodation and other expenses.

**Grant awards for Old Plan degree courses not adapted to the EHEA and EHEA bachelor's and university master's degree courses**



With respect to the 40% surcharge on fees applied to students who already hold a degree, the UB received 280 applications for **exemption from the surcharge** and 125 individuals received the exemption for a total of 34,303.47 euros.

In addition, the UB received 179 applications for **free tuition for unemployed students in university master's degree courses**, and 138 awards were made, totalling 223,606.71 euros. The UB also offered financial aid for **UB-specific master's degrees** to nearly 400 students for a total of approximately 1 million euros.

In addition, the Spanish Ministry of Education and Science (MEC) awarded 168 **department col-**

## Grants and other financial aid

Grants	Number	Amount (€)
General and mobility	6,983	18,411,223.38
Department collaboration	168	453,600
Seneca mobility grants for students	99	445,840
Collaboration with the UB	488	2,302,655

Other financial aid	Number
DRAC program	40
Mobility program	527
Specific exchange programs	80
The UB Els Juliols summer courses	115
Water Research Institute grants	29
Eurolife network grants	6

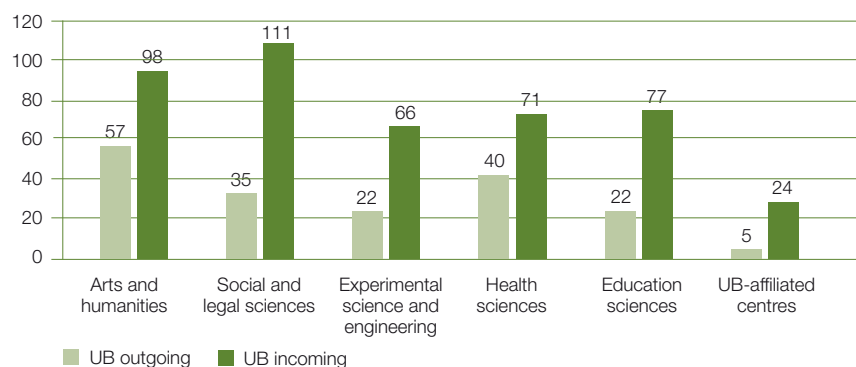
## International students on short stays at the UB

Exchange programs	Number of students
Erasmus	1,042
Erasmus Mundus	21
Erasmus Mundus. External Cooperation Windows	14
Coimbra Group	8
Bilateral agreements	89
Specific programs with the USA ( <i>Study Abroad</i> )	266
Individual applications	120

Grants	Number
MAEC-AECID	84
Carolina Foundation	16
<b>Total</b>	<b>1,660</b>

## Students in the SICUE national mobility program



**laboration grants**, representing 453,600 euros, while 488 **collaboration grants for services** and units amounted to 2,302,655 euros in funding. The **DRAC program** (Vives University Network) awarded 40 grants. The UB summer school, Els Juliols, awarded 115 grants.

The Spanish **financial assistance program for student mobility, Seneca**, awarded 99 grants totalling 445,840 euros. With respect to other **mobility programs**, 505 grants were awarded within the European Union, 22 for the rest of the world, and 80 for specific student exchanges. Also, for

the first time, 29 grants were awarded for individuals to attend learning or teaching activities related to the Water Research Institute, and 6 exchange grants were awarded in relation to the Eurolife university network for master's students in Biomedicine.

In the context of the **SICUE national mobility program**, the UB signed bilateral agreements with 47 Spanish universities and offered a total of 2,576 places. The University of Barcelona ranked second in Spain in participation and financial support for national mobility programs.

The UB welcomed a total of 1,660 visiting students on **short stays**: 1,560 took part in **international exchange** programs, while 100 received international exchange grants.

A total of 23 **mobility grants for students in university master's degree courses** provided 27,900 euros in financial assistance. The breakdown of recipients was Fundamental and Applied Ecology (5), Psychogerontology (7), History and Culture of Food (3), Artistic Creation: Realisms and Environments (7) and Psychosocial Intervention (1).



«In my view, lifelong learning in the workplace is fundamental, particularly with the new technologies that are everywhere in the university now.»

**Manel Montes Amigó,**  
member of administrative and service staff.  
Administration at the Faculty of Law

## Additional academic opportunities

During the academic year 2009-2010, the University of Barcelona's **Institute for Lifelong Learning (IL3)** created a department committed to innovation, pursuing a series of projects such as the IL3iLAB, which addresses methodological and technological challenges in the field of online learning for the ongoing improvement in program quality, as well as the implementation of a new webpage.

Eight programs focused on strengthening the professional aspects of students' work life through blended and online learning options, making intensive use of the IL3-UB's technology platform.

The Institute of Lifelong Learning organizes its relationships to the business world through its **Corporate Solutions** area. The principal lines of work in the area are: **competence development programs; joint projects** with the Barcelona Chamber of Commerce and the Barcelona Promotion Foundation (FBP); **innovative projects** to assist in the lifelong learning of professionals in the agrarian sector; the **production of distance learning content; training for commercial structures; international learning projects; trainee consulting projects**, including the selection process for internal trainers in Catalonia's civil service school; **comprehensive training management projects; personalization of virtual learning environments**, and **trainee international consulting projects**.

IL3-UB exercised its international reach through participation in projects funded by the European



IL3 headquarters

Commission: **Quality Assurance of Continuing Education Programmes (QACEP), European Manager for Export/Import (EMFEI) and European Quality System Indicators and Methodology on Organ Donation (ODEQUS)** (a project to improve the overall quality and safety of organ donation). IL3-UB is also involved in 6 proposals that have not yet been adjudicated, totalling 2,244,672 euros in costs with the projected funding support of 1,876,097 euros.

IL3-UB submitted several proposals to the Spanish Ministry of Industry, Tourism and Trade (MITyC) to design educational programs in the area of green ICTs, particularly in the field of energy efficiency and renewable energies, and in the area of cloud computing as part of the Advanced Education Plan.

«I think that what the University of Barcelona offers in the area of lifelong learning is fundamental to us, since it contributes so much to our day-to-day work.»

**Montserrat López Martos,**  
member of administrative and service staff.  
Administrator of the Faculty of Library and  
Information Science and the Sants Campus

The IL3-UB's **Department of Community Services** aims to create added value in the education of students and alumni and to be a leader in professional and personal development for all individuals in IL3. During the academic year 2009-2010, the program of activities included running the IL3Aula+ program, the professional development program (IL3 PDP) and IL3 Meeting, as well as creating new groups on the social networking sites Facebook and LinkedIn. In addition, the IL3 Virtual Campus moved from being a window onto the virtual classrooms of the campus to becoming a meeting space for virtual exchanges and an interactive environment with an average of 122,425 users a month.

The professional career service established 186 contacts with businesses and institutions. IL3 also collaborated with 783 businesses and signed 411 educational cooperation agreements through the professional work placement program.

Founded in 1953 and noted for the quality and rigour of its teaching, the **School of Modern**

**Languages (EIM)** offers foreign language instruction to the university community and to public and private institutions. Instruction is available through two types of courses: standard courses ranging from beginner to advanced level, and then special introductory, refresher or speaking skill-based courses, examination preparation courses and EAP language skills courses for specific university disciplines. Tailored programs are also available, bringing that recognized quality of EIM learning into the workplace within the context of the Council of Europe's Common European Framework of Reference for Languages (CEFR).

In the **Educational Programs** area, the school offered periodic courses in 13 languages during the academic year, including Arabic, Chinese, Dutch, English, French, German, Greek, Italian, Japanese, Norwegian, Persian, Portuguese and Swedish. For the year 2009-2010, the number of students stood at 4,204 (65% women, 35% men), while the number of teachers was 77 (53% women, 47% men). The number of level tests was 4,211.

### IL3 students

Type of course	Open courses			Corporate solutions		
	Students	Courses	Hours	Students	Courses	Hours
Face-to-face	2,579	132		1,247	108	
Blended	633	42		448	20	
Distance	17,495	308		6,133	118	
<b>Total</b>	<b>20,707</b>	<b>482</b>	<b>79,670</b>	<b>7,828</b>	<b>246</b>	<b>16,739</b>

Our commitment to language education

13

foreign languages taught in the School of Modern Languages



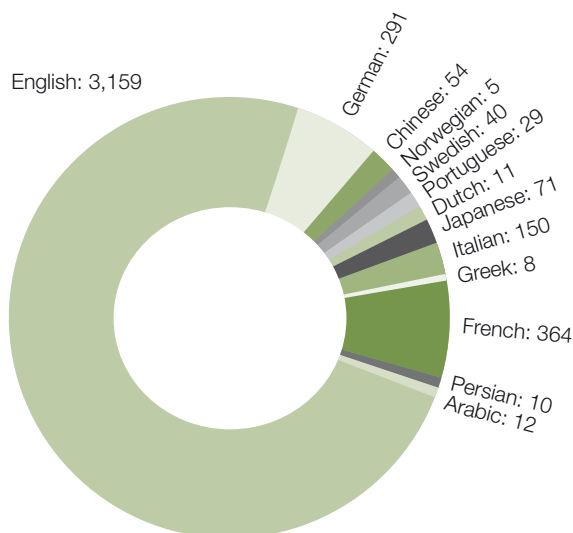
In the **Corporate Solutions** area, the school created a total of 82 courses specifically tailored to groups (33 for outside companies and 49 for members of the university community). The number of students stood at 757.

For nearly sixty years, the **Institute of Hispanic Studies** has been providing education in Spanish language and culture to visiting students. The institute organizes and delivers Spanish courses to students taking part in the Erasmus program or other bilateral agreements, running exams for the Diploma in Spanish as a Foreign Language (DELE) offered by the Cervantes Institute. The Institute also

designs, organizes and teaches courses for groups with specific needs or requirements.

During this academic year, enrolment in the Institute's course offering reached 2,544 students. Of these, 374 students were Erasmus participants, while 871 students took part in the 58th edition of the Course in Hispanic Studies, Language and Culture for Non-Spanish Speakers. A total of 14 intensive language courses attracted 423 students. Other courses on offer included Business Spanish, Conversational Spanish, Written Spanish and Spoken Spanish for Everyday Situations. Lastly, 319 candidates enrolled in DELE preparation courses.

