



Fundació
Bosch i Gimpera

Universitat de Barcelona

ACTIVITY REPORT **2008**

FUNDACIÓ BOSCH I GIMPERA

25
1983-2008
ANYS

TransFerència, Start-Up,
INnovació, EmprenDre,
LlicènciA, Coneixement, Consultoria,
PersOnes, ViaBilitat, PiOners, PatentS,
TeCnologia, Humanitats, Excel·lèncla,
Gestionar, Relacions,
ProMotor, Projectes, REcerca,
RecolzaR, ResultAts,
Spin-off, SolUcions,
OBjectius, Universitat,
Empresa



UNIVERSITAT DE BARCELONA



ACCÍO

CIDEM | OOPCA

Generalitat
de Catalunya

XTT
Xarxa de
Trampolins
Tecnològics

PRIZES OF THE UB'S CONSELL SOCIAL [BUSINESS COUNCIL] AND OF THE BOSCH I GIMPERA FOUNDATION

Coinciding with the 25-year celebration of the FBG, 2008 saw the inauguration of the Prizes of the University of Barcelona [UB] Business Council and the Bosch i Gimpera Foundation in the categories Antoni Caparrós for the best knowledge transfer project and Senén Vilaró, for the most innovative company. The Caparrós Prize has been redefined and extended and the Vilaró was once again awarded to reward entrepreneurship within the UB environment.

In this first year of prizes, 20 candidatures were put forward, 10 in the Caparrós category and 10 in the Vilaró category. The jury, made up of representatives of both convening institutions, decided that the winners should be:

Antoni Caparrós Prize: For the university-business collaboration project "Simulació i Modelització de Sensors de Gas" presented by Dr Albert Cirera Hernández, whose objective was to produce sensor devices for automobiles.

Senén Vilaró Prize: awarded to the company METEOSIM, S.L., created by the UB's Physics Faculty in 2003, specialised in atmospheric modelling and numeric simulation to provide solutions for meteorologically sensitive companies.

On 11 December, 2008, the prize-giving ceremony for the above-mentioned prizes was held jointly with the Blecua and Margalef categories, convened by the Business Council to award the best scientific projects stemming from a doctoral thesis read at the UB, in the area of Social Sciences (Blecua category) and Experimental Sciences (Margalef category). All four prizes constitute a clear example of the University's missions: teaching, research and transfer. A circle is thereby joined: basic research, applied research, knowledge transfer and business innovation.

The jury members for the different prizes emphasised the extraordinary quality respectively of articles, projects and companies, and praised the undoubted merits of the winning projects.

The ceremony was attended by the Secretary of State for Universities, Mr Màrius Rubiralta, as well as 150 other attendees.



CELEBRATION

On 3 October, the Bosch i Gimpera Foundation celebrated its 25th anniversary with an event attended by the Secretary of State for Universities, the Councillor for Innovation, Universities and the Business sector, and the acting vice-chancellor of the University of Barcelona. This celebration signified a meeting between the university sphere and the Catalan business sector.

2008 RESULTS

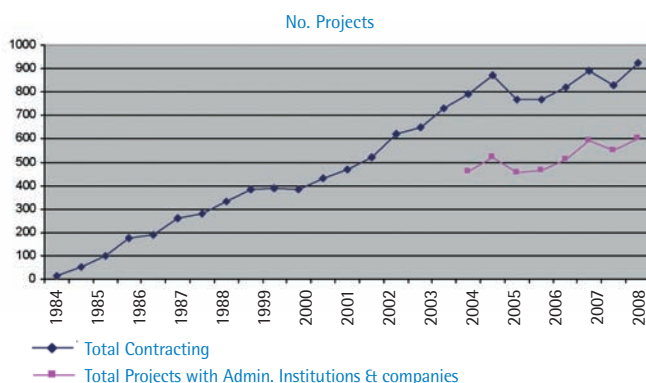
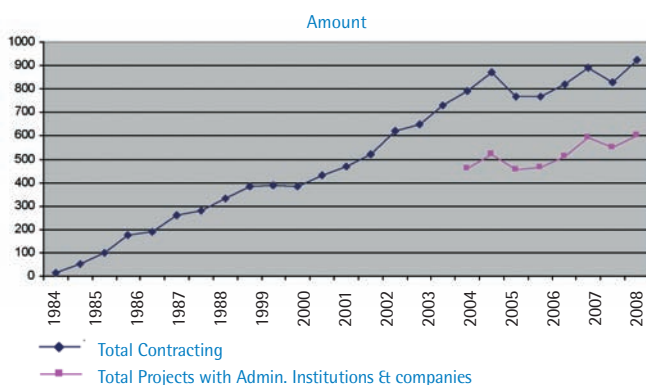
NETWORKS

Contracting: In 2008, 925 projects were contracted (contracts, agreements and grants).

UNIVERSITY – BUSINESS CONTRACTING

- 925 projects
- Over 28 million euros in research through contracts.
- Over 8 million euros in services, studies and analysis.
- 26,754.57: average amount contracted in non-EU projects
- 364,864.54: average amount contracted in EU projects
- Over 12 million euros total invoicing of XIT-UB groups

EVOLUTION 1994 – 2008



START-UPS

- 27 ideas for company start-ups received
- 16 entrepreneur projects assessed
- 4 companies started up in 2008
- 3 licences
- 100 investors subscribed to the Business Angels University Network (UniBA)

TECHNOLOGY AND KNOWLEDGE TRANSFER NETWORKS IN WHICH THE BOSCH I GIMPERA FOUNDATION PARTICIPATES

INTERNATIONAL NETWORKS:

Technology, Innovation, Information (TII)
ProTon Europe
Enterprise Europe Network (EEN)

SPANISH NETWORKS:

University-Business Foundations Network (REDFUE)
Research Results Transfer Office Network (OTRI Network)

CATALAN NETWORKS:

Technological Springboard Network of the CIDEM (XTT)
Technological Innovation Support Network of the CIDEM (XIT)
Business Angels University Network (UniBA Network)

REFERENCE NETWORKS MANAGED BY THE GENERALITAT DE CATALUNYA [CATALAN AUTONOMOUS REGIONAL GOVT]:

In Food Technology (XaRTA)
In Advanced Energy Materials (XaRMAE)
In Applied Economy (XREAP)
In Theoretical and Computational Chemistry (XROTC)
In Economy & Public Policy (XREPP)

THE BOSCH I GIMPERA FOUNDATION IS THE UB'S RESEARCH RESULTS TRANSFER OFFICE.

CONTRACTING

UNIVERSITY – COMPANY/INSTITUTION

In 2008, 925 projects were contracted at a cost of €36,667,729.00 (35.41% more than in 2007).

Distribution, according to typology and centre, was the following:

2008										
	Projects		European Projects		Collaborative Agreements		Programs Et Service Managment			TOTAL
	Núm.	Euro amount	Núm.	Euro amount	Núm.	Euro amount	Núm.	Euro amount	Núm.	Euro amount
Fine Arts	15	273.540,81	1	13.805,81	16	38.545,24	2	67.482,48	34	393.374,34
Library Scien Doc.	5	190.424,09			2	8.000,00			7	198.424,09
Biology	126	3.089.224,69	4	1.662.209,07	40	313.498,46	1	47.087,54	171	5.112.019,76
Law	32	679.032,20			12	111.400,90	5	148.488,16	49	938.921,26
Business Et Economics Studies	85	1.688.089,83	3	1.493.669,00	33	315.125,21	9	593.033,01	130	4.089.917,05
Pharmacy	100	2.868.491,32	2	2.506.944,00	41	283.883,02	3	104.672,45	146	5.763.990,79
Philology	2	12.617,24	1	52.209,00	4	11.961,96	1	800.000,00	8	876.788,20
Philosophy			1	222.060,00					1	222.060,00
Physics	28	1.097.745,35	7	4.122.169,26	11	33.398,83	1	4.370,70	47	5.257.684,14
Teacher Training	16	326.415,49	3	92.672,00	3	30.089,50	1	13.273,32	23	462.450,31
Geography Et History	16	207.772,61	2	246.282,47	10	35.640,49	1	58.614,25	29	548.309,82
Geology	33	1.204.510,00	2	223.235,05	17	258.612,72	2	35.505,00	54	1.721.862,77
Medicine	16	461.215,63	1	219.844,77	12	135.684,26			29	816.744,66
Education	26	418.985,12	1	17.555,00	5	18.608,06			32	455.148,18
Psychology	26	421.318,72	1	33.750,00	9	49.565,19			36	504.633,91
Chemistry	63	1.847.644,80	2	257.309,00	25	171.804,09	3	343.282,03	93	2.620.039,92
FBG	10	1.269.565,00					3	244.629,30	13	1.514.194,30
Others	2	22.905,00	3	1.241.680,00			18	3.906.580,50	23	5.171.165,50
TOTAL	601	16.079.497,90	34	12.405.394,43	240	1.815.817,93	50	6.367.018,74	925	36.667.729,00

Projects	64,97%	43,85%
European Projects	3,68%	33,83%
Collaborative Agreements	25,95%	4,95%
Programs Et Service Managment	5,41%	17,36%



Research through contracts signified a cost of €28,484,892.33 in 635 projects.

