

FUNDACIÓ BOSCH I GIMPERA

Report 2014



Fundació
Bosch i Gimpera
Universitat de Barcelona

.....

FUNDACIÓ BOSCH I GIMPERA

.....

Report 2014



Fundació
Bosch i Gimpera

Universitat de Barcelona

Fundació Bosch i Gimpera

Parc Científic Barcelona. Torre D
Baldri Reixac, 4-8 · 08028 Barcelona
Tel. +34 934 039 900
Fax +34 934 489 434
fbg@fbg.ub.edu
www.fbg.ub.edu

Miembro de:



Con el soporte de:

**Edición**

Publicacions i Edicions
de la Universitat de Barcelona

Depósito legal: B-20.572-2015

Depósito digital UB: <http://hdl.handle.net/2445/57925>

Table of contents

6	Presentation
8	Activity indicators
10	Research projects and services
11	Research projects with competitive funding
14	Valorisation
16	Administration and management of research and knowledge transfer projects
17	Promoting university-society collaboration
22	The institution

Presentation

I am pleased to present the activity report of the Fundació Bosch i Gimpera (FBG) for the year 2014.

In 2014, the overall revenue was € 33.4 million. The agreements signed with companies, public administrations and institutions show a clearly positive trend with an increase of 28.4% compared to the same period in 2013. More than 700 companies and institutions in more than 30 countries have developed R & D & I projects with the University of Barcelona through the Fundació.

The proactive initiative displayed by the Fundació has yielded positive results, as shown, among others, by the eleven licensing contracts signed and the three technology-based spin-offs created.

In 2014, the FBG participated in various **national and international fairs** to promote the research conducted at the University of Barcelona. There, the FBG promoted the scientific and technological offer of the UB, grouped by business sectors and commercialized the UB's technology portfolio. In addition, the FBG has also actively participated in several of the **sectoral clusters** of the programme 'Catalonia Clusters', sponsored by ACCIÓ.

The second **Networking & Innovation Day** was held on 27 November. This event is a point of reference for the promotion of open innovation in the UB Group, and is organized jointly by the University of Barcelona, the Barcelona Science Park (PCB), the FBG and the scientific and technological centres of the UB. About 200 participants from 100 public and private entities

from the world of research and business gathered at the PCB to explore new forms of university-industry collaboration, promote R & D cooperative projects and foster open innovation.

Moreover, the FBG has developed, in collaboration with the UB, a protocol to help researchers who want to fund research projects through **crowdfunding**. In this regard, the website of the FBG has created a space for the promotion of these projects.

At the organizational level, in 2014 we have grouped the areas of contract research, valorisation and business creation under one structure—the department of **Innovation and Knowledge Transfer**—to promote these areas and encourage transversality between the different forms of knowledge transfer.

The FBG participated in the drafting of the proposal of **EIT Health**, a winning project at the call for the new Knowledge and Innovation Community (KIC) of the EU, through the European Institute of Innovation and

Technology (EIT). EIT Health is a consortium comprising a total of 144 companies, universities and research centres from 14 European countries. The local branch, EIT Health Spain, led by the University of Barcelona, comprises 25 leading companies in their sector, all of them committed to health innovation.

To conclude, I would like to thank once again all the people who have participated in the activities and the results we present today—trustees, UB researchers, companies and institutions, and the whole team of the Fundació Bosch i Gimpera—for your support, your commitment, and your enthusiasm.

M. Carme Verdaguer
General Manager (June 2007 – July 2015)



THE LINK BETWEEN RESEARCH AND SOCIETY

The Fundació Bosch i Gimpera (FBG) is the centre at the University of Barcelona (UB) devoted to knowledge transfer, technology and innovation. The FBG promotes the research generated at the UB and by the entities within the UB Group, and works to ensure that the results of this research reach society through the creation of knowledge-driven companies, patent licensing and contracts with companies and institutions—for the realization of R&D projects, the development of advisory and consultancy tasks, the production of studies, reports or opinions, technical support and analysis services. The FBG is the Valorisation Unit of the UB and is supported by ACCIÓ, the agency of the Government of Catalonia that fosters competitiveness among Catalan companies.

Activity indicators

757

active projects
(740 in 2013)

€33.40

million
(€39.22 in 2013)

723 companies and public institutions
have developed R&D&I projects with the
University of Barcelona