**Students at the School of Modern Languages Education programs, 2009-2010**



**Catalan language learning provided by the UB Language Services (SL)** took the form of 193 courses attended by 2,689 students, including year-long, one-term and intensive summer courses at the CEFR levels A1, A2, B1, B2, C1 and C2. Successful students can receive recognized official certificates from the Catalan government (Generalitat de Catalunya) as well as free-elective





credits. Catalan instruction is also available for teaching and research staff to prepare and sit a UB Catalan language examination which is officially equivalent to the Catalan government's Level C Examination. Administrative and service staff can attend specially designed courses; examinations are available as well. A total of 193 courses were offered in the year 2009-2010, attended by 2,689 students.

During the summer of 2010, the UB held the fourteenth annual summer program called **Els Juliols**,

which included the Women's Summer University at Cornellà. A total of 2,105 students enrolled in 53 summer courses led by 595 teachers.

The second year of the **UB International Summer School** offered international language courses (as part of the second Summer School on Management of Creativity in an Innovation Society, jointly organized with HEC Montreal). Participants numbered 118 students and 67 members of teaching and research staff.

#### Additional academic opportunities Students 2009-2010

School of Modern Languages	4,204
Hispanic Studies	2,544
Language Services	3,471



“As of next year, the complex of buildings around the historical country house of Torribera in Santa Coloma de Gramanet will be home to the University of Barcelona's degree studies in Nutrition —a move to improve facilities for a field of study that is steadily growing wider. [...] An area of approximately 12,000 sq m will provide laboratories for research, technology transfer and teaching activities.”

Avui

4 June 2010

## Support services for teaching

### CRAI – Libraries

#### Reserves

	Total	Acquisitions in 2009
Books*	1,649,786	66,180
Periodicals*	51,420	20,100
Databases	335	9
Other materials	96,294	7,147

#### Services

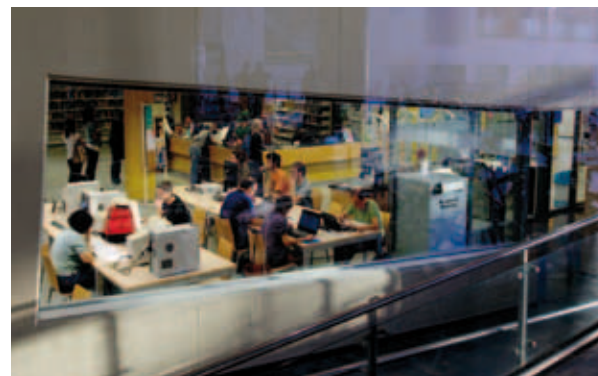
Library users	5,532,712
Loans	714,164
Inter-library loans (UB document request service)	
requests issued	8,360
requests received	23,818
Catalogue queries received	10,719,480
Online periodical queries received	620,188

#### Facilities

Total surface area (sq m)	38,711
Single-user reading desks	6,296
Computer terminals for public use**	798
Photocopy machines	35
Microform readers/printers	62

\* This includes paper and online formats added by acquisition or donation.

\*\* This includes laptop computers.



The **Learning and Research Resources Centre (CRAI)** spans twenty libraries and seven cross-university units that provide access to information resources and services and **collaborate in learning and knowledge creation**.

CRAI gives support to teaching and research staff in the management and provision of information resources and services that help them in their work. This includes advice in the creation of materials, publication of materials, copyright issues, the use of teaching platforms and tools, and **teaching innovation**.

This year CRAI began the process to design its **strategic plan** for the next four years (2010-2013). In addition, the **expansion of the digital library** continued with the addition of new collections to the cooperative repository the Memòria Digital de Catalunya (MDC) and the Cervantes Virtual Library, with whom the UB has signed a collabora-



tion agreement. The **consolidation of a library 2.0 model** added nine blogs in the UB domain, the use of the Delicious social network with subject resources, and participation in the YouTube video channel and in other networks such as Facebook, Twitter and Netvibes. Finally, CRAI created a web page with handy tools for users.

CRAI also worked on a link between GREC and the UB's Digital Repository in order to consolidate the presence of **UB research results available by open access**, facilitating the work of teaching and research staff. Along the same lines, a research community was set up in the Repository and the research support portal was redesigned to give **greater visibility to research services** offered by CRAI. During this period, the number of users of the RefWorks bibliographic management system rose sharply by 692 to 4,023, and **teaching materials** were prepared in response to 1,752 requests.

In addition, the libraries opened new welcome desks for incoming students and began to involve CRAI trainers in formal subjects to provide students with information science skills. To **improve the learning process**, the UB consolidated the Virtual Campus and improved its interface with the online catalogue.

Resources from the excellent reserves of the UB libraries also appeared in more than 25 internal and external **exhibitions and projects of interest**.



The University of Barcelona sees teaching quality as one of its primary objectives. The **Teaching Improvement and Innovation Program (PMID)**, overseen by the Office of the Vice-Rector for Teaching and Science Policy, is committed to continuous improvement in teaching, giving impetus and support to teaching innovation and activities that enable the exchange of teaching experiences.

To meet this aim, the UB gives financial support to **teaching innovation projects (PID)**. In 2009, 95 projects received a planned total of 100,000 euros to pursue teaching innovation. A total of 569 members of the teaching staff are involved in these innovation projects.

With respect to **innovation groups**, 50 consolidated teaching innovation groups received accreditation, while 36 teaching innovation groups achieved recognition (6 of them are new). A specific call for funding allocated to consolidated teaching innovation groups took place.

The UB's **Institute of Education Sciences (ICE)**, founded in 1969, provides academic and cultural training to individuals who undertake educational tasks. The Institute performs this service through encouragement, constant guidance, and an analysis of the work of the university, in order to improve performance. The ICE analyses the training needs of teaching staff and devises proposals in response to this analysis, promotes and fosters



«Our function has become more complex, but also richer and more creative. We have to rethink what teaching is and find new methods, methods which are more flexible and more active, in which the teacher is not always the central figure.»

**Ana Ayuste,**  
lecturer in the Faculty  
of Education



Mundet  
Campus-University  
of Barcelona



educational innovation, provides guidance and advice on research, coordinates its own research activities, provides consultancy services, publishes materials and disseminates good practices, and creates training materials in various media. Enrolled students numbered 10,708 (63.5% women) attending courses taught by 432 educators.

### ICE activities

Training and education	Students enrolled
Lifelong learning for teachers in early childhood, primary and secondary education, vocational education, and social and community learning	5,895
Training of university teaching staff	4,379
Standardization of Catalan	154
Postgraduate courses and master's degree courses	280
Total	10,708

In the area of **teaching assessment**, for the first time an **online student questionnaire** went out to the student body on subject content and teaching methodology in EHEA bachelor's degree and university master's degree courses. Across the different modules and semesters, a total of 56,536 individual questionnaires were collected, representing a response rate of 22%.

Students were also asked to fill in an **opinion survey** on Old Plan degree courses not adapted to the EHEA. This survey was given to 3,721 student groups and achieved a response rate of 38.2%, involving the processing of 94,443 individual questionnaires.

This year also marked the seventh formal **assessment of teaching activity** at the UB, with the participation of 72% of tenured UB lecturers in assessment procedures, of which 97.3% were favourable.



«The greatest strength of the University of Barcelona in research and knowledge transfer is, without doubt, the wide diversity of our research centres and the subjects we tackle.»

**Joan Bosch,**  
university professor  
in the Faculty of Pharmacy  
and director of the research  
centre Sintefarma

4

# A university leader in research

Research

Technology, knowledge  
and innovation transfer

Doctoral studies



“ The Spanish government, after consultation with an international committee of experts, awarded the designation «campus of excellence» to a new group of institutions of higher learning yesterday. The UB and the UPC, together with the Technical University of Madrid, are the only institutions to have received the prestigious recognition twice. In 2010, the UB’s application focused on its strength in the area of health sciences.”

*El Periódico de Catalunya*  
22 October 2010

## Research

**B:KC** Barcelona Knowledge Campus



The University of Barcelona is the leading research university in Spain, based on **international rankings** such as the Academic Ranking of World Universities —known as the «Shanghai Ranking»— the World University Rankings published by *Times Higher Education* & *QS Quacquarelli Symonds*, and the Ibero-American Ranking SIR 2010 for scientific output.

This year, the UB was admitted to the prestigious **League of European Research Universities (LERU)**, an elite network founded in 2002 to focus on the quality of higher education in research-intensive institutions. The University of Barcelona becomes the first Spanish university selected as a member of this prestigious organization.

In 2009, the Spanish Ministry of Education launched a new program in pursuit of international campuses of excellences. The program aimed to promote increased quality in Spanish universities and to achieve excellence on the leading campuses, channelling the benefits of excellence to society at large. The UB and the UPC submitted the joint project the **Barcelona Knowledge Campus (BKC)**, which was the recipient of first-place honours among the five recognized institutions. In total, the BKC received from the Ministry of Education and the Ministry of Science and Innovation a budget of more than 25 million euros (UB 15.2 million), with 21 million euros on credit.



1



2

In 2010, the project **Health Universitat de Barcelona Campus (HUBc)** was recognized as an international campus of excellence, marking the second consecutive year for the UB. The two ministries responsible allocated a budget of 13.5 million euros, with 13 million euros on credit.

1. Work meeting of the League of European Research Universities (LERU).

2. Institutional visit to the Barcelona Knowledge Campus (BKC).



3

The HUBc represents a comprehensive model that draws together all the actors needed to achieve its primary goal: improving health. In this respect, it aims to become a driving force in teaching, scientific research, social action and business-related efforts in the area of health sciences. The project includes the complete cycle of education, research, primary health care and transfer to the healthcare sector. It also balances a clear international focus with a strong desire to make an impact locally.

In addition, the 2010 call for international campuses of excellences and INNOCAMPUS recognized the value of the BKC by increasing its allocated budget by 18.2 million euros (11.3 million euros to the UB).

The main strength of the UB's research lies in its people. Of the total 6,426 individuals involved in UB research, 4,584 are researchers and grantholders, while 664 are technicians and 1,178 are assistants (data from INE R+D statistics). They take a direct part in consolidated, project-specific and emerging research groups recently recognized by the Catalan government and in activities related to these.

Under the **Strategic Research Plan**, the UB created additional research institutes and centres to strengthen the interdisciplinary focus and coordinate the research of groups whose work is related.

At present, the University has 11 research institutes adapted to the new regulations, 2 university insti-



4



5

tutes, 10 research centres, 9 observatories and 3 documentation centres. In addition, the UB participates with other institutions in 13 more institutes and centres and in 2 interuniversity institutes.