Distribution by origin, according to whether originating from companies, government bodies and institutions, or from the European Union, was the following:

2008								
	Firms		Administracions i Institucions		Unió Europea		TOTAL	
	Nº	Eur amount	Nº	Eur amount	Nº	Eur amount	Nº	Eur amount
Fine Arts	5	44.288,00	10	229.252,81	1	13.805,81	16	287.346,62
Library Scien Doc.	3	181.975,82	2	8.448,27			5	190.424,09
Biology	60	1.294.237,35	66	1.794.987,34	4	1.662.209,07	130	4.751.433,76
Law	5	24.550,00	27	654.482,20			32	679.032,20
Business & Economics Studies	16	266.616,11	69	1.421.473,72	3	1.493.669,00	88	3.181.758,83
Pharmacy	79	2.510.459,63	21	358.031,69	2	2.506.944,00	102	5.375.435,32
Philology	1	9.600,00	1	3.017,24	1	52.209,00	3	64.826,24
Philosophy					1	222.060,00	1	222.060,00
Physics	14	553.593,88	14	544.151,47	7	4.122.169,26	35	5.219.914,61
Teacher Training	4	8.762,48	12	317.653,01	3	92.672,00	19	419.087,49
Geography & History	3	69.423,97	13	138.348,64	2	246.282,47	18	454.055,08
Geology	21	910.785,29	12	293.724,71	2	223.235,05	35	1.427.745,05
Medicine	10	221.904,60	6	239.311,03	1	219.844,77	17	681.060,40
Education	1	6.000,00	25	412.985,12	1	17.555,00	27	436.540,12
Psychology	6	50.333,76	20	370.984,96	1	33.750,00	27	455.068,72
Chemistry	46	1.353.661,99	17	493.982,81	2	257.309,00	65	2.104.953,80
FBG	1	3.670,00	9	1.265.895,00			10	1.269.565,00
Others			2	22.905,00	3	1.241.680,00	5	1.264.585,00
TOTAL	275	7.509.862,88	326	8.569.635,02	34	12.405.394,43	635	28.484.892,33

	Nº	EUR amount
Firms	43,31%	26,36%
Administrations	51,34%	30,08%
European Union	5,35%	43,55%

Projects *	Nº	%
> 100.000	33	5,49%
From 75.001 to 100.000	22	3,66%
From 50.001 to 75.000	26	4,33%
From 25.001 to 50.000	86	14,31%
Until 25.000	434	72,21%
Total	601	100,00%

* UE projects not included

	Nº	Amount	% Nº	% Amount	average amount
Projects	601	16.079.497,90	94,65%	56,45%	26.754,57
Eur Projects .	34	12.405.394,43	5,35%	43,55%	364.864,54
Total	635	28.484.892,33	100,00%	100,00%	

Distribution by sector of contracting in companies

2008				
SECTOR	Nº	Euro amount	% Projects	% amount
Food & beverage	17	586.740,05	6,18	7,81
Others	1	9.500,00	0,36	0,13
Auto	1	22.680,00	0,36	0,30
Banks & Insurance co.	7	317.762,98	2,55	4,23
Commerce	2	7.560,00	0,73	0,10
Construction	14	357.965,64	5,09	4,77
Consultancies	36	148.108,30	13,09	1,97
Culture	1	3.725,00	0,36	0,05
Communication	6	79.565,25	2,18	1,06
Energy	3	241.807,70	1,09	3,22
Pharmaceutical companies & fine chemicals	90	3.012.710,09	32,73	40,12
Environment	17	318.109,05	6,18	4,24
Metallurgy & Electronic	20	762.705,02	7,27	10,16
Industry oil	10	564.345,38	3,64	7,51
Chemistry	13	500.050,73	4,73	6,66
Health	5	40.770,94	1,82	0,54
Commercial Services	1	4.827,59	0,36	0,06
Public Services	26	433.682,69	9,45	5,77
Telecommunications	3	54.100,00	1,09	0,72
Textile	2	43.146,47	0,73	0,57
TOTAL	275	7.509.862,88	100,00	100,00

In 2008, a number of **collaborative agreements** were signed between companies and institutions and UB research groups at FBG head office. Examples of such formal signings are:

- The company Ros Roca IMA (Ingeniería Medio Ambiente, Environmental Engineering) SL with the UB's Environmental Biotechnology Research Group to develop R+D+I projects in the field of anaerobic digestion of organic waste.

- The company Jardineria Moix with the UB's Sculpture Department to create an artistic work that collects fragments of nature to be applied to paving stones.

- Lafarge Cementos with the Vegetable Biology Department of the UB's Biology Faculty to regenerate the Turó de Montcada [Moncada Hill].

TECHNOLOGY TRANSFER AREA



The Technology Transfer Area makes the UB's entire research potential available to companies, institutions and society with the objective of covering scientific-technological needs, promoting technological innovation and improving competitiveness.

COMMERCIALISING THE UB'S CAPABILITIES

The FBG, as a pioneering centre enabling the University of Barcelona to connect to new social realities and demands, actively supports UB researchers in all categories of knowledge and technology transfer, from collaborative research to patent licensing, or creating companies on a technological foundation.

The FBG has grouped the UB's capabilities into industrial sectors. In 2008, these sectors were the following:

AGRICULTURE & LIVESTOCK – WATER – CONSTRUCTION – NAUTICAL – ENVIRONMENT – CHEMICAL – MATERIALS, ELECTRONICS & MACHINERY

The centre participated in several trade fairs and conferences where it had the chance to present the UB's expertise, in some cases more extensively than others.

It participated in eleven activities of this type. Of these, four were commercial trade fairs. As a result of these, 138 companies were contacted at these four commercial trade fairs. We can highlight the collaboration established with FITEC for trade fair participation.

COORDINATING LARGE-SCALE RESEARCH PROJECTS FOR COMPANIES

The FBG coordinates participation of UB Group's research groups in a CENIT project.

The project SOSTAQUA (Technological Developments Towards a Self-Sustainable Urban Water Cycle) is a CENIT project presented by AGBAR (Barcelona Aigües [Water] Group) which aims to promote public-private cooperation in research, development and innovation (R+D+I). The project is being run from 2007 to 2009 inclusive, and has a budget for the UB of 1,550,000. Five research centres of the UB and the PCB are participating in this project.

The operational areas for the SOSTAQUA project are water

technology and the environment. SOSTAQUA's objective is to improve the sustainable water cycle. The four directions on which the SOSTAQUA programme is based focus on research and development concerning water, waste, energy and health.

XIT. TECHNOLOGICAL INNOVATION SUPPORT NETWORK

The FBG employs a multi-disciplinary consultant who acts as an energiser and coordinator for the eleven groups in the UB's IT Network.

In 2008, the UB had eleven research centres that were members of the IT Network d'ACC10 (CIDEM-COPCA). It should be stressed that one of the groups was incorporated into the network mid-year. During 2008, total invoicing of the groups in the IT Network-UB was 12,584,187.73, a figure that represents an increase of 11.10% compared to 2007. (Figure 1).

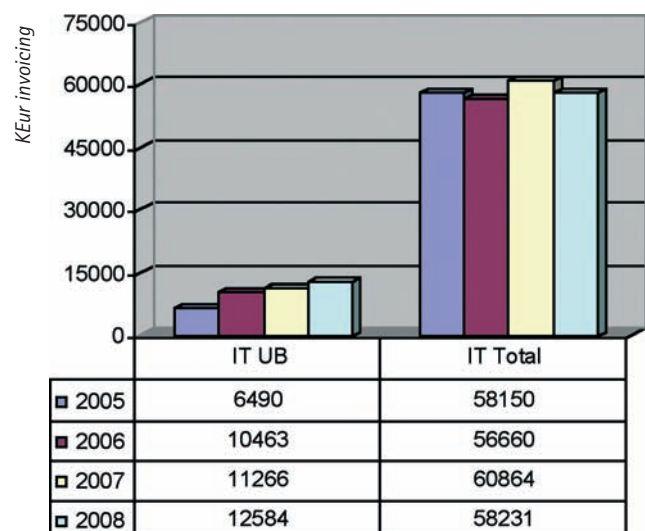


Figure 1. Evolution of invoicing in the IT Network-UB
Invoicing value of 70 of the 80 groups that form part of the IT Network

From 1999 it can be seen that average invoicing of UB groups was over one million euros.

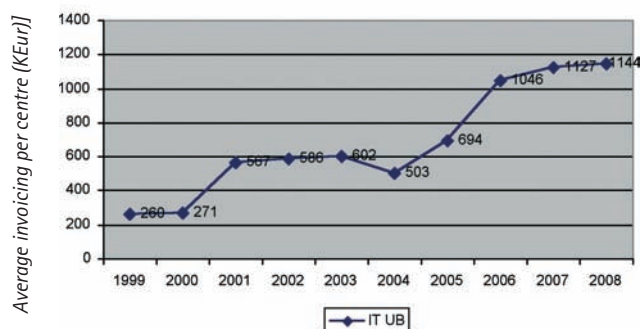
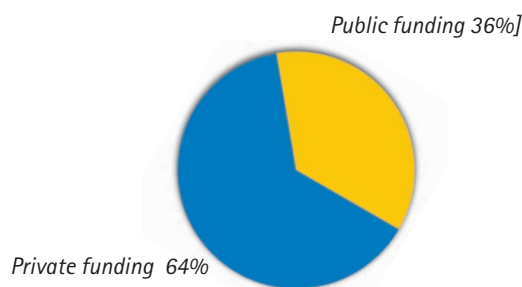


Figure 2. Evolution of average invoicing in the IT Network-UB

RESULTS OF THE IT NETWORK -UB

By analysing the invoicing of the 11 groups in the IT Network -UB it can be seen that a significant part is invoicing on projects with companies (64%), the remainder of this (36%) comes from public funding. (Figure 3)

Figure 3. Distribution of invoicing in the IT Network -UB



1 Spin-off

9 international patents have been registered.