3. Food and Nutrition Torribera Campus.

4. Barcelona Hospital Clínic.

5. Bellvitge University Hospital.

“ The journal *Archaeology*, a periodical of the Archaeological Institute of America, published an article in its April 2009 issue called «Trash Talk», looking at excavations at Monte Testaccio. The co-director of the excavations is José Remesal, university professor in the UB's Department of Prehistory, Ancient History and Archaeology. ”

### UB-specific research institutes and centres

- Centre for Primate Research (CERP)
- Centre for Research on Biodiversity in Terrestrial Mammals (CRBMT)
- Centre for Research on Citizenship and Civil Society (CISC)
- Centre for Research on Drug Development (CRDM)
- Centre for Research on Fiscal Federalism and Regional Economics (CRFFER)
- Centre for Research on Theories and Practices for Overcoming Inequalities (CREA)
- Centre for Research on Welfare Economics (CREB)
- Duoda Centre for Research on Women
- Geomodels Research Institute
- Institute for Research on Applied Regional and Public Economics (IREA)
- Institute for Research on Biodiversity (IRBio)
- Institute for Research on the Brain, Cognition and Behaviour (IR3C)
- Institute for Research on Medieval Cultures (IRCUM)
- Institute for Research on Nutrition and Food Safety (INSA-UB)
- Institute of Ancient Middle East Studies (IPOA)
- Institute of Biomedicine (IBUB)
- Institute of Cosmos Sciences (ICCUB)
- Institute of Mathematics (IMUB)
- Institute of Nanoscience and Nanotechnology (IN2UB)
- Institute of Public Law (IDP)
- Institute of Theoretical and Computational Chemistry (IQTcUB)
- Polis Centre for Research on Environmental Intervention: Art and Society (CR POLIS)
- Water Research Institute



1



2

The UB invites applications for special funding of research projects in the social and human sciences that are not ready to compete for general funding. The UB also supports initial work in research projects that have received a positive scientific assessment, but have failed to secure funding. The UB received a total of 11 applications of these kinds and awarded 9 grants.

1. Inauguration of the Barcelona Global Health Institute (ISGLOBAL).

2. Inauguration of the Institute of Cosmos Science (ICCUB).

Our research strength

243

consolidated research groups

In addition, the UB held a call for financial assistance to replace obsolete scientific and technological equipment. A total of 56 awards amounted to 671,120 euros allocated for this purpose.

As part of the national pact for research and innovation (PNRI) and the new research and innovation plan, the competitive call for financial assistance in 2009 attracted applications from 243 consolidated **research groups**, 22 emerging research groups and 14 project-specific groups, in addition to 33 groups managed by IDIBAPS and 10 by IDIBELL. The total funding allocated stood at 8,088,380 euros.



With the respect to the **scientific output of UB researchers**, the international databases of the Institute for Scientific Information recorded 3,679 collaborative publications. Of this total, 3,167 figured in the Science Citation Index Expanded (SCI), 412 appeared in the Social Sciences Citation Index (SSCI) and 100 featured in the Arts & Humanities Citation Index (A&HCI).

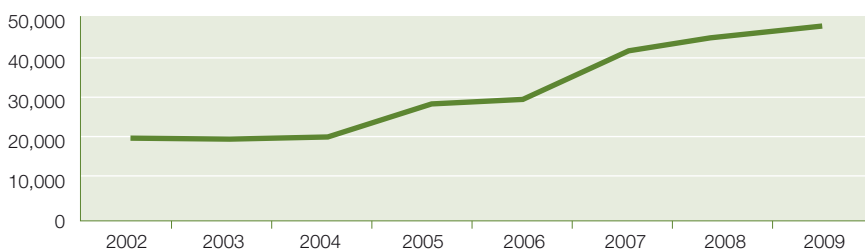
In 2009, **income from research activity** stood at 47,026,731 euros from a total of 364 projects. This includes national and European projects, infrastructure and other projects. Of special note are eight projects with the ICREA Academy program aimed at creating financial and other incentives for research excellence in the public universities of Catalonia. The eight projects are worth 2 million euros and join the ten projects from the previous year.

The total number of **signed agreements** stood at 368, while the income from research-related

#### Income from research activity

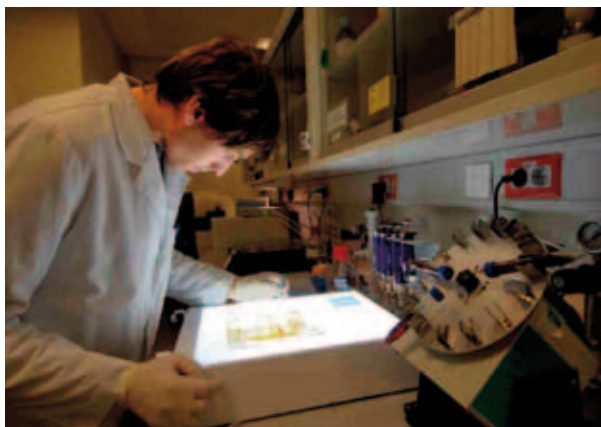
	Projects	Amount
Projects and special activities	349	35,906,591
Infrastructure	15	1,605,323
Funding		9,514,817
<b>Total</b>	<b>364</b>	<b>47,026,731</b>

#### Income from research activity (thousand of euros)



“ The *Journal of the American Chemical Society* (JACS) published a cover article demonstrating how nanoparticles formed of a few silver atoms can prevent cellular damage caused by ethanol. The research behind the article was led by researchers at the University of Barcelona. ”

*Diari de Girona*  
27 May 2010



agreements, which numbered 166, stood at 6,851,689.39 euros.

**International Research Projects (OPIR)** is responsible for promoting and supporting submissions and project management for international projects. During the year, the UB signed 21 projects under the European Commission's Seventh Framework Programme for research and technological development (FP7), totalling 8,408,920 euros, focusing on the following thematic priorities (second layer break down of FP7): Information and Communication Technologies; Joint Technology Initiative, Nanosciences, Nanotechnologies, Nanomaterials and new production technologies; Food, Agriculture and Fisheries, Biotechnology; Environment (including climate change); European Research Council's Ideas program; the Marie Curie People-Actions program; Health; and Energy.

In addition, the UB took an active role in European networks addressing specific topics and in consortia with other universities. Examples include Eurolife, which is a network that brings together seven prestigious European universities in the life sciences; the International Research Universities Network (IRUN), which has nine members, and the League of European Research Universities (LERU), in which the UB is the first and only Spanish university selected for membership.

The **Barcelona Science Park (PCB)** is a powerful engine for research activities, seeking to drive high-quality research, build and strengthen relationships between the UB and the business world, and spur the creation of new companies and institutes. The PCB is home to more than 2,200 professionals, over 50 private firms, 16 public bodies and research institutes, 13 associated bodies, an incubator for biotech companies, over 80 research groups and a wide range of technology services that can support research. The PCB also organizes activities to promote scientific culture and careers in science. During 2009, attendance at these activities stood at nearly 6,000.

Currently, in the area of **building and renovation**, Phase 2 is under way, adding nearly 50,000 sq m to the UB. During the year, work came to a conclusion on the Cluster Building, the Services Building and the Energy Building.

The R&D&I Towers form a complex of nearly 13,000 sq m designed to host interdisciplinary research



Our research  
and technology  
transfer

108,679,504  
euros in income generated by UB Group in research and technology transfer



**UB Group income from research and technology transfer**

Research projects*	76,714,627.92
UB	35,906,590.72
IREC	178,448.63
IDIBAPS	22,111,546
IDIBELL	8,637,518.39
IBEC	2,102,660.52
IRB	6,832,774.66
PCB	945,089
FBG contracts	15,128,708.29
Infrastructure	1,605,323
Other funding	9,514,817
UB agreements	3,750,314.94
FBG agreements	1,965,712.98
<b>TOTAL</b>	<b>108,679,504.13</b>

\*Includes the University of Barcelona, The Catalonia Institute for Energy Research (IREC), the August Pi i Sunyer Biomedical Research Institute (IDIBAPS), the Bellvitge Institute for Biomedical Research (IDIBELL), the Institute for Bioengineering of Catalonia (IBEC), the Institute for Research in Biomedicine (IRB) and the Barcelona Science Park (PCB).

activities and tasks linked to the offices of groups, businesses and internal units of the Barcelona Science Park. At the end of 2009, nearly all of the available space was filled. The opening of these buildings enabled the UB to prepare new facilities for the National Centre for Genome Analysis, which occupies an area of approximately 1,200 sq m.



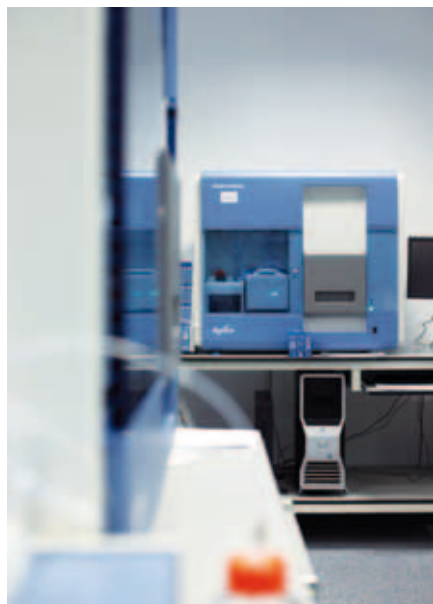
Modifications and improvements include the expansion of labs in existing buildings to ready them for the addition of new research groups in space freed up by clients. Approximately 10% of the PCB's laboratory space underwent change and improvement in 2009.

In the **research area**, the PCB is consolidating its **technology offering**. The PCB offers a wide range of techniques, scientific services and technology platforms. Several institutions manage the available technology, which is aimed at providing support to PCB researchers and to other organizations and businesses.



«In the last 10 or 15 years, we have really begun to see interest in basic research so that knowledge created in the university doesn't only stay in the university but can also become useful for industry, society and so on.»

**Joan Bosch,**  
university professor  
in the Faculty of Pharmacy  
and director of the research  
centre Sintefarma



collaboration agreement between the Spanish government, the Catalan government and the Barcelona Science Park Foundation. The aim of the new entity is to address the growing demand for mass sequencing in international genome projects, ensuring Spanish participation in the International Cancer Genome Consortium (ICGC) and guaranteeing the competitiveness of Spain in the strategic genomic area and in other sectors of economic importance, such as biomedicine, agriculture and food biotechnology, renewable energies and environmental bioengineering.