Company invoicing: over 8 million euros

Total invoicing: over 12 million euros

XIT GROUPS:

CELLTEC UB -Cellular biology.

CEMIC (Centre for engineering micro-systems for instrumentation and control) - Nanotechnologies and Bioengineering.

CEQAP (Centre for environmental-chemical and product engineering) - Chemical Engineering.

CERETOX (Experimental toxicology and ecotoxicology

unit) -Toxicology Research.

CPT (Centre for thermal projection) - New Materials, Surface Treatments.

DIOPMA (Centre for design and optimisation of processes and materials) - Materials and Metallurgy.

ELECTRODEP (Corrosion and electrodeposition laboratory) - Materials and Electrochemistry.

SCT (Scientific-technical services) - UB's Scientific-technical Services.

SDM (Medicine development service) - Formulation and Development of Medicines.

UQC (Combinatory chemistry unit) - Combinatory Chemistry.

SINTEFARMA (Centre for research and development in organic synthesis for the pharmaceutical chemical industry).

Synthesis of molecules with therapeutic activity.

REVITALISING PROGRAMME FOR INNOVATION IN COMPANIES

In 2008, the Technology Transfer Area, jointly with the Barcelona Chamber of Commerce and the ACCIÓ Agency of the Generalitat de Catalunya [Autonomous Regional Government of Catalonia] started up the first company innovation revitalisation programme to boost improvement in company competitiveness and their growth through innovation.

The programme's global objective is to provide support to revitalise the process of technological innovation in SMEs by incorporating the UB's human resources (diplomats, graduates, engineers, masters, doctoral students and doctors) trained in innovation management into the production sphere.

The project included the collaboration of FEINA UB through its website and professional orientation open days that allowed the FBG to publicise the proposal and administrate reception of the 45 pre-registrations from interested students received for the project. Finally, fifteen students, pre-selected through tests and personal interviews, were chosen for the programme.

Collaboration with the UB's Càtedra d'Emprenedoria



[Entrepreneurship Chair], via its director, Professor Jaume Valls, allowed the project to be homologated as a University of Barcelona qualification. The Postgraduate Agency became involved in a highly efficient manner in this process and the obtaining of official qualifications, a certificate of benefit for the training course and a postgraduate diploma for the practice period in the company were valued extremely positively.

The project was structured in two stages:

- **Training stage** (run from October to November 2008). Specialised training in managing innovation for the fifteen qualified UB students. The course ran for one month with the participation of teachers provided by the University of Barcelona, the Chamber of Commerce and ACCIÓ;

- **Company revitalisation stage** (to run during the first six months of 2009). Ten selected students have the opportunity to work under the employment category of a paid practice period to boost and revitalise innovation in a company. This revitalisation stage includes assessment by an external expert in order to make a diagnostic of the company and monitor the dynamic road map containing the actions to be taken to improve the company's current system of innovation management.

As a consequence of the pilot programme, a pioneering initiative in Catalonia, an improvement in the competitive position of SMEs is predicted through a significant increase in the number of innovation projects developed both at both national and international level.

UB CENTRE FOR INNOVATION AND ADVANCED TECHNOLOGIES (CITA UB)

CITA UB is a project aimed at bringing together groups that are active in knowledge transfer into one centre to promote collaboration and synergies between these groups, significantly increasing their knowledge transfer activity.

It was conceived as a meeting point between the UB's research groups and companies interested in developing R+D+I projects. This is why the Centre is visualised as a centre that encourages participation of both the University and business.

CITA UB is dedicated to promoting and empowering interdisciplinary research activities in diverse scientific fields. This research will have a clear mandate and vocation for applied research. The aim of CITA UB must be to transfer knowledge to society in order to improve the quality of life of European citizens. It will cover six innovation and advanced technology programmes. Each of these programmes will be focussed on developing and transferring knowledge in its own specific business sector.

The programmes listed below were created to confront issues in the strategic industrial sectors within the University of Barcelona.

- 1.- FOOD SAFETY AND QUALITY
- 2.- SUSTAINABLE DEVELOPMENT
- 3.- IMPROVEMENT IN INDUSTRIAL PROCESSES
- 4.- INFORMATION OR KNOWLEDGE SOCIETY
- 5.- HEALTH AND QUALITY OF LIFE
- 6.- SOCIO-ECONOMIC SCIENCES

The CITA-UB project has been positively evaluated by the evaluation fund for formation of stable co-operations within ACCIÓ (CIDEM-COPCA)

MANAGEMENT OF THE GENERALITAT DE CATALUNYA'S REFERENCE NETWORKS

The Bosch i Gimpera Foundation is the management body of five out of the nine networks in Catalonia. In accordance with the new strategy of the Generalitat de Catalunya [Autonomous Regional Govt of Catalonia], in 2008, the Foundation incorporated five promoters and one support person into its structure.

The following energising actions have been promoted within the networks:

REFERENCE NETWORK FOR ADVANCED MATERIALS FOR ENERGY (XARMAE)

Preparation of the Strategic Plan of the Institut de Recerca en Energia [Institute of New Research into Energy] of the Generalitat de Catalunya (IREC).

Active participation in the Tractor Group of the new

Plataforma Española de Eficiencia Energética [Spanish Platform for Energy Efficiency].

Incorporation of the network into Research Grouping of the JTI FCH (Joint Technology Initiative on Fuel Cell and Hydrogen) N.ERGHY, which sets the referential policies on hydrogen economy in the European Union.

Organisation of the annual conference "Challenges in Materials for Energy".

REFERENCE NETWORK OF THEORETICAL AND COMPUTATIONAL CHEMISTRY (XRQTC)

Network presentation and visits to companies in the pharmaceutical chemical sector.

Participation in conferences, congresses and trade fairs: IDECAT (Saragossa), BioSpain (Granada) and Expoquimia (Barcelona).

Incorporation and participation in the technological platforms for sustainable chemistry, H2 and innovative medication.

Participation in two European projects.

Publication of scientific articles on the network in "El Periódico" newspaper and in magazines in the sector (Life Sciences Lab, Química & Industria and FarmaEspaña Industrial).

REFERENCE NETWORK IN FOOD TECHNOLOGY (XARTA)

Training of researchers in biosensors and functional foods.

Participation in two proposals of the 7th PM: Utilizació industrial de tecnologia de llevats immobilitzats and Lifestyle and Behavioural Transmission of Child Obesity.

Incorporation of the Network into the technological platforms: Food for Life Spain and Química Sostenible (Industrial Biotechnology Department).

Articles in the specialised reviews "Alimentación, Equipos y Tecnologías" and Eurocarne ("XaRTA: Investigación, desarrollo y transferencia de tecnología")

Participation in conferences, congresses and trade fairs: Expoquimia, Alimentaria, Panorámica actual de la industria alimentaria, "IV encuentro de innovación y tecnología alimentaria"

REFERENCE NETWORK IN ECONOMY AND PUBLIC POLICIES (XREPP)

2nd Edition of the Public Policy Conferences. "Myth and reality of flat tax reform: micro estimates of tax evasion response and welfare effects in Russia".

Presentation of two European projects: Lifestyle and behavioural transmission of child obesity and EU cross border care collaboration.

International congress on management of natural resources and dynamic optimisation. The aim of this International Congress was to create a discussion forum to present debates and projects, such as, for example, uses of the Earth, managing forests and carbon fixing to favour the opening of the forestry sector to the global carbon market supported by the Kyoto resolution.

Workshop on "Small business development in Catalonia: Valued-added strategies for competitive advantage."

REFERENCE NETWORK ON APPLIED ECONOMY (XREAP)

Presentation of a European project on the quality of life, work and education, coordinated by the network with the participation of eleven countries.

Publication of fourteen working documents (www.pcb.ub.es/xreap)

Celebration of two symposiums on innovation at company level and the incidence of space in the company dynamic and innovation.

Preparation of two congresses: one national, the 11th Conference on International Economy, held in 2009(www.aefii.es) and the other, international, the European Regional Science Association Conference, to be held in 2010. (www.ersa.org)

THE BUSINESS CENTRE AREA



The Business Centre Area is specialised in promoting the entrepreneurial spirit at the University of Barcelona and supporting entrepreneurs who have a company start-up project.

The Area provides assessment at the different stages of the entrepreneur's evolutionary process (from the initial idea up until company incorporation) on the projects proposed by professors, researchers, doctoral students and students in the UB's environment.