The CNAG has space in Tower 1 and is set to become the second most significant centre in Europe by the end of 2010 when all planned acquisitions of equipment are complete.

**cnag**

centre nacional d'anàlisi genòmica  
centro nacional de análisis genómico

The PCB has powerful infrastructure related to the fields of biomedicine, biotechnology, nanobioengineering and pharmaceutical chemicals.

Specifically, the PCB's technology offering at the end of 2009 occupied a total of 1,722 sq m. This includes 9 technology platforms, which offer high-quality technology resources accompanied by high-quality scientific know-how, and 1,640 sq m of scientific support services, which encompass basic centralized facilities and equipment to support research in the laboratories.

In addition, the creation of the **National Centre for Genome Analysis (CNAG)** is the result of a

Aside from this landmark scientific project, the Barcelona Science Park continued to provide a management service for research projects, offering funding information and helping public institutions and private entities with applications for funding. As a result of this service, a total of eighteen new projects secured funding, and four of them were European projects.

In the **innovation area**, the **PCB-Santander Bioincubator** stood at third place in the category of «Investment performance» in the international rankings of incubators *Best Practices in Science Based Incubators 2009*, which is coordinated by the Technopolicy Network. The network is made



Barcelona Science Park (PCB)

up of a multidisciplinary team of experts and professionals from different teams, and the aim of the network is to promote regional scientific development. In 2009, more than fifty projects sought recognition as the best scientific incubator.

The **BKC project** was a joint effort bringing the UB and the UPC together as complementary institutions in some cases and respective leaders in certain, specific areas of education, research and knowledge transfer. The Barcelona Science Park, affiliated to the UB, and the Research and Innovation Park, affiliated to the UPC, were key pieces in the overall project. This is because they promote a strategic R&D&I cluster in the Barcelona Knowledge Campus, attracting researchers from around the world. PCB projects included in the BKC were Chembiobank, PRAAL, the PCB Bioincubator and a program to host international companies and all of these projects received funding in 2009 and 2010.

In the innovation area, the **Red Emprendia** established an action plan through the end of 2010 involving the twelve participating universities and Santander Bank. In addition, the PCB organized the first year of a program on drug development in collaboration with the Toulouse Campus Cancer (Canceropôle) of France. The aim was to give doctoral and postdoctoral students and researchers a closer look at the various aspects of the process from an initial idea to a finished drug in the pharmaceutical and biotechnology sectors.

In the **diffusion area**, the PCB continues to develop innovative channels of communication to share current research and contribute to the increase in scientific culture in society at large, fostering informed social debate on research topics and encouraging scientific careers, particularly in the field of life sciences.

In this respect, a total of 5,742 participants attended diffusion activities. Also, the FBG introduced new tools for disseminating research, such as two new portals at the European level, which expand the Research in Society program through online participation in order to meet the current high demand and widen the reach of the program geographically.

**Scientific communication** regarding the PCB and the PCB's institutional project make use of mainstream media, the corporate web page and





Barcelona Science Park (PCB)



Solar panels of the Faculties of Physics and of Chemistry

various communication activities. The most notable addition this year was the PCB's online publication, PCB.info, which began to appear in November 2009. The project grew out of a desire to develop a shared point of reference for the entire community working in the R&D&I sector, creating an effective news platform on activity at the PCB and its hosted organizations and offering a daily and free information service targeted at institutions, entities and businesses working in field of scientific research and technological and business-related innovation.

Another key element in the research area is the UB's **Scientific and Technical Services (SCT)**, a unit that offers specialized scientific and technological services and highly qualified staff who can provide scientific and technological support to projects conducted by UB research groups and research groups affiliated to other public institutions. SCT also provides services to meet the R+D needs and technology consulting of private firms. Since 2005, SCT has had ISO 9001 certification, a recognition that is the result of the shared effort of all SCT units and the unit responsible for quality assurance, which is now part of the UB's agency responsible for policy and quality.

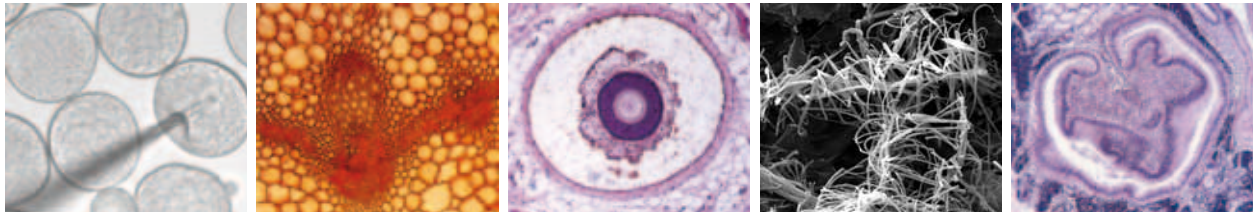
SCT's **technical units** currently number 29 and occupy 6,000 sq m on three campuses. They are located in buildings devoted solely to research, innovation and technology transfer and in more specific labs housed in the various faculties of the UB. SCT technical units specialize in the areas of

nuclear magnetic resonance (medium, high and ultra-high field), electronic and confocal microscopy and nanometric surface techniques, mass spectrometry, specialized support techniques in the life sciences, and a wide range of techniques in chemical, molecular and structural chemical analysis.

During 2009, Science and Technical Services continued to increase and consolidate user numbers, collaborating with nearly 1,200 **project leaders** in research groups affiliated with the UB or with other public institutions or private companies. Working with the project leaders were a number of team members registered as **authorized users**, who came to SCT facilities and worked independently or under the supervision of SCT technicians.

SCT worked with **442 research group leaders** from within the UB (from 53 different departments), **444** research group leaders from public institutions unrelated to the UB (61 with headquarters in Catalonia) and 294 users from 236 private companies (210 with headquarters in Catalonia). The trend of the past few years continued, with the majority of private enterprises being small or medium-sized companies (PIME), while 47 were large companies.

The percentage of companies returning to use SCT services after being clients in 2008 stood at 60.6%, which points to the strong customer loyalty built up over the period 2003-2009. The highest levels of work in 2009 came from the following sectors of the economy: pharmaceuticals, chemical products



for food, health-related laboratories and associated consulting, and emerging companies with a strong research and development component.

SCT income for projects and services provided in 2009 rose 8% over the previous year to 3.63 million euros (excluding VAT). The most frequently requested **techniques** for the year were: nuclear magnetic resonance (NMR), metal analysis, genome analysis, separation techniques, cytometry, electron transmission microscopy applied to the biosciences, gas chromatography/mass spectrometry, x-ray diffraction, confocal microscopy, polymorphism detection, calorimetry and electron trace microscopy.

During 2009, SCT consolidated the trend of increasing staff participation in **value-added** projects, solving analytic problems beyond the standard provision of services and adjusting new methodologies and protocols to do so. SCT increased its involvement from 37 projects of this type in 2007 to 67 in 2009. Most of the year's projects of this type involved 21 companies and 25 public bodies and drew on the contribution of technicians in the units dealing with NMR, gas chromatography/mass spectrometry, separation and nanometric techniques, molecular spectroscopy, x-ray diffraction, microprobes, cytometry, radiocarbon dating, electron microprobes, proteomic analysis, confocal microscopy and polymorphism detection.

Recognized nationally by the Spanish Ministry of Science and Innovation, the **project-specific SCT**

**facility (ICTS) for nuclear magnetic resonance** consolidated its grant program for researchers in 2009, giving them access to the unit's high-field NMR machines and acquiring and upgrading the equipment with cryoprobe couplings.

In 2009, SCT participated in a total of 84 external **educational activities** in an effect to share knowledge. In addition, 70 co-authored publications were indexed and 22 courses were organized or taught. SCT gave 140 tours to researchers from a variety of national and international universities, as well as to private companies.

SCT organized a series of educational activities to **spread information** to researchers about the applications of the newly installed equipment and the new services available.

SCT received **external recognition** with respect to the availability and good results obtained by the



## Scientific and Technical Services (SCT)

Staff	145
Value of scientific equipment	40.49
Surface area	6.491 sq m
External private companies	236
Users	1.180
Internal users (principal researchers)	442
Total income (thousand of euros)	3.64
External income (thousand of euros)	2.35

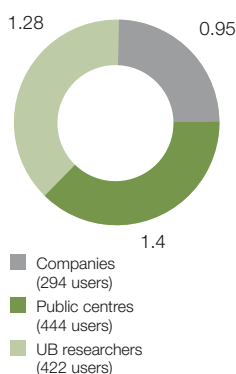


The **involvement of SCT technicians** in the development of new methodologies to contribute to the completion of research projects can be seen clearly in their participation as co-authors in **scientific publications**. Between 2005 and 2009, **SCT technical staff members figure as co-authors in nearly 320 international publications**.

During the academic year 2009-2010, the UB continued to pursue basic lines of experimentation and research involving **animal experimentation units (UEA)** at Bellvitge Campus, the Faculties of Biology, Pharmacy and Psychology, the Casanova medical facility and Sant Joan de Déu. In addition, the eighth annual training course on animal experimentation for research staff attracted 333 participants, who received accreditation from the Department of the Environment of the Catalan government. Income generated in 2009 from the provision of UEA services across the UB stood at 364,038 euros.

The **Radiological Protection Unit (UTPR)** gave scientific and technological support on the subject of radiological protection for research projects conducted by research groups and on equipment used in teaching, addressing the use of ionizing radiation commonly found in radioactive and radiodiagnostic facilities.

### SCT Income 2009 (millions of euros)



units handling metal analysis, separation techniques, the environment, gas chromatography/applied mass spectrometry, which has taken part in eight programs of interlaboratory assays to test the reliability and rigour of results of specially designed analyses. Participation involved different public and private centres with the objective of determining participant skill levels. The program is coordinated by the Agro-food Laboratory of Catalonia.

SCT also received a positive evaluation from the inspection conducted by the US **Food and Drug Administration (FDA)**. As a result of the inspection, which focused on activities related to the assays performed in the unit conducting nuclear magnetic resonance for a pharmaceutical company, SCT was recognized by the FDA as a contract laboratory for drug analysis. This recognition is a crucial requirement for any laboratory wishing to test pharmaceutical products for the US market, the final objective of the pharmaceutical companies that are typically SCT clients.