On the other hand, the area promotes entrepreneurial spirit between the academic community and students through different presentations, courses and collaborations with other institutions, such as the Entrepreneurship Chair at the UB, ACCIO (Cidem-Copca), or Barcelona Activa.

ACTIVITIES OF THE EUROPEAN ENTERPRISE NETWORK – EEN

In 2008, the IRC service was substituted by the European Enterprise Network, with which the Bosch i Gimpera Foundation continues its collaboration.

In 2008, nine new technological offers were written.

In 2008, a licence agreement was signed through the FBG and the AVCRI for a UB patent for treating muscular wear (cachexia) associated to cancer with the company Acacia Pharma Ltd.

The licensed patent is the result of research work carried out by the group of Dr Josep Maria Argilés, in the Department of Biochemistry and Molecular Biology of the Biology Faculty. The inventors who signed the patent, apart from the group director, are Drs Sílvia Busquets and Francesc López.

COMPANY START-UPS

In 2008, the FBG-UB Trampolí Tecnològic [Technological

Springboard] assessed more than sixteen new companies with a technological foundation, of which four received the CIDEM Gènesi grant, one received Capital Concepte loans and one was approved for the CDTI NEOTEC loan while two companies signed agreements with private investment funds.

CONSULTANCY ACTIVITIES FOR ENTREPRENEURS

In 2008, the Business Centre Area offered consulting services in the creation of business plans and financing for entrepreneurs with the following results:

New entrepreneurs presented to the Springboard	27
Projects assessed by the Springboard	16
Projects approved at Gènesi	4
Projects approved at Capital Concepte	1
Projects approved for NEOTEC	1
Projects that received other financing	2
Portfolio of live projects at the end of 2008	45
Companies created in 2008	4

PCB-SANTANDER BIOINCUBATOR

The Business Centre Area of the FBG, jointly with the Barcelona Science Park manages the PCB-Santander Bioincubator.

The Bioincubator was inaugurated in January 2008 through incorporation of the following companies:

- Agrasys • Omnia Molecular • Aromics • UBAN
- GENMEDICA TERAPEUTICS SL • Infinitec Activos • Biocontrol Technologies • Intelligent Pharma • Bioingenium
- Neuroscience Technologies • Endor Technologies

Through 2008 the following, additional companies were incorporated:

- Aleria • Sabir medical • Transbiomed

Programmes run throughout 2008 for companies linked to the PCB-Santander Bioincubator:

PRACTICE PERIODS IN BIOTECHNOLOGY COMPANIES

During 2008 the second stage of the Student Practice Project in Biotechnological Business Management assessed by the FBG and located within the PCB-Santander Bioincubator and the PCB.

The project, financed by the CIDEM, increased its range and allowed students from the final years of qualifications run by the Faculty of Economics and Business Science of the University of Barcelona to participate, as well as the students of the ESADE Business School, who had participated in the first edition.

A total of 8 students (3 UB and 5 ESADE) carried out remunerated, four-month practice periods in the following newly created companies in the biotechnology sector:

OMNIA MOLECULAR
NEUROSCIENCE TECHNOLOGIES
AGRASYS
BIOINGENIUM
INTELLIGENT PHARMA
INFINITEC ACTIVOS
AROMICS
BIOCONTROL TECHNOLOGIES

Also within the framework of this initiative, some supplementary initiatives were organised: two lectures from entrepreneurs within the biotechnology sector at ESADE and at the UB respectively, plus a shared tutorial with the students in order to share experiences, evaluate how knowledge is applied in business management and gather suggestions for improvement.

The programme, which was valued extremely positively by all parties involved, has the objective of approving the students in business management within the biotechnology sector, revealing entrepreneurial vocations in this sphere and forming teams of experts in managing this type of companies to increase quality, competitiveness and innovation within the biotechnology sector in Catalonia.

CONSULTANCY SERVICES FOR CUSTOMISED BUSINESSES

The FBG assigned a specialised consultant to each company in the Bioincubator who worked jointly with the

entrepreneurial team in the areas of:

Assessment of areas related to technological licensing (in- and out-licensing)

Assessment in business areas

CONSULTANCY ACTIVITIES FOR BIOTEC COMPANIES

In 2008 the Business Centre Area initiated a new business line of consultancy for companies in the biotechnology sector. It aims to boost growth and the strategic development of the companies in this environment using the experience and capabilities of the Area's consulting team.

During this first year, six consulting projects were undertaken, both in small, recent start-ups and in companies with solid foundations in financing that commissioned development of the action plans for the next five years, and in research centres in the environment that requested assistance with different management issues.

Consultancy services provided by the Business Centre Area are:

- Definition of the business model
- Evaluation and negotiation of licensing contracts in biotechnology
- Creation of business plans
- Creation of financial plans
- Requests for public and private funding: Gènesi, Capital Concepte, NEOTEC, ENISA; Institut Català de Finances
- Negotiation of investments with Business Angels and Capital Risk funds
- Due diligence in companies with a technological foundation
- Assessment of research institutions regarding spin-off creation and commercialising technologies

An example is assessment of the company CONEIX in its financing agreement with Caixa Capital Risc

The CONEIX entrepreneurs, with FBG assessment, created a strategic plan that specified the funding needs that would allow accelerated growth. The FBG's own services collaborated in negotiations with Caixa Capital Risc which opted for investment in CONEIX due to its recent trajectory and its confidence in the company's future perspectives.



PORTFOLIO MANAGEMENT OF COMPANIES WITH SHARE INTERESTS

The FBG is responsible for monitoring the spin-off companies in which the UB has shares through the company Cultura Innovadora i Científica UB (CIC-UB).

Currently the seven companies in which the UB participates are: • Thera Centre de Llenguatges i Computació, S.L. • Enantia, S.L. • Genmedica Therapeutics, S.L. • Biocontrol Technologies, S.L. • Neurotec Pharma, S.L. • Unidad Biotecnológica Analítica, S.L. (UBAN) (accounts in participation) • Oleoyl Estrone Developments (OED) (formalisation of the change of ownership of the UB's shares in CIC-UB)

PRIVATE INVESTORS NETWORK –UNIBA NETWORK

In 2008 the FBG contributed to management of the UniBA Network, the Business Angels University Network, formed by the five Catalan universities with the most extensive stake in technology transfer (UB, UAB, UPC, UdG and URL-La Salle).

The Network's mission is to promote and publicise the concept of the business angel – that individual or organisation that makes their business experience and capital available to recently created companies – to become a referent at a European level and a revitalising agent of the regional economy. The network's main objective is to introduce new or emerging

companies (spin-offs and start-ups) with a technological foundation and innovating profile that are seeking possible private investors (business angels), prepared to offer business knowledge, experience and financial support. It aims to become a reference model for the Business Angels Network and inter-university collaboration.

The concept is to bring the business sphere closer to the opportunities for research and innovation in our universities and to promote synergies between government bodies, business and universities.

In 2008, five investor UniBA meetings took place.

Ten projects were presented.

Participation on Entrepreneurship Day with the lecture "Experiències d'èxit i de fracàs dels inversors privats"

100 investors signed up.

TECHNOLOGICAL AUDITS

The project's objective is to contact the UB's research groups and detect opportunities to commercialise technologies, whether research contracts with companies, patent licences or business start-ups.

Actions carried out and results:

The protocols and process forms are summarised in the following graphic.

CALENDAR FOR A REVITALISATION PROCESS OF TECHNOLOGIES THAT CAN BE COMMERCIALISED

<p>DESCRIPTION</p> <p>The project is aimed at UB researchers, who will participate in a technological consulting process to detect the research results that should be protected or transferred.</p>						
	<p>OBJECTIVES</p> <p>The project objectives are to identify opportunities that might generate new resources for a dept./unit to become a strategic information source at institution level, motivate staff, increase knowledge and promote technology transfer.</p>					
TOOLS USED	GREC - DB	Form 1	DB	Form 2	Report	Report
TIME PERIOD	15 days	20 minutes	2/3 weeks	2/3 hours * n days	2/3 weeks	6 months / 1 year
PARTICIPANTS	C	C / D	C	C / D / ET	C	C
DELIVERY					Report	

In 2008, sixteen research groups with the potential to participate in the project from within the Biology and Chemistry faculties were selected and contacted.

Twelve technological audits were carried out.