Finally, in compliance with the quality standards by which it is accredited and certified, SCT carried out a **user satisfaction survey**. For the first time, the process targeted all UB researchers leading research projects. An online questionnaire was sent to 399 researchers, the response rate was 25.6% and the overall mark was 8.42 out of 10.



Solar panels of the  
Faculties of Physics  
and of Chemistry

«In the twenty-first century, it's not enough to create knowledge. You need to get this knowledge to industry and, more broadly, to society.»

**Joan Bosch,**  
university professor  
in the Faculty of Pharmacy  
and director of the research  
centre Sintefarma

## Technology, knowledge and innovation transfer

In parallel with its traditional mission of teaching and research, the UB is also called upon to be an agent of economic and social development. This is its so-called **third mission**. Our goal is to facilitate the transfer of knowledge and results from R&D&I generated at the UB to the general public in order to contribute to economic competitiveness in business and to raise levels of social welfare.

The UB reorganized all bodies involved in technology and knowledge transfer in order to increase the effectiveness and agility of the system. The **Bosch i Gimpera Foundation (FBG)** is the UB body that contributes to achieving the UB's third mission. In this respect, it stands at the forefront of the development of new projects that can smoothly and quickly connect the UB to new social demands and realities. The FBG is the bridge between university, business and society, and it is responsible for transferring research results at the UB and UB Group bodies to society through knowledge, technology and innovation transfer. Examples include: research on contract, collaborative research, assessment and patent licensing, and the creation of knowledge-based companies.

Within **research projects and services**, the FBG engages in technology transfer in order to place the research potential of the UB at the disposition of public and private companies and institutions and society at large, addressing their technical

scientific requirements while promoting technological innovation and greater competitiveness.

In 2009, the FBG participated in a variety of **trade fairs and conferences** in the areas of agriculture and animal husbandry, water, construction, the environment, chemicals, materials, electronics and machinery. The FBG carried on with management of the following **research networks** for the Catalan government: the Reference Network on Food Technology (XaRTA); the Reference Network on Advanced Materials for Energy Research (XaRMAE); the Reference Net

Barcelona Science Park







Barcelona Science Park

### FBG contracts and agreements

	Number	Amount (thousand of euros)
Projects	504	15,485
European projects	37	15,425
Collaboration agreements	247	1,966
Program and service management	44	5,758
<b>Total</b>	<b>832</b>	<b>38,634</b>

design for the natural water purification plant (PlantDepur), created by Josep Cerdà, of the Department of Sculpture at the University of Barcelona, and the company Moix, through an agreement signed by FBG and with the support of ACC1Ó. The wastewater treatment system, based on the use of vegetation to purify the water, received first prize for innovation at the Girona industrial fair.

FBG researchers established **contracts and agreements** with the private sector and through Spanish or European public calls representing a total of 38,634,679.56 euros and 832 contracts. By sector, the work predominantly came from the pharmaceutical and fine chemicals sector, representing 30.70% of all projects and 36.66% of income.

In the area of **assessing and commercializing patents**, the FBG integrated its activities with the **Agency for Assessing and Marketing Research Results (AVCRI)** in 2009. The aim of the integration was to group the function of knowledge and innovation transfer in a single institution and benefit from the resulting synergies between the FBG and AVCRI, making the active support of UB researchers stronger and more agile in all aspects of knowledge and technology transfer.

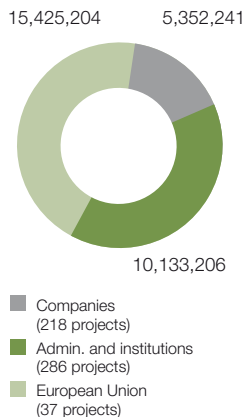
In 2010, the FBG consolidated the management of results-related transfer activities, creating a

work on Applied Economics (XREAP); the Reference Network on Economics and Public Policy (XREPP); and the Reference Network on Theoretical and Computational Chemistry (XRQTC).

Together with the Barcelona Chamber of Commerce, the FBG held the second edition of a **program to bolster innovation and enterprise**. The program's aim is to make businesses more competitive and spur growth through innovation. In addition, the FBG developed a strategic plan for the **Centre for Innovation and Advanced Technologies (CITA)**, a body that aims to bring together groups active in knowledge transfer to encourage collaboration, promote synergies and strengthen transfer to society. The FBG also coordinated 11 UB groups working under the **TECNIO** framework of the ACC1Ó agency of the Catalan government.

In the area of **research projects and services**, the FBG played a notable role in developing the

### Ampunt of the projects (FBG)



“ UB biologists have found a hormone that aids in burning fat. Scientists at the University of Barcelona [...] have opened a new avenue for the future treatment of obesity. The team of biologists at the Institute of Biomedicine, led by professor Jordi Villarroya, made the discovery, which appeared today in the most prestigious journal on metabolism *Cell Metabolism*. ”

*La Vanguardia*  
3 March 2010

unit responsible for valorization and licensing, while activities in support of entrepreneurship were moved to the FBG's area for business creation.

The new unit, **Valorization and Licensing**, takes on the former AVCRI's mission to identify, protect, assess, monetize and commercialize the UB's research results and the corresponding intellectual and industrial property rights. The aim is to bring the benefits of such discoveries to society, defend the public interest and achieve a good return on investment for the UB and its researchers.

**Transfer projects** occur when the results of research projects are original, can be protected,

and give rise to applications that respond to one of society's unmet needs. Together, these qualities give a project a high transfer potential. Below, the life cycle of a transfer project is shown in six stages:



A significant example is a treatment patented at the UB and now entering into tests with patients. The treatment, which was developed by researchers J. M. Argilés, S. Busquets and F. López and the English pharmaceutical company Acacia Pharma Ltd, is aimed at muscle wasting or cachexia associated with cancer. The development of the drug is at phase 2 when it is administered to patients to test for effectiveness, side effects and accurate dosage. Each phase of the development process grows more exacting. As a result, only approximately one out of every 5.000 drugs under study in laboratories reaches market.

The FBG gives **support to the initiatives of entrepreneurs**, particularly in the creation of new technology-based companies within the UB Group. The FBG does this through the

### FBG Valorization activity 2009

	Projects receiving funding	Amount (€)
UB-Santander Bank program for assessment projects	11	1,000,000
Public funding (ACC1Ó)	5	433,619

### FBG Transfer activity 2009

Proposals assessed	48
Patent applications	24
International patent extensions	17
Confidentiality agreements with companies	27
License agreements	5



Faculty of Pharmacy

### Business creation and entrepreneurship support 2009 - FBG

New companies created	5
Entrepreneurs' business start-up projects receiving advice	25
Business start-up ideas received	36
Companies added to PCB-Santander Bioincubator	5
Funding sought by companies receiving advice	Over 2 million euros

unit Business Creation. Together with the unit Valorization and Licensing, Business Creation is a member of the ACC1Ó network on value assessment.

In 2009, the FBG helped to set up five **new technology-based companies**. In addition, the FBG provided consulting and advice to 25 **business start-up projects** that applied for more than 2 million euros in funding and obtained nearly 700,000 euros. The FBG also provided **consulting** to biotech and pharmaceutical companies and performed thirteen **technology audits** for UB research groups to uncover commercial opportunities for marketing technologies. In addition, the FBG followed up **spin-offs** with UB share participation through the UB Group member Innovative and Scientific Culture (CIC-UB) and the FBG carried out a series of activities to support the **training and promotion of entrepreneurship**, jointly with the UB's Entrepreneurship Chair.

The **Patent Centre** conducts research, prepares documentation and performs dissemination and teaching activities in the field of **industrial and intellectual property**. It offers regular **training activities** in conjunction with the Spanish Office of Patents and Trademarks (OEPM), including conferences that provide updated information on patents, a course on patents and templates, and a practical course that prepares students for the European Qualifying Examination (EQE). Training is targeted primarily at technical staff and executives in private companies and public research bodies (universities around Spain, CSIC, etc.), as well as industrial property agents and lawyers.

The Patent Centre continued its collaboration with the FBG's area for valorization and licensing, contributing industrial and intellectual property experts to FBG projects and assisting in the drafting and processing of patent applications. In addition, the director of the Patent Centre acts as a UB representative in any appearances before the OEPM. The centre offered a public information and advice service on industrial and intellectual property by request of ACC1Ó. Queries largely came from small to medium-sized business and entrepreneurs.

«We examine our social reality and most of all, we learn to apply critical reasoning to this examination —one of the most important things the University gives us, together with the ability to learn.»

**Elena Lebedeva,**  
doctoral student  
of sociology

## Doctoral studies

During the academic year, the UB offered a total 68 of **doctoral programs**, all adapted to the European Higher Education Area (EHEA). Within this framework, doctoral students now complete a doctoral program comprising a training period which, in general terms, consists of the research pathway of one or more than one university master's degree course, and which is then followed by a research period (also referred to as 'doctoral studies'), meaning organized research culminating in the completion and defence of a doctoral thesis.

Enrolment in university master's degree courses stood at 2,113 students, including 109 in programs not yet adapted to the EHEA. Of the total, 31.6% were international students.

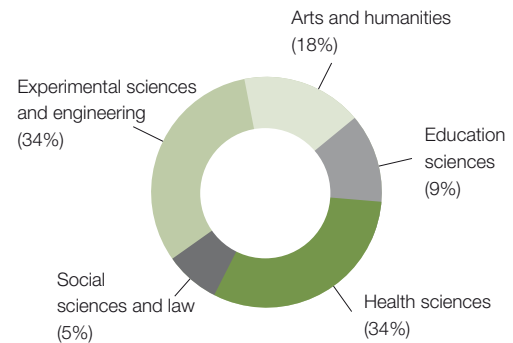
The number of students preparing their doctoral theses totalled 1,514. Of this number, 396 were international students.

The Quality Award in doctoral programs, which is evaluated by ANECA and bestowed by the Spanish Ministry of Education and Science, is given in recognition of quality in doctoral programs offered by Spanish universities. This year, no new edition of the award was convened. As a result, 43 UB programs maintain the Quality Award that they received in the prior year. Of the 43.30 are adapted to the EHEA.

The Ministry of Education and Science positively verified all the UB's doctoral programs regulated by the new EHEA-adapted guidelines.

The **number of doctoral** theses submitted during the academic year stood at 528.

### Doctoral theses submitted 2009-2010



The UB continued to promote online publication of doctoral theses (TDX) on a voluntary basis in support of open access, while requiring the completion of an abstract file for submission to the TESEO database.