No. of groups contacted	16
No. of initial phases run	16
No. of groups agreeing to participate	13
No. of revitalisations in search phase	1
No. of joint phases run	12
No. of revitalisations in report phase	0
No. of revitalisations in monitoring phase	12

Names of the research group with which the revitalisation process was started in 2008:

Ciencia y Tecnología de la Proyección Térmica – Dr Josep M^a Guilemany Casadamon (Materials Science Department)

FEM (Freshwater ecology and management) – Dr Narcis Prat Fornells (Ecology Department)

SDM (Medication Development Service) – Dr Josep M^a Suñé Negre and Dr Josep Ramon Ticó Grau (Department of Pharmacy and Pharmaceutical Technology)

UIBF (Biopharmaceutical and Pharmacokinetic Research Unit) – Dr Ana Cristina Calpena

Campany (Department of Pharmacy and Pharmaceutical Technology)

Smart Self-Powered Bio Electronic Systems – Dr Pere Miribel Català (Electronics Department)

Microrobotics and NanoBioCharacterization – Dr Manel Puig Vidal (Electronics Department)

Designing and Testing Integrated Circuits – Dr Ángel Dieguez Barrientos (Electronics Department)

Electro-Photonic Group: electronic and photonic devices using silicon technology – Dr Blas Garrido Fernandez (Electronics Department)

DIDPATRI (UB PROJECTS) – Dr Joan Santacana Mestre (Department of Didactics and Social Sciences)

Grupo de Geodinámica y Análisis de Cuencas – Dr Josep Anton Muñoz de la Fuente (Geodynamics and Geophysics Department)

Grupo de síntesis de compuestos nitrogenados bioactivos – Dr Joan Bosch Cartes (Pharmacology and Therapeutic Chemistry Department – Organic Chemistry Unit)

Receptores nucleares reguladores del metabolismo energético como dianas farmacológicas – Dr Juan Carlos Laguna Egea (Pharmacology and Therapeutic Chemistry Department – Pharmacology and Pharmacognosis Unit)

Economic and Environmental Geology, and Hydrology – Dr Albert Casas Ponsati (Geology, Petrology and Geological Prospecting Department)

ENTREPRENEURSHIP CHAIR

The Bosch i Gimpera Foundation has managed directly and collaborated actively with the UB's Entrepreneurship Chair since 2007, given that they both share the objective of promoting business start-ups and promoting entrepreneurial culture within the environment of the University of Barcelona.

The FBG enlisted the collaboration of the Chair in the Revitalisation Project for Innovation in Companies which has played such a significant role in obtaining official UB qualifications for both stages of the project. The director of the Chair, Dr Jaume Valls, was the academic director of the Management and Innovation in Companies Course- he was involved in course design and teacher coordination.

In 2008 the FBG participated with the chair in organising the 3rd Company Start-Up Workshop at the UB, held on 8 May 2008, with a lecture and the participation of a round table.

BOOSTING RESEARCH AND PROMOTING ENTREPRENEURSHIP



PROMOTION

In 2008 the Bosch i Gimpera Foundation organised and participated in several actions orientated towards promoting research, stimulating collaboration between the university and business in the fields of R+D+I, and fostering entrepreneurial culture in the university environment.

Below we describe the actions the FBG carried out in 2008.

CONFERENCES AND SEMINARS

CREA! Empresa was an activity promoted by the Business Centre Area of the FBG, which aimed to promote entrepreneurial spirit within the university community and publicise new professional career choices in research, localising UB entrepreneurs and learning from their professional experience. In 2008, two conference days were held and around 80 people attended each. (Barcelona, 5 March and 26 November).

Participation in the "**Primer congreso sobre la propiedad intelectual en Universidades, institutos y centros de investigación**", which was organised by the Technological University of Panama and the Ministry of Trade and Industry of Panama through the General Directorate of the Industrial Property Register in cooperation with the World Intellectual Property Organisation (Panama 22 and 23 April 2008).

Co-organisation of the **3rd Workshop in company Start-Ups of the UB**, jointly with the Entrepreneurship Chair, the Department of Economics and Company Organisation and the Employment Office of the Faculty of Economics and Business Science. (Barcelona, 8 May 2008).

Entrepreneurship Day.

The FBG is a collaborating body that organises diverse activities:

- Knowledge capsule: "Com protegir el meu projecte", Dr Pascual Segura (Director of the Patent Centre)
- "Experiències d'èxit i fracàs d'inversors privats" Organised by the Xarxa UNIBA i CAIXA CAPITAL RISC, round table of four private investors: Luis Martín, Martí Dalmasas, Ramón Puente, Josep M. Ginés, chaired by Elena Rico from Caixa Capital Risc.
- Espai Assessora't. The consultants in the Business Centre

Area participated in a consultancy round table on company start-ups.

- In the exhibition Barcelona, Recerca i Innovació the FBG was present through its Innovation Map. The companies Advancell and Infinitec Activos, assessed by the FBG, were also represented. (Barcelona, 27-28 May 2008).

Participation in the doctoral course **Gestió de la R+D i Creació d'Empreses** in the field of biomedicine and biotechnology which took place in the Biology Faculty (Barcelona, 21 to 31 May 2008).

Co-organisation with the Network OTRI of the course "**Consortium Agreement**" (Barcelona, 30 May 2008)

Participation in the Master's in "**Liderazgo y Gestión de la Ciencia**" of the IDEC (UPF) (Barcelona, 13 June 2008)

Participation in the round table "**La transferencia del conocimiento de la universidad al sistema productivo**" organised by the UB, the Autonomous University of Madrid and ANECA (Madrid, 2 October 2008).

Lecture "**La I+D colaborativa: Gestión del IPR y ayudas estatales**" as part of the "XVI Jornadas de Investigación en las Universidades Españolas" (Murcia, 15 to 17 October 2008).

Chairs in a round table discussion of companies at the conference "**Oportunitats de negoci en el sector químic-acadèmic: casos d'èxit**" within the framework of Expoquímia, a conference organised by the FBG jointly with the PCB and with the support of Biocat (Barcelona, 22 October 2008).

Lecture: **Cooperació universitat-empresa: una via per a innovar** at the conference/trade fair organised by the Centre de Negocis Nodus Barberà (Barberà del Vallès, 18 November 2008).

Organisation of the conference "**Alimentos Funcionales**" through the XaRTA (Barcelona 3 and 4 December 2008).

TRADE FAIRS AND BROKERAGE EVENTS

The Bosch i Gimpera Foundation, as the body promoting UB research to society, attended different trade fairs and

PROJECTS IN PROGRESS

symposia, both to present the UB's research grouped under business sectors and to commercialise its technological portfolio.

Smagua. (Saragossa 11 to 14 March 2008)

Expoaviga. (Barcelona 15 to 18 April 2008)

BIOSPAIN 2008 (Granada, 17 to 19 September 2008)

IFSC'08 .(Barcelona, 6 to 9 October 2008).

Expoquimia. (Barcelona, 20 to 24 October 2008)

Saló Nàutic. (Barcelona, 8 to 16 November 2008)

Fòrum BioRegió. (Barcelona, 4 December 2008)

With the objective of promoting company start-ups as a possible employment option, the FBG attended the Professional Orientation Trade Fair the UB organised in the faculties of Physics and Chemistry (Barcelona, 17 April 2007).

NETWORKING

FBG staff attended a number of events organised in 2008 on subjects concerning entrepreneurship and technology transference to sectors as diverse as pharmacy, legislation, investment, patents, energy, biotechnology and chemistry, among the most significant.

PRESENTATION OF THE FBG'S ACTIVITIES AND OPERATION

In 2008 the FBG met with different national and international institutions to explain the operation and activities that the FBG carries out:

- Delegations from the universities and technological parks of Las Palmas, Buenos Aires, Lleida, Chile, Navarra, Galicia, France, Brazil;
- Students from the programme "Master in Science and Innovation" of the Graduate School of Economics and from the Master's programme of the "School of Intellectual Capital Management" at the University of Gothenburg (Sweden);
- OECD experts;
- Delegation from the Undersecretary for Small and Medium Enterprises of the Secretariat of the Economy, Mexico;
- Delegation from the Conferenza dei Rettori delle Università Italiane (CRUI);
- Mexican companies ITESO and AgroMetrópoli;
- Representatives from the Centro de Investigación y Desarrollo Tecnológico en Algología Aplicada from the Universidad Católica del Norte de Chile;
- The Minister for Science and Technology from Costa Rica.

In late October 2008, the Ordinary Action Plan for Grant Applications to the OTRI 2004 was finalised: "Improvement in Business Competitiveness through Sector Technology Transfer", of three years' duration.

Finalisation of the coordinated action project approved by the Ministry of Education and Science to develop a virtual environment for the transfer of technology to the food sector. Jointly with the University of Girona, content was provided for the food portal CeRTAFOOD. This project was coordinated by the Institut de Recerca i Tecnologia Agroalimentària (IRTA) and lasted four years (2005–08).

Grants from the Research Results Transfer Office (OTRI) of the former Ministry of Education and Science.

OTRI 2005 GRANTS:

- Support for the research institute in nutrition and food safety of the University of Barcelona
- Project to carry out technological audits on university research groups to detect new technologies able to be patented and licensed.
- Performance of the Bosch i Gimpera Foundation-UB in the patent portfolio of Catalan universities (coordinated)

OTRI 2006 GRANTS:

- Incorporation of a commercialisation technician to structure technology transfer in the Materials Area of the University of Barcelona for the aeronautical and automobile sectors.
- Protection and commercialisation of intellectual property (software, databases) for the life sciences sector.
- Strategic Transfer Plan (PETRA) presented by the Bosch i Gimpera Foundation in December 2008 for four years in the OTRI Sub-programme of the Secretariat of State of Universities.

INSTITUTIONAL REPRESENTATION OF THE FBG



RECOGNITION

The FBG, as one of the main agents in the system for innovation of the UB, is represented on the boards of the Barcelona Science Park (PCB) and the Institut de Recerca Biomèdica (IRB) and on the Executive Board of the UB's Entrepreneurship Chair.

Meanwhile the FBG is:

- Member of the Board of the Escola Universitària d'Hoteleria i Turisme CETT-UB;
- Member of the Permanent Commission of the OTRI University Network (Research Results Transfer Offices Network of Spanish Universities) constituted as a permanent working group of the R+D Sector Commission of the CRUE;
- Coordination of RedOTRI, a role that the Director General has fulfilled since October 2008;
- Member of the evaluation committee for projects in the 7th Neotec Forum;
- Vice-presidency of the RedFUE from July 2008, a position that the Director of the Technology Transfer Area represents;
- Representative of the UB on the Evaluation Committee of the Societat Catalana d'Inversió in Empreses de Base Tecnològica SA (INVERTEC) of the Generalitat de Catalunya;
- Consultant in the business sphere of the Agència de Gestió d'Ajuts Universitaris i de Recerca of the Generalitat de Catalunya (AGAUR);
- Technical jury on the 8th Concurs d'Idees de Negoci which, organised by CIDEM, took place through 2008;
- Member of the Vicens Vives Assessment Council of the Faculty of Economics and Business Science;
- Collaborating entity in the Fundació Lace;
- European expert on the subject of the Research Results Transfer Offices (OTRI) in the European project called "Support for the International Technopark of Panama in the City of Knowledge".

SOLVAY PRIZE

Electronic NanoSystems won the SOLVAY Prize at the VIII Concurs d'Idees de Negoci, promoted by the Xarxa de Trampolins d'ACC10 CIDEM|COPCA.

The SOLVAY category is awarded to the best entrepreneurial idea related to any discipline in the field of chemistry: processes, polymers and chemical products, in all their spheres of application. Ideas related to environmental areas or to new materials are especially highly valued.

Electronic NanoSystems is a company founded by UB researchers, which develops new tools for integrating nanotechnology into consumer appliances applicable to the field of environmental control, safety and biomedicine. Electronic NanoSystems products allow the maximum benefit to be extracted from nanoreads.

The company has received decisive support from the FBG in creating its business plan and in negotiating future funding rounds that would allow it to develop its project.

YAHOO! PRIZE TRAVEL CATEGORY

The web www.arqueotur.org, dedicated to archaeological tourism, was awarded by Yahoo! Iberia with the Web Prize Revelation 2007 in the category of Travel.

Arqueotur – an archaeological tourism network was founded in 2004, promoted by professionals in archaeological and tourism spheres in different autonomous communities, coordinated by the Bosch i Gimpera Foundation of the University of Barcelona. It later received backing from the Caixa de Catalunya and the Ministry of Culture.

This website was an initiative that aims to bring archaeology closer to the general public by publicising sites that can be visited, museums holding archaeological collections, routes that can be taken, the festivals and entertainments that recreate historical events plus the service offer of the sector's specialised companies. It was deemed one of the most practical initiatives in the use of information technologies in archaeology and tourism, within a programme of active university-business collaboration. Having operated for barely more than a year, the website now receives 500 visits a day. Initially it concentrated on south-west Europe and at this time offers accessible resources and services on the Maghreb, Central America and the Caribbean. In 2008 it expanded to include the countries of Mashrek, Brazil and Peru.

CONTRACTING COMPANIES 2008

Number of organisations: 208

- Ab Biotics Producciones Industriales de Microbiotas, S.L.
ABENGOA Solar NT, S.A.
Abertis Logistica, S.A.
Acacia Pharma, Ltd.
Acciona Energia, SA.
Acuarios Oceanworld, S.L.
Adasa Sistemas, S.A.U.
Adell, Garriga ADG Advocats i Consultors, S.L.
Advanced In Vitro Cell Technologies, S.L.
Agencia de Acreditación en Investigación, Desarrollo e Innovación Tecnológica (AIDIT)
Agrasys, S.L.
Ahumados Ubago, S.L.
Alstom Transporte S.A.
Andersen S.A.
Andre Lomba
APC Europe, S.A.
Ascat-Vida, S.A.
Asociacion de Investigacion de las Industrias del Curtido y Anexas (AIICA)
Associació d'empresaris surers de Catalunya AECORK
Avanzare Innovación Tecnológica, S.L.
Banc de Sabadell, S.A.
Barcelona de Serveis Municipals, S.A.
Barcelona d'Infraestructures Municipals, S.A.
Barlesa S.L.
BASF Construction Chemicals, S.L.
Ben Peptides S.A.
Biocontrol Technologies, S.L.
Bioglane S.L.N.E.
Biometria Clinica, S.L.
Biotoools B&M Labs, S.A.
Bodega Matarromera, S.L.
Bodegas Licinia, S.L.
Bodegas Martin Codax, S.A.U.
Bodegas Roda S.A.
Bodegas Viñatigo, C.B.
Boehringer Ingelheim España, S.A.
Brita Spain, S.L.
Brudy Technology, S.L.
Caixa d'Estalvis de Catalunya
Caixa d'Estalvis i Pensions de Barcelona
Can Xifré S.L.
Castell d'Encus, S.L.
Catimperium, SCP
CCL Peninsular, S.A.
Cellerix, S.A.
Cementiris de Barcelona, S.A.
Certificaciones del Perú, S.A.(CERPER)
Cesif Consultoría, S.A.
Circutor S.A.
Clavis Pharma ASA
Codorníu, S.A.
COGNIS FRANCE
COLOMER BEAUTY PROFESSIONAL PRODUCT, SL
Coplosa, S.A.
d'Enginy Biorem, S.L.
Danone Research
Degremont, S.A.
Dermofarm, S.A.
Devinphar, S.L.
DNO
Dolmar Distribuidora Enológica, S.L.
Dominio de la Vega, S.L.
Draka Cables Industrial, S.A.
Earcrob, S.L.
eBioscience, Inc
Ecovitis, S.L.,
Editorial Crítica, S.L.
Eductrade, S.A.
Electroless Hard Coat, S.A.
Empresa de Promoció i Localització Industrial de Catalunya, S.A.
AVANÇSA
Empresa Metropolitana de Sanejament, S.A.
Enantia, S.L.
Enciclopedia Catalana, SAU
Endesa Distribución Eléctrica, S.L.
Endesa Generación, S.A.
Ens d'Abastament d'Aigua Ter-Llobregat
Ercros Industrial, S.A.
Esteve Química, S.A.
Euskal Telebista, S.A.
Euvitro, S.L.
ExxonMobil Global Services Company
Farmaprojects, S.A.
Ferrer Bobet, S.L.
Ferrer Internacional, S.A.
Forestal Catalana, S.A.
Francisco Albero, S.A. -F.A.E-
Frigoríficos Andaluces de Conservas de Carne, S.A.
Gabise, S.A.
Gaesco Gestión, S.A. S.G.I.I.C.
Gas Natural S.D.G., S.A.
Gerard Kessels, S.A.
Gestió de Residus Especials de Catalunya, S.A.
González Franco Abogados Penalistas S.L.U.
Gramona S.A
Grup Promotor, S.L.
Grup Qualitat, S.C.C.L.
Grupo Reig Jofré
Hamamatsu Photonics K.K.
Hera Amasa, S.A.
Hispano Mecano Electrica, S.A.U
HISTOPAT, S.A.
Ibérica de Estudios e Ingeniería, S.A. (Iberinsa)
Idom Ingeniería y Consultoría, S.A.