The UB processed 469 **applications for doctoral qualifications**, while 80 students received the title «European Doctor». The number of special awards to doctoral students corresponding to the course 2008-2009 was 63.

Northern side of the Diagonal Gateway Campus



	Grants and contracts		Financial aid for short stays	
	Number*	Amount** (thousand of euros)	Number	Amount (thousand of euros)
For training university teachers (MEC) –FPU–	284	3,835	70	396
For training research staff (MICINN) –FPI–	259	3,643	81	513
For training research staff (GC) –FI–	196	3,227	-	-
For trainee research staff (UB) –APIF–	235	2,147	46	131
For training researchers (UB-specific program)***	6	54	-	-
<b>TOTAL</b>	<b>980</b>	<b>12,906</b>	<b>197</b>	<b>1,042</b>

\* This includes renewals of existing grants and contracts.

\*\* This excludes the total cost of enrolment.

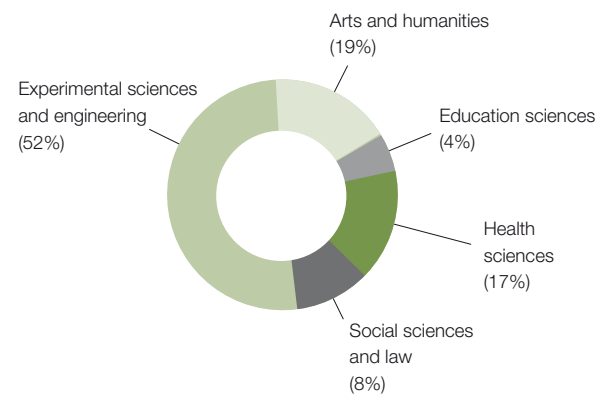
\*\*\* This includes grants from the UB-specific program, ADQUA and FI-G.

The distribution of **third-cycle grants** for the academic year is listed in the table below. Bodies giving grants included the Spanish Ministry of Education and Science (MEC), the Catalan government (GC) and the University of Barcelona (UB).

With respect to **mobility grants for students in doctoral programs recognized with the Quality Award**, the UB processed 10 applications and awarded 6 grants totalling approximately 32,040 euros.

In addition, the UB processed 28 applications for **financial assistance to obtain the title of «European Doctor»**. Of these, 24 students received financial assistance totalling approximately 118,400 euros.

Distribution of third-cycle grants by area and number of grants





«The UB's tradition and track record can open a lot of doors for you; people are familiar with the UB and the teaching staff enjoys international prestige.»

**Aleix Roig Mateu,**  
teacher specializing in physical education and student in the university master's degree course Physical Activity and Sport

5

# A university with international reach

International Institutional activity  
Mobility for students, teaching and  
research staff and administrative  
and service staff





## International Institutional activity

Today every institution dedicated to higher learning is working on programs and **plans for internationalization**. With the start of the twenty-first century, universities find themselves as leading social agents within a new social, cultural, economic and political framework. Internationalization is synonymous with quality, innovation, prestige and recognition, and it has been a key element in all recent university policies. In fact, the University of Barcelona's strategic plan establishes it as a central pillar in the university community.

The **international policy** of the University of Barcelona has two focuses, here at home and abroad. Here at home, the UB aims to make internationalization a factor driving innovation, particularly in the case of the UB's processes. Internationalization at home has three main aspects. First, it aims to give more visibility to international relationships in the university community. Second, it seeks to strengthen the language skills of the university community to enable participation in international research, education and mobility projects. Lastly, it aims at strengthening and diversifying the channels between our vice-rectors' offices and the UB's faculties, schools and departments.

Looking outward, our objectives have been to strengthen and expand the image of the University of Barcelona, building on the recent designation of the **Barcelona Knowledge Campus** as the first Campus of International Excellence in Spain. International promotion in the UB's shared project

plan with the UPC has secured leverage of current initiatives, particularly activities that foster and support exchanges for students, teaching and research staff (TRS) and administrative and service staff (AdSS), as well as teaching and research projects already underway. The UB has also encouraged contacts and active participation **in international networks**, which have served as platforms to launch projects and spread awareness of the UB and the UB's teaching and research activities.

The UB has taken part in international events, including conferences, seminars and other activities of an international character organized at the UB. As another way to reinforce the institutional aspect of this work, the UB has also welcomed visiting international delegations as well as international students coming to the UB to study. The UB manages mobility programs for students, TRS and AdSS through its administrative unit International Mobility and Programs, while development cooperation with developing countries is channelled through the UB Solidarity Foundation.

### Internationalization at home

The UB has undertaken a series of activities among the university community to strengthen the **visibility of internationalization at home**. For instance, the UB organized the **Internationalization Seminar**, which drew more than a hundred participants, including AdSS, TRS and students. The seminar helped to



“ The University of Barcelona is the highest ranked Catalan university in the world rankings again. The *Times Higher Education* ranking, one of the most prestigious in the world, puts the UB at position 142. ”

*Avui*

17 September 2010

create a shared vision of internationalization at the UB and uncover the most significant strengths and shortcomings at present.

As part of the Internationalization Seminar, the UB awarded **Internationalization Prizes** in recognition of individuals who have played a key role in the process of internationalization on campus. The recipients included the dean of the Faculty of Biology, Dr. Joaquim Gutiérrez; a project manager in the Rector's Office, Cristina Madrenas, for her work in developing and coordinating Barcelona Knowledge Campus; a former manager in the International Relations Office and current director of *Fundación Universidad.es*, Mònica Margarit, and Xavier Fernández Pons, lecturer in Law, for his role as coach of the UB team that won the European Round in the seventh annual competition organized by the European Law Students Association (ELSA). The competition, known as the ELSA Moot Court, focused on the World Trade Organization.

In addition, the new **website of the University of Barcelona** features a specific section devoted to international activity. The section gathers information on international mobility for students, TRS and AdSS. It also addresses institutional aspects such as development cooperation with developing nations and the representation of the UB in institutional networks. In the same respect, the international sections of the respective **faculty web pages** are also being updated with a view to making them more similar, improving accessibility and upgrading



Historic Building

available information. The UB has also sought to give greater prominence to **news** appearing on the internet on the subject of internationalization.

In the area of **language competence**, the UB has strengthened the **knowledge of languages** among its staff, offering funding for foreign language courses. Specifically, 388 AdSS members attended 56 language courses (English, French, German,



Italian and Portuguese) organized for AdSS or offered through the UB's School of Modern Languages (EIM), an external academy *Escola Oficial d'Idiomes* or others, such as the language immersion program. In the case of TRS, 171 individuals took part in the tenth edition of the course Basic Skills and Tools to Teach Content Subjects in English, which took place on various UB campuses and was organized by the Institute of Education Sciences (ICE).

The number of students attending courses subsidized by the School of Modern Languages stood at 317. The aim of attendance was to prepare students to take part in international mobility programs. The most requested languages were English, French and Italian. In addition, 374 international students coming to the UB through mobility programs took part in Spanish courses organized by the Institute of Hispanic Studies.

As part of the summer program *Els Julols*, the UB also organized English courses to improve student performance in courses delivered in English.

As described above, the UB has an aim to **strengthen and diversify channels** between the vice-rectors' offices and the UB's faculties and schools. To make this happen, the UB has created the **International Relations Committee**, which brings together the individuals responsible for international matters in the UB's faculties and schools, including UB-affiliated centres, with members of

the unit International Mobility and Programs and the Office of the Vice-Rector for International Relations. As a result, members of the new committee have played an active role in collaboration with the two vice-rectors' teams, travelling on international trips as UB representatives or organizing the Internationalization Seminar.

Strengthening and diversifying the links between different UB bodies has also been undertaken between the vice-rectors' offices themselves, and this has given rise to collaboration between the **Office of the Vice-Rector for Teaching and Science Policy** and the growing number of Erasmus Mundus programs in which the UB takes part, as well as the project to overhaul doctoral studies. Along the same lines, the **Office of the Vice-Rector for**



“ The University of Barcelona will be the first Spanish university to join the League of European Research Universities (LERU). The UB becomes the first Spanish university and the second university from southern Europe, after Milan, to join the so-called G-20 of universities. ”

*El Mundo*  
12 December 2009

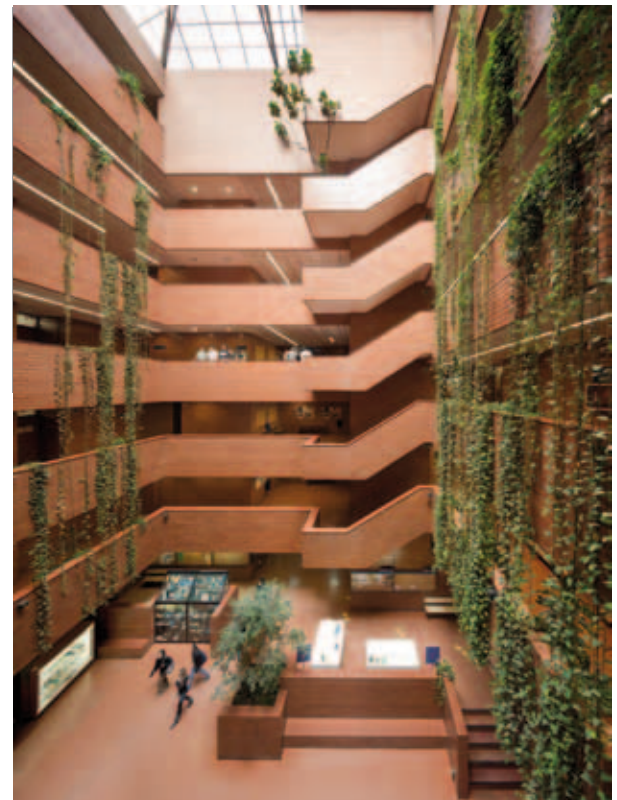
**Research** played a role in a great number of European and international projects.

### **Internationalization abroad**

The University of Barcelona has a strong international tradition, which is apparent from the UB's excellent standing in a variety of international rankings, such as the Times, QS and Shanghai rankings. In each of these rankings, the UB holds the highest position of all Spanish universities. The UB's tradition also draws on the location and international renown of Barcelona, the UB's home. In addition, the Office of the Vice-Rector for International Relations and other vice-rectors' offices and units have made a strong effort to strengthen the UB's presence abroad. Added to these relationships must be the countless personal contacts in teaching and research that involve so many members of the university community.

The University of Barcelona is a member of the most important European and **international networks**.