Fundació
Bosch i Gimpera
Universitat de Barcelona



Impladent, S.L.
 Industrial Veterinaria, S.A.
 Industrias Farmacéuticas Almirall Prodesfarma, S.L.
 Informes y Proyectos, S.A. INYPSA
 Innova Servicios Creativos, S.L.
 Instituto Grifols, S.A.
 Inter - American Development Bank
 Intercom Factory, S.L.
 Internacional Environmental Products Europe S.L.
 Intranox, S.L.
 Invall, S.A.
 Invesa Internacional, S.A.
 Ipsen Pharma, S.A.
 Jori de Miguel, S.L.
 José Estévez, S.A.
 Juve Et Camps, S.A.
 Kern Pharma, S.L.
 La Farga Lacambra, S.A.U.
 La Farga Tub, S.L.
 Laboratorios Casen-Fleet, S.L.U.
 Laboratorios de Aplicaciones Farmacodinámicas, S.A.
 Laboratorios Dr. Esteve, S.A.
 Laboratorios Maymo, S.A.
 Laboratorios Miret, S.A.
 Laboratorios Ojer Pharma, S.L.
 Laboratorios Salvat, S.A.
 Laboratorios Servier, S.L.
 Laboratorios Starga, S.L.
 Laboratorios Syva, S.A.
 Laboratoris Dr. Oliver Rodés, S.A.
 Lafarge Cementos S.A.U.
 Laffort España, S.A.
 Lallemand Bio, S.L.
 Lef Ingenieros
 LFS Pharm, S.L.
 LIDQO, S.L.
 Lilly, S.A.
 Lincoln KD, S.A.
 Lipotec, S.A.
 Lucta, S.A.
 MacDermid Española, S.A.
 Madaus, S.A.
 Magnesitas Navarras, S.A.
 Manpower Business Solutions, S.L.U.
 Medichem, S.A.
 Medivet Pharma S.L.
 Mevet, S.A.U.
 Miguel Torres, S.A.
 Mutua Universal
 Nanin Et Mestre, S.L.
 Neuroscience Technologies, S.L.
 Neurotec Pharma, S.L.
 Noscira, S.A.
 Oleoyl-Estrone Developments, S.L.
 Oryzon Genomics, S.A.
 Pago de Carraovejas, S.A.
 Panrico, S.A.
 Panrico S.L.U.
 Pharma Mar, S.A.Sociedad Unipersonal
 Predan, S.A.U.
 Productos Agrovín, S.A.
 Protos bodega Ribera Duero de Peñafiel, S.L.
 Prous Institute for Biomedical Research, S.A.
 Quality Chemicals, S.L.
 Química Farmacéutica Bayer, S.A.
 Química Farmaceutica Bayer, S.L.
 Química Referent al Foc
 R Biopharm AG
 Rafael Hidalgo Fernández. Farmàcia Hidalgo
 Ramem, S.A.
 Red Eléctrica de España,S.A.
 Repsol YPF, S.A.
 Roche Farma S.A
 Rofes Abogados Asociados,. S.L.U.
 Rohm and Haas Europe Services ApS-FR
 Ros Roca, S.A.
 S.A.Bros
 Santhera Pharmaceutical Limited
 Servei Incineració Residus Urbans, S.A.
 Serveis Funeraris de Barcelona, S.A.
 Serveis Integrals de Psicologia, scp. SIPS
 Shell International Exploration Production
 SIBEL, S.A.
 Societat General d'Aigües de Barcelona, S.A
 Solé-Roman Arquitectes, S.L
 Solfranc Tecnologías, S.L.
 StatoilHydro ASA
 Sugrañes Gres Catalán, S.A.
 Talleres Mecanicos Comas, S.A.
 Tau Ingenieria y Construcciones Especiales, S.A.
 Tecnología Difusión Ibérica, S.L.
 Tecnomia, S.A.
 Tejidos Elasticos Lloveras S.A.
 Telefónica de España S.A.
 Uniland Cementera, S.A.
 Unión de Cosecheros de la Bastida, S.COOP
 Unión Químico Farmacéutica, S.A.
 Urquima, S.A.
 URSA Insulation, S.A.
 Ute Ave Girona
 UTE Euroconsult Hídric
 Ute Túnel Oliola
 Vall Companys, S.A.
 Wide World Geographic Services, S.L.
 22 Arroba BCN, SAU

CONTRACTING INSTITUTIONS 2008 Number of organisations: 162

Aeropuertos Españoles y Navegación Aérea	CHDI Foundation, Inc.
Agència Catalana de l'Aigua	CIEMAT
Agència Catalana de Protecció de Dades	Col·legi Oficial de Metges de Barcelona
Agència Catalana de Seguretat Alimentària	Col·legi Oficial de Metges de Girona
Agencia de la Comunidad de Madrid para la Reeducación y Reinserción del Menor Infractor	Comisión del Mercado de las Telecomunicaciones
Agència de Residus de Catalunya	Consejo Superior Investigaciones Científicas –CSIC
Agència de Salut Pública de Barcelona – ASPB	Consell Comarcal del Baix Llobregat
Agencia Española de Cooperación Internacional para el Desarrollo	Consell Comarcal del Barcelonès
Agencia Estatal de Evaluación de las Políticas Públicas y la Calidad de los Servicios	Consell de Treball, Econòmic i Social de Catalunya (CTESC)
Agencia Nacional de Evaluación de la Calidad y Acreditación	Consell General de Cambres de Catalunya
ANECA	Consell Insular de Mallorca
Ajuntament d'Alt Àneu	Consorci Badalona Sud
Ajuntament de Badalona	Consorci de Gestio Corporacio Sanitaria
Ajuntament de Barcelona	Consorci de la Costa Brava
Ajuntament de Calafell	Consorci de la Zona Franca
Ajuntament de Canovelles	Consorci de Promoció Comercial de Catalunya
Ajuntament de Cerdanyola del Vallès	Consorci Parc de Collserola
Ajuntament de Granollers	Consorci Parc del Foix
Ajuntament de la Garriga	Cruz Roja Española
Ajuntament de L'Hospitalet de Llobregat	Diputació de Barcelona
Ajuntament de Lleida	Diputacio de Lleida
Ajuntament de Maó	Diputación General de Aragón
Ajuntament de Reus	Entitat Autonoma de Difusio Cultural
Ajuntament de Sabadell	Entitat Metropolitana de Serveis Hidràulics i Tractament de Residus
Ajuntament de Sant Cugat del Vallès	Entitat Metropolitana del Transport
Ajuntament de Santa Coloma de Cervelló	Federació Catalana de Caixes d'Estalvis
Ajuntament d'Olesa de Bonesvalls	Federació de Cooperatives Agraries de Catalunya
Arrossaires del Delta de l'Ebre i Secció de Crèdit SCCL	Federación de Caza de Euskadi
Asociación Colaboradora de Propietarios de la A.I.R. Marina de Cope	Federación de Vela de la Comunidad Valenciana
Associació Revista d'Igualada	Fédération Antadir
Autoritat del Transport Metropolitana	Fondo de Cooperación Hispano Peruano FONCHIP
Ayuntamiento de Adeje	Fundació Barcelona Digital
Barcelona Supercomputing Center – Centro Nacional de Supercomputación	Fundació Barcelona Media UPF
Cambra Oficial de Comerç, Indústria i Navegació de Barcelona	Fundacio Caixa Catalunya
Casa Asia	Fundació Caixa de Girona
CATIB – Fundació Banc de Sang i Teixits de les Illes Balears	Fundació Cidob
Centre d'Alt Rendiment Esportiu	Fundació Empresa i Ciència
Centre de Terminologia, TERMCAT	Fundació Gala – Salvador Dalí
Centre d'Estudis Jurídics i Formació Especialitzada	Fundació Gas Natural
Centre d'Innovació i Desenvolupament Empresarial	Fundació Institut de Recerca Hospital Universitari Vall d'Hebron
Centro de Investigación y Documentación Educativa CIDE	Fundació "La Caixa"
Centro Nacional de Inteligencia	Fundació Lluita contra la Sida
CETAqua, Centre Tecnològic de l'Aigua, Fundació Privada	Fundació Miguel Torres
	Fundació Observatori per a la Societat de la Informació de Catalunya
	Fundació Privada del Món Rural
	Fundació Privada pel foment de la Societat del Coneixement



Fundació R.A.C.C
 Fundación Alternativas
 Fundación Cántabra para Salud y el Bienestar Social
 Fundación Centro de Educación Superior en Oriente Medio
 Fundación Ciudad de la Energía
 Fundación Conocimiento y Desarrollo
 Fundación de las Cajas de Ahorros Confederadas FUNCAS
 Fundación Democracia y Gobierno Local
 Fundación Española de Cereales (FEC)
 Fundación INASMET
 Fundación Intered
 Fundación Investigación Médica Aplicada FIMA
 Fundación Privada Centro Internacional de Hidrología Subterránea
 Generalitat de Catalunya
 Generalitat Valenciana Conselleria de Medio Ambiente, Agua, Urbanismo y Vivienda
 Gobierno de Aragón
 Gobierno de Canarias
 Govern Balear
 Hospital Fundació de Son Llatzer
 Institut Català d'Assistència i Serveis Socials
 Institut Català de les Indústries Culturals
 Institut Català d'Energia
 Institut de Cultura de Barcelona
 Institut de Desenvolupament de les Comarques de l'Ebre
 Institut de Recerca i Tecnologia Agroalimentàries
 Institut de Seguretat Pública de Catalunya
 Institut d'Estadística de Catalunya
 Institut d'Estudis Penedesencs
 Institut Geològic de Catalunya
 Institut Menorquí d'Estudis
 Institut Municipal d'Educació de Barcelona
 Instituto de la Mujer
 Instituto Nacional de Higiene y Seguridad en el Trabajo - Centro Nacional de Condiciones de Trabajo
 Jefatura Central de Tráfico
 Laboratoire Interdisciplinaire de recherche sur les Ressources Humaines et l'Emploi
 Mancomunitat Municipis Area Metropolitana Barcelona
 Ministerio de Ciencia e Innovación
 Ministerio de Cultura
 Ministerio de Economía y Hacienda
 Ministerio de Educación y Ciencia
 Ministerio de Educación y Ciencia. CIDE
 Ministerio de Industria, Turismo y Comercio
 Museo Histórico-Minero D. Felipe de Borbón y Grecia
 Museu d'història de la ciutat
 Mutua Universal
 NARSAD Research Grants
 National Institut of Health
 Obra Social "La Caixa", Caixa d'Estalvis i Pensions de Barcelona
 Organisation for economic co-operation and development
 Organización de Estados Iberoamericanos para la Educación, la Ciencia y la Cultura
 Parc Nacional d'Aiguestortes i Estany de Sant Maurici
 Parc Natural del Cadi-Moixeró
 Parc Natural del Delta de l'Ebre
 Parc Natural Zona volcànica de la Garrotxa
 Patronat Municipal de Cultura de l'Ajuntament de Martorell
 Patronat Municipal del Museu Arxiu Tomàs Balvey i Casal de Cultura Dr. Daurella
 Patronat Municipal del Museu Granollers
 Servei Català de Trànsit
 Servei d'Ocupació de Catalunya
 Servei Meteorològic de Catalunya
 Síndic de Greuges de Catalunya
 Sociedad Española Bioquímica Biología Molecular
 Stop Accidentes
 Turisme de Barcelona
 Turisme de Catalunya
 Universidad Autónoma de Madrid
 Universidad de Monterrey
 Universidad de Sevilla
 Universitat Autònoma de Barcelona
 Universitat de Barcelona
 Universitat de les Illes Balears
 Universität Dortmund
 Universitat Oberta de Catalunya
 Universitat Politècnica de Catalunya

ORGANISATIONAL STRUCTURE

BOARD

PRESIDENT:

Hon. Mr Màrius Rubiralta Alcañiz (Jan–April 2008)
Hon. Mr Josep Samitier Martí (April–October 2008)
Hon. Mr Dídac Ramírez Sarrió (since November 2008)

FIRST VICE–PRESIDENT:

Mr Joaquim Coello Brufau

SECOND VICE–PRESIDENT:

Mr Josep Samitier Martí (Jan–April 2008)
Mr Àlex Aguilar Vié (Since November 2008)

MEMBERS:

Mr Marçal Pastor Anglada
Ms Carme Muñoz Lahoz
Mr Enric I. Canela Campos
Mr Miquel Espinosa Sáenz
Mr Joan Corominas Guerin
Mr Rafael Foguet Ambrós
Mr Jordi Roig Bonet
Mr Sergi Loughney Castells
Mr Miquel Àngel Cuevas Diarte
Mr Fernando Albericio Palomera
Mr Pablo Cigüela Ibáñez
Mr Fernando Tejerina García
Ms Elionora Solé Romeu
Mr Miquel Perdiguer Andrés

SECRETARY:

Mr Jordi Camós Grau

DEPARTMENTS

The FBG pursues its objectives through two business areas: Technology Transfer Area and the Business Centre Area. It is also supported by lateral departments: Contracting, Personnel, Administration & Finance, Technologies, Technical Office and Communications & Marketing, as well as a mixed UB-FBG office that manages the European projects.

GENERAL MANAGEMENT

TECHNICAL OFFICE – This department acts as the promoter of projects from General Management. It also provides support to other activities initiated from the FBG's business areas.

TECHNOLOGY TRANSFER – This area makes the UB's entire research potential available to companies, institutions and society with the objective of covering their scientific and technological needs, promoting technological innovation and improving competitiveness.

ENTERPRISE CENTRE – This area promotes the entrepreneurial spirit, gives support to the UB's entrepreneurs by assessing the projects proposed by professors, researchers, doctoral and other students in the UB's environment.

COMMUNICATIONS & MARKETING – This department defines, plans, coordinates and executes the FBG's Communications & Marketing strategy, as well as establishing the actions necessary to carry it out.

CONTRACTING – This area administrates and processes contracts and agreements, as well as presenting applications for subsidies and grants to public government, in order to carry out research projects, consultancies, and so on, between UB researchers and companies and institutions.

PERSONNEL – This department notifies and assesses the UB's researchers regarding the modes of employment contract possible.

They have processed over 4,000 payroll payments and 1,100 scholarship payments. They have employed 271 individuals linked to research projects and have effected almost 490 contractual transactions. They administrated 72 new scholarships in the third cycle and 17 educational cooperation agreements.



ADMINISTRATION & FINANCE – This department is divided into two areas:

Administration – Here, the Foundation's and other research projects are administrated. They register and undertake income and expenditure accounting, monitor payments, write the follow-up reports for public grants and resolve incidents with customers and suppliers.

Finance – This department budgets the Foundation's structure and supervises the Foundation's general budget.

It also establishes contact and coordination at an accounting/financial level with other entities in the group. Furthermore, this area is responsible for respecting the due dates for presentation and payment of taxes and the annual accounts through the annual audit.

The most relevant data for 2008 was issuing over 5,600 invoices, managing more than 30 million euros in income and over 26.5 million euros in payments to suppliers.

TECHNOLOGY – This department provides computing support to different areas of the organisation according to need and oversees the correct operations both of workers' applications and hardware.

In 2008, a new version and adaptation of the management tool eBusiness Suite was implemented: The FBG moved from version 11.5.8 to version 11.5.10.2. This also signified version update to the associated Oracle database from version 8.1.7 to 9.2, and of the server operating system.

INTERNATIONAL PROJECTS RESEARCH OFFICE (OPIR) – This mixed office between the UB and the FBG provides support and assessment to the UB's teaching and research staff interested in participating in EU funding programmes for research programmes and projects. It also sees to the economic administration.

In 2008 187 project proposals were presented, of which a total of 49 were granted to the total amount of €14,806,765.80.

HUMAN RESOURCES (HR)

Training focussed on staff in the FBG's structure:

No. OF COURSES	No. OF EMPLOYEES TRAINED	CUSTOMISED TRAINING	EXTERNAL TRAINING
30	All staff	6	30

It should be considered a highly positive value that everybody in the organisation undertook some form of training in 2008. What should also be considered positive is the satisfaction of staff towards the training given, as revealed by the satisfaction surveys revealed which rated the courses on average with an 8 out of 10.

This year, the training bonuses that the Fundació Tripartita grants were processed.

SELECTION

Five new positions were created (four positions covered by external personnel and one by an internal staff member). Two temporary contracts were converted to permanent (indefinito) with time modifications (part-time to fulltime) and two people carried out practice periods in our organisation.

RISK PREVENTION

The FBG undertook risk evaluation and detection of the measures to be followed in the following faculties:

Chemistry Faculty
 Employment Relations Faculty
 Mathematics Faculty

Employment positions were evaluated in the cement company Lafarge and coordinated activities were carried out with Esteve Química, corresponding to the staff employed for research projects yet located in these companies.

Training sessions were held on administrative risks for structural and research project staff, as well as staff in the Physics Faculty, related to the risks in that Faculty.

Medical check-ups were conducted for all staff who requested it.

THE FBG TEAM

The FBG employs a team of people with different qualifications: diplomatures [3-year degrees] in Business Sciences, Employment Relations, Tourism or Sociology; llicenciatures [4 or 5-year degrees] in Engineering (Industrial, Chemical, Computing), chemistry, History, Work Sciences, Economics, Biology, Humanities and Pedagogy, along with postgraduate studies, MBAs and doctorates.

Apellaniz, Anna, Administration and Management; **Berges, Maribel**, Business Centre Area; **Casamitjana, Gemma**, Contracting; **Closa, Àlex**, Technology; **Duran, Laia**, Administrative Support; **Ferrando, Anna**, Administration and Management; **Ferrer, Mariona**, Communications and Marketing; **Giménez, Lluís**, Administration and Management; **Giménez, Anna**, Administration and Management; **González, Miguel Ángel**, Technology Transfer; **Gutiérrez, Xavier**, Economic Administration of European Projects; **Hierro, Joan**, Technology Transfer; **Jiménez, Raquel**, Contracting; **Jordi, Lurdes**, Business Centre Area; **Llabrés, Marta**, Administration and Management; **Martin, Sandra**, Economic Administration of European Projects; **Mata, Yvonne**, Reception; **Morales, Pili**, Personnel Administration and Human Resources; **Navarro, Miguel**, Technology; **Orellana, Carlota**, Communications and Marketing; **Pierrá, Daniel**, Administration and Management; **Novo Teresa**, Communications and Marketing; **Plo, Teresa**, Administration and Management; **Pons, Roger**, Technology Transfer; **Riambau, Esther**, Business Centre Area; **Ros, Sergi**, Administration and Management; **Roselló, Gloria**, Contracting; **Salom, Sònia**, Administration and Management; **Sanjuán, Irene**, Economic Administration of European Projects; **Sánchez, Gemma**, Administration and Management; **Sánchez, Ariadna**, Administration and Management; **Secall, Sara**, Business Centre Area; **Segú, Maria**, Technical Office; **Segura, Marisa**, Economic Administration of European Projects; **Serdà, Berta**, Secretary to the Director; **Solsona, Mireia**, Personnel Administration and Human Resources; **Tejedor, Mercè**, Personnel Administration and Human Resources; **Tello, Sandra**, Personnel Administration and Human Resources; **Ugía, Cristina**, Communications and Marketing; **Vaquera, Margalida**, Business Centre Area; **Vega, Dolors**, Contracting; **Verdaguer, M. Carme**, Director; **Viñals, Marta**, Administration and Management.

FOREIGN PERSONNEL:

In 2008, thirteen cases of persons from outside the European Union who were to come to Spain to live and work were processed. In the majority of cases, exceptions were made to work permit for researchers as well as conversions from study permits into work permits. Persons from: Mexico, Colombia, Bulgaria, Japan, Bolivia, Chile, Ecuador and the USA.

SURVEY ON EMPLOYMENT CLIMATE:

In July a survey was carried out to evaluate professional satisfaction, voluntary for all structural employees in the FBG. The objective was to gain a detailed view of the satisfaction level of employees with each of the most relevant aspects of their collaboration with the institution in order to be able to fine-tune future policies for retention and motivation.

At the FBG we continue to strive to enable integration of family and professional life for all staff as well as integration of disabled persons.