As part of the activities of the **Coimbra Group**, the UB took part in the seminar held at the University of York (Toronto, Canada), which marked the conclusion of the Erasmus Mundus (Action IV) project «Balance-Bologna: a long-term approach to new certification in Europe», coordinated by the technical office of the Coimbra Group and the universities



Faculty of Biology

of Barcelona, Cambridge, Graz and Turku. Building on the Bologna project, the UB has also participated in the submission of a new proposal within the Erasmus Mundus program (Action III). It is called «Trans-Doc» and will be coordinated by the technical office of the Coimbra Group. In addition, the UB took part in the twenty-fifth anniversary celebration organized by the Catholic University of Leuven (Bel-



gium) and in the General Assembly organized by the University of Iasi (Rumania), where the decision was taken to welcome the University of Istanbul (Turkey) as a new member. Lastly, the UB took part in meetings of the working committee «Education, Training and Mobility», held in Krakow (Poland) and Brussels (Belgium).

The UB attended the General Assembly of the **International Forum of Public Universities (IFPU)**, hosted by the Free University of Brussels (Belgium). The IFPU General Assembly undertook the commitment to organize a summer doctoral course at the University of Barcelona in July 2011. The UB also entered into new agreements with members of the association and two UB students took part in the IFPU's annual summer doctoral course, which was held by the University of Montreal (Canada) under the name of «Managing an international crisis». In addition, the UB attended the tenth meeting of the **Tordesillas Group**, which met at the Technical

University of Madrid. There the decision was taken to create a doctoral association.

The rectors within the **International Research Universities Network (IRUN)** met at the University of Siena (Italy) and agreed to hold their next gathering at the University of Barcelona in May 2011. The UB also set representatives to a Madrid meeting convened as part of the trade fair of the European Association for International Education (EAIE), and to two audio conferences with members of the network.

This year, the University of Barcelona has become a member of the **League of European Research Universities (LERU)**. Coordinated by the Office of the Vice-Rector for Research, the UB attended the LERU rectors' conference hosted by the University of Zurich (Switzerland) and the meeting of vice-rectors for research held in London. The UB participated in the meetings of working groups and committees, such as the EU Research Project Managers, the Senior Officers Meeting, the Biodiversity Group Meeting and the Social and Behavioural Sciences Community Meeting. Also, two UB students attended the Doctoral Summer School organized as part of the Summer School of the University of Utrecht and the University of Amsterdam.

The University of Barcelona took part in the 42nd meeting of the executive committee of CINDA, an interuniversity development centre. At the meet-



«In my view, the UB puts us on a par with other European students; at least, that's what I've been able to see from my own personal experience.»

**Aleix Roig Mateu,**

teacher specializing in physical education and student in the university master's degree course Physical Activity and Sport, speaking on the subject of his Erasmus exchange in Holland

ing held in Bogotá (Colombia), the committee addressed the academic and financial aspects of the activities undertaken during the period. In addition, an academic session examined public policies directed at higher education. The various cooperation networks of CINDA met, and collaboration continued on the ALFA project focusing on quality assurance, public policies and university management, which is coordinated by CINDA and counts on active involvement from the UB.

The UB took part in the second international meeting of **Universia** rectors, which took place in Mexico from 29 May to 2 June 2010.

The UB attended meetings at Rovira i Virgili University (Tarragona) and the University of Girona as part of the **Catalan Association of Public Universities (ACUP)**.

The UB also took part in meetings of the **Spanish University Committee on International Relations (CEURI)** at Las Palmas on Gran Canaria and at Toledo.

The UB's institutional presence at international events included, for example, a visit to **John Hopkins University (USA)**, where the UB signed a collaboration agreement to organize an international master's degree in public health.

The University of Barcelona had a presence at **international trade fairs and exhibitions**, organiz-



ing an individual stand or attending in collaboration with other organizations.

The University of Barcelona presided over a meeting of **OBREAL**, the observatory on EU-Latin American relations, held in Cartagena (Colombia) and attended by European rectors of the EUA (European University Association) and Colombian rectors. The aim of the meeting was to establish institutional relations.

The UB signed the **Declaration of the University of Sarajevo** on the sixtieth anniversary of the Bosnian university. The declaration espouses respect for cultural diversity, human rights and the humanistic model used in European universities.

The founding statutes of the **Confucius Institute of Barcelona** were signed by the University of Barcelona, the Autonomous University of Barcelona, the Beijing Foreign Studies University (China) and Asia



### Participation in international trade fairs and exhibitions

- **Europosgrados 2009:** Mexico City, Monterrey (Mexico), Bogotá (Colombia) and Medellín (Colombia) (November and December 2009)
- **International Exhibition on Higher Education:** Riyadh (Saudi Arabia) (January 2010)
- **QS Top Universities Tour 2010:** New Delhi (India), Mumbai (India), Hong Kong (China), Shanghai (China), Beijing (China) and London (United Kingdom) (January and March 2010)
- **Salon des Masters et 3èmes Cycles:** Toulouse (France) (March 2010)
- **Le Forum International de l'Étudiant:** Casablanca (Morocco) (April 2010)
- **Study World 2010:** Berlin (Germany) (April 2010)
- **Expo Estudiante:** Santiago (Chile) (May 2010)
- **62nd NAFSA Annual Conference and Expo:** Kansas City (USA) (May and June 2010)
- **22nd EAIE Annual Conference and Expo:** Nantes (France) (September 2010)

House. The aim of the Confucius Institute is promote Chinese language and culture. It is the recipient of funding from Hanban, the public institution affiliated with the Chinese Ministry of Education as a Foreign Language.

The University of Barcelona accompanied an official delegation to Montreal (Canada) of the Catalan **Ministry of Innovation, Universities and Enterprise**, led by the vice-president of the government of Catalonia and joined by senior officials of ACCIÓ and Catalan business figures.

The Office of the Vice-Rector has given support to **international congresses and seminars** organized by members of the University of Barcelona, and to Erasmus Mundus master's programs and other international programs in which the UB takes part.

In addition, as part of the UB's institutional efforts to establish and strengthen international relations, the

### International congresses and seminars

- «Peut-on écrire au Québec et voir grand» (November 2009)
- International Congress on Machiavelli in Spain (November 2009)
- «Republican Exile 1939» conference (November 2009)
- International Master's Degree on Public Health (2010 edition)
- European Joint Master's Degree in Quality in Analytical Laboratories (EMQUAL)
- Council on International Education Exchange (February-May 2010)
- University Master's Degree in Social Science of Development: Culture and Development in Africa (June 2010)
- «Compartiendo la mirada: perspectivas germano-hispanas en torno a Auschwitz» (June 2010)
- International seminar on «Union for the Mediterranean: Cultural Rights and Diversity» (July 2010)
- XII Congress on Spanish Population (July 2010)
- Rencontre Assyriologique Internationale (July 2010)



1



2

UB received **visiting delegations** from other universities and foreign consulates and embassies.

The University of Barcelona hosts **an institutional welcome for international students** organized jointly by the Office of the Vice-Rector for International Relations and the Office of the Vice-Rector for Students and Language Policy. The event drew more than a thousand international students enrolled in a number of the UB's departments through the as-

sistance of international mobility programs, such as Erasmus, bilateral agreements, Erasmus Mundus External Cooperation Windows, specific agreements with the US and individual applications.

1. Inauguration of the Confucius Institute in Barcelona (ICB).

2. Welcome ceremony for international students.

Faculty of  
Fine Arts



### Visiting delegations

- Consulate General of Mexico (September 2009)
- Beijing Institute of Technology (China) (September 2009)
- ASCUN (Association of Colombian Universities) (September 2009)
- University of El Salvador (September 2009)
- University of Sassari (Italy) (September 2009)
- Consulate General of Ukraine (October 2009)
- French embassy (October 2009)
- University of Cairo (Egypt) (November 2009)
- Radboud University Nijmegen (the Netherlands) (November 2009)
- Naples Eastern University (Italy) (December 2009)
- Beijing University of Language and Culture, Hanban and the embassy of the People's Republic of China (January 2010)

- Southern Cross University (Australia) (February 2010)
- University of Nagoya (Japan) (March 2010)
- National Autonomous University of Mexico (UNAM) (March 2010)
- Beijing Institute of Technology (China) (March 2010)
- Rectors from universities of Sofia (Bulgaria) (April, 2010)
- Shanghai University of Finance and Economics (China) (April 2010)
- Finnish universities (Finland) (May 2010)
- League of European Research Universities (May 2010)
- School of Public Health at Johns Hopkins University (USA) (June 2010)
- University of Curitiba (Brazil) (June 2010)
- University of Pernambuco (Brazil) (June 2010)
- Delegation of rectors of Brazilian universities (July 2010)

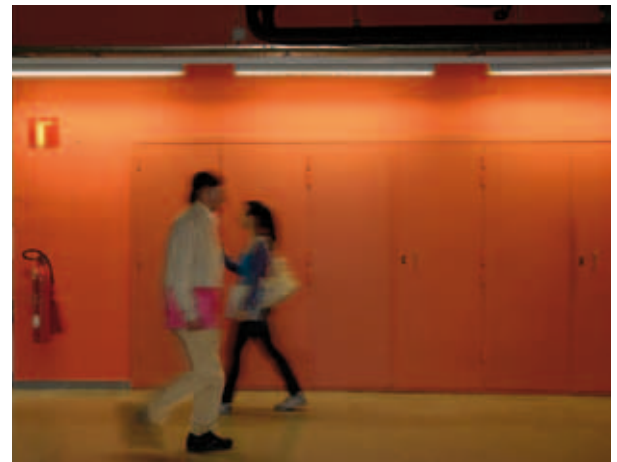


## Mobility for students, teaching and research staff and administrative and service staff

### Student mobility

In **Europe**, student mobility for study and work placement largely occurs through the **Erasmus** program. With respect to the previous year, the number of short stays abroad rose 15%, while the preferred destinations of UB students were Italy, the Netherlands and France. By contrast, most of the visiting students coming to the UB were from France, Germany and Italy. By faculty, the UB students going abroad come from the Faculties of Economics and Business, Fine Arts, Biology, Law, and the Faculty of Geography and History, while the greatest number of visiting students attends the Faculties of Economics and Business, Philology and Law. This year, 18 UB students received EU funding (EILC) for intensive language courses held in foreign universities. Dutch and Finnish were the languages most in demand.

Student mobility in the context of the **United States and Canada** largely occurs through **bilateral agreements** between universities in those countries. The number of participating UB students fell by 50%, while the UB received 266 US students as part of **Study Abroad** programs, representing a nearly 16% rise over the previous year. By faculty, the greatest number of UB students enrolled in Fine Arts, Pharmacy and Law (as part of a dual pathway degree program). The UB faculties attracting the greatest number of US students were Philology, for Study Abroad



students, and Economics and Business and Fine Arts, for students participating in bilateral agreements.

In the case of **Latin America**, UB students going abroad rose nearly 16%, while the number of visiting students fell 32%. The greatest number of visiting students came to the UB by means of **individual applications** and **MAEC-AECID grants**, while UB students abroad largely went through **bilateral agreements**. By country, Brazil, Mexico and Colombia sent the greatest number of students to the UB, while the preferred destinations of UB students were Mexico, Chile, Argentina and Colombia.

With respect to the **Maghreb, Arab countries, the Mediterranean and Sub-Saharan Africa**, visiting students primarily came with the assistance of

Our commitment to internationalization

1,660

international students visiting through exchange programs

**MAEC-AECID grants.** By country, Morocco and Namibia sent the greatest number of students, but the distribution across the region was quite even.

Student mobility within **Asia and Oceania** largely occurs through **bilateral agreements** and, for visiting students, also **MAEC-AECID grants**. By country, UB students chose Japan and Australia, while the greatest number of visiting students at the UB came from China and the Philippines.

#### Student exchanges by exchange program and geographic area, 2009-2010

Program	Students	Europe (EU)	Central and Eastern Europe (non EU)	USA and Canada	Latin America	M, AC, MED, SSA*	Asia and Oceania	TOTAL
Erasmus	UB	764	-	-	-	-	-	<b>764</b>
	International	1,042	-	-	-	-	-	<b>1,042</b>
Erasmus Mundus	International	13	-	-	2	2	4	<b>21</b>
Erasmus Mundus External Cooperation Windows	International	-	-	-	14	-	-	<b>14</b>
Erasmus placements	UB	32	-	-	-	-	-	<b>32</b>
Coimbra Group	UB	7	-	-	-	-	-	<b>7</b>
	International	8	-	-	-	-	-	<b>8</b>
Bilateral agreements	UB	15	-	16	41	-	12	<b>84</b>
	International	9	6	29	34	-	11	<b>89</b>
Individual applications	UB	3	-	-	3	-	-	<b>6</b>
	International	38	1	6	69	3	3	<b>120</b>
Specific USA programs (Study Abroad)	International	-	-	266	-	-	-	<b>266</b>
MAEC-AECID	International	7	-	-	58	14	5	<b>84</b>
Carolina Foundation	International	-	-	-	16	-	-	<b>16</b>
<b>TOTAL</b>	<b>UB</b>	<b>821</b>	<b>-</b>	<b>16</b>	<b>44</b>	<b>-</b>	<b>12</b>	<b>893</b>
	<b>INTERNATIONAL</b>	<b>1,117</b>	<b>7</b>	<b>301</b>	<b>193</b>	<b>19</b>	<b>23</b>	<b>1,660</b>

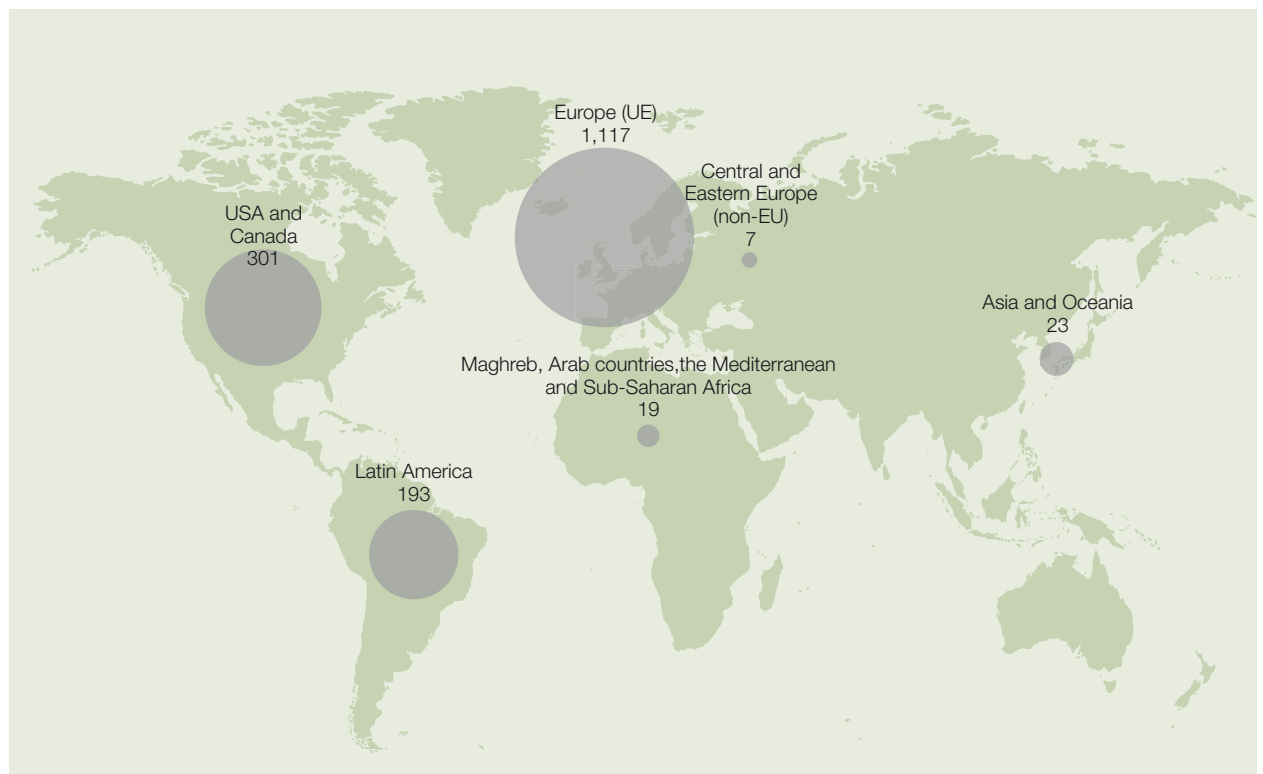
\* The Maghreb, Arab countries, the Mediterranean and Sub-Saharan Africa.



«I've picked up a new approach to working in teams creating a class or doing a final project. It's very different to Mexico and it's better, because we were a little conventional back home, while here it's much more effective.»

**Ana Paola García,**  
student in the Faculty of Economics  
and Business

Visiting students on exchange programs (breakdown by place of origin)



Our commitment to internationalization

8,694  
international students

94  
different nationalities

### TRS mobility

During the year, TRS mobility gained two new funding sources through agreements with two US university consortia: the CASB (Consortium for Advanced Studies in Barcelona) and the CIEE (Council on International Education Exchanges). CIEE funding has enabled UB teaching and research staff to attend English-language immersion programs at English-speaking universities, largely in the US, while CASB funding enables young UB teaching and research staff to pursue postdoctoral research periods at one of the following consortium members:

Brown University, the University of Chicago, Stanford University and Northwestern University.

### AdSS mobility

For another year, UB's administrative and service staff (AdSS) mobility took advantage of the Erasmus program, sending seven AdSS members to Finland, Germany, Norway, Sweden or the UK, while ten individuals came to the UB from universities in the Czech Republic, France, Greece, Italy and Poland.

### TRS and AdSS mobility exchange programs, 2009-2010

	TRS UB	AdSS UB	International TRS	International AdSS
Erasmus program	67	7		10
Coimbra Group	-	-	3	-
Bilateral agreements (Latin America)	9	-	9	-
PCI-Ibero-America (AECID)	157	-	72	-
PCI-Mediterranean (AECID)	33	-	31	-
PCI-Africa (AECID)	6	-	4	-
Grants for TRS projects and mobility (UB Office of the Vice-Rector for International and Institutional Relations)	37	-	19	-
CIEE funding	4	-	-	-
CASB funding	1	-	-	-
<b>TOTAL</b>	<b>314</b>	<b>7</b>	<b>138</b>	<b>10</b>

### Other programs: Erasmus Mundus

As part of **Erasmus Mundus (Action 1)**, the UB continued to participate in the Master on Work, Organizational and Personnel Psychology (WOP-P), which was selected for renewal in the 2010 call for funding, while the Master in Quality in Analytical Laboratories accepted its first intake of students. In addition, two master's programs selected in the 2009 call for funding underwent preparation for their first intake of students in the academic year 2010-2011: the first was Photonics Engineering, Nanophotonics and Biophotonics (NanoBioPhotonics), coordinated by the Paul Cézanne University (Aix-Marseille III), while the second was Learning and Teaching of Spanish in Multilingual and International Contexts (EMLTE), coordinated by the University of Deusto. The UB also began to imple-



### Erasmus Mundus Masters

Country of origin	Faculty	Students
Portugal	Psychology	7
Ethiopia	Chemistry	2
Philippines	Chemistry	2
Serbia	Chemistry	1
Brazil	Chemistry	1
Colombia	Chemistry	1
India	Chemistry	1
Nepal	Chemistry	1
France	Psychology	3
Italy	Psychology	2
<b>Total</b>		<b>21</b>

ment the Master in Public Policy and International Development. The most recent EACEA call, in addition to granting the renewal mentioned above, also gave funding to the Master in Translational Health and Modelling (*TranslationalHealth.eu*), coordinated by Joseph Fourier University of Grenoble.

As part of **Action 2**, the third year of the ISAC cooperation project with Brazil (coordinated by the University of Coïmbra) funded five Brazilian students to study at the UB. As part of the Mundus 17 cooperation project with Brazil, Paraguay and Uruguay (coordinated by the University of Porto), an additional 6 Brazilian students and 3 Uruguayan

students received funding to come to Barcelona and one UB student went to Brazil. Also, 75 students received grants through the BAPE cooperation projects with Argentina, Bolivia and Peru (coordinated by the University of Padua) and the *Ánimo ¡Chévere!* cooperation program with Cuba, Ecuador, Venezuela and Chile (coordinated by the University of Granada). Grantholders started their periods abroad prior to 1 September 2010. Lastly, a cooperation project with Argentina received money at the most recent EACEA call for funding. The project, «MoE: A Move on Education», is coordinated by the University of Malaga.

Faculties of Geography and History and of Philosophy