585 companies

81% national

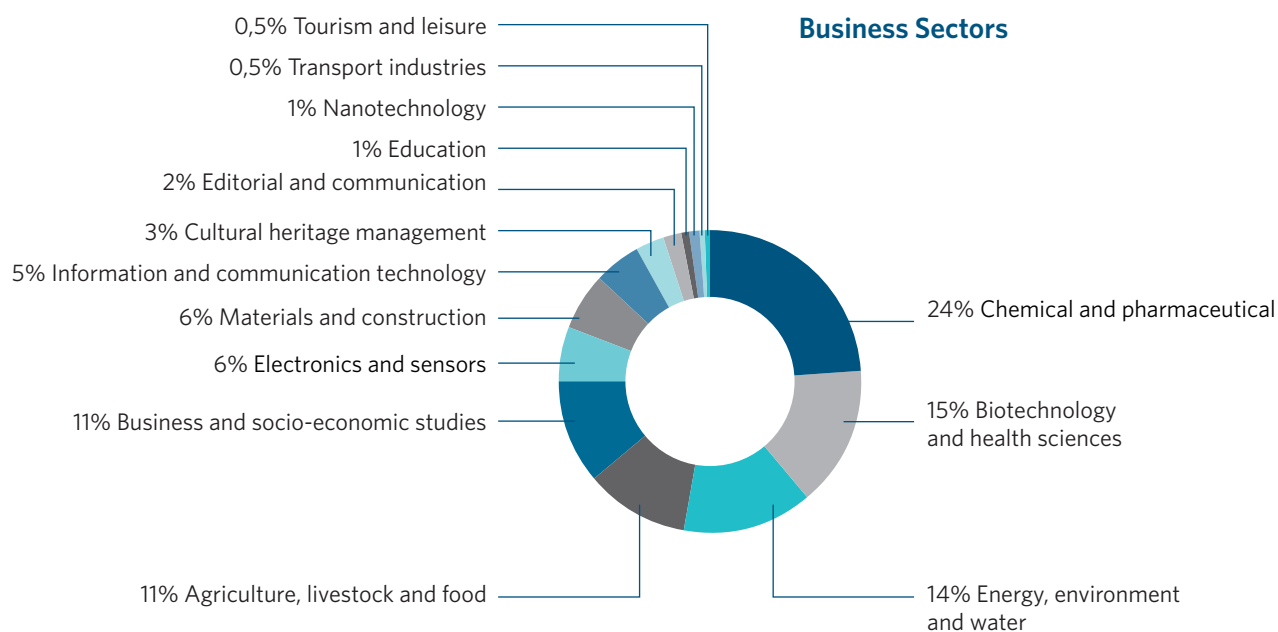
19% international

138 institutions

80% national

20% international





339 people hired in relation to research projects

95.5% EU nationals

4.5% Non-EU nationals (Chile, Colombia, Iran, Lebanon, Morocco, South-Africa and Turkey)

Patent protection, valorisation and licensing

55

Invention notifications

(45 in 2013)

16

Priority patent applications

(18 in 2013)

15

International patent applications

(8 in 2013)

11

Licensing contracts signed

(10 in 2013)

Business creation and support for the entrepreneur

22

Business creation ideas received

(31 in 2013)

32

Entrepreneurial projects advised

(27 in 2013)

3

Technology-based companies created:

- Physicaltech, SL
- Transplant Biomedicals, SL
- Almodis Solutions, SL

(3 in 2013)

1

New spin-off shareholding through CIC-UB:

- Impetux Optics, SL

(3 in 2013)

Accumulated figures of UB's spin-offs

Net sales in 2014: € **20.05** million

162 people hired in 2014

Research projects and services

THE FIGURES:

621

projects and services

€11.73

million

Projects jointly developed by research groups, departments and research institutes of the University of Barcelona and public and private entities—such as collaborative or commissioned R&D, advisory and consultancy work for third parties, the production of studies, reports or opinions and technical support and analysis services, among others—numbered 621, which generated revenues of € 11.73 million. Some 425 of them, generating total revenues of € 10.06 million, were research projects commissioned by companies or public administrations and involving the scientific, technical and artistic expertise of research groups of the University of Barcelona. The other 196 were agreements for the delivery of technical services—minor tasks, usually analysis services, laboratory services, opinions, etc—that generated total revenues of € 1.67 million.



Jordi Renom, a professor at the Department of Methodology of Behavioural Sciences of the Faculty of Psychology, has coordinated the educational programme Barcelona World Race Ocean Campus. This programme offers educational resources based on a centre of interest, cross-curricular learning and adventure, that can be useful during the whole schooling cycle, from childhood education and elementary school to undergraduate and postgraduate university programmes.

Research projects with competitive funding

THE FIGURES:

Research projects with public and private funding:



Research projects funded by the European Commission:



In 2014, the FBG was awarded 32 grants that amounted to € 1.89 million and were funded by public and private institutions.

The funding bodies and funded research projects are as follows:

ACCIÓ Competitiveness in Business

- Portable device for molecular diagnostics.
- On-chip electrical flow cytometry for cancer cell detection cell-check.
- Novel intermetallic coatings for high temperature oxidation resistance.
- Valorisation Unit FBG-UB.

City Council of Villafranca del Cid

- Management, curation and coordination of the project "Preventive conservation and enhancement: Rock shelter of Covatina del Tossalet del Mas de la Rambla or Barranc de les Carabasses".

Catalan Association of Public Universities (ACUP)

- Citizen Science: Education and Research.
- Youth's science and technology-related experiences outside of school as a source of influence.

CIMMYT

- HTPPs and open-source image processing tools for maize foliar disease assessments.

European Science Foundation

- Holographic methods for strongly coupled systems.

Euvitro, SL (Clinica Eugin)

- Sperm cell proteome and identification of diagnostic and prognostic biomarkers in infertile patients.

Barcelona Zoo Foundation

- Impact of predation of the Spanish toothcarp (*Aphanius iberus*) and the eastern mosquitofish (*Gambusia holbrooki*) in invertebrate communities of coastal lagoons polluted by nitrates.

- Adaptations and alterations in the use and the spatial and social organization of trophically stable urbanized environments: The case of the red squirrel in intra-urban habitats of Barcelona and the agricultural habitats of the metropolitan area.

Banco Bilbao Vizcaya Argentaria Foundation

- Restoration pilot project to alleviate the effects of discharge of WWTPs (wastewater treatment plants) in intermittent rivers.
- Technological collaboration and innovation networks. Determining factors and effects on the competitiveness of Spanish companies.
- Gender Violence 2.0.

Biodiversity Foundation

- Pilot monitoring centre of biodiversity of Mediterranean mountains: Development of indicators of environmental change, monitoring protocols and applications to conservation.

Mapfre Foundation

- Professional qualifications of actuaries: An international comparative study.

Maria Francisca Roviralta Foundation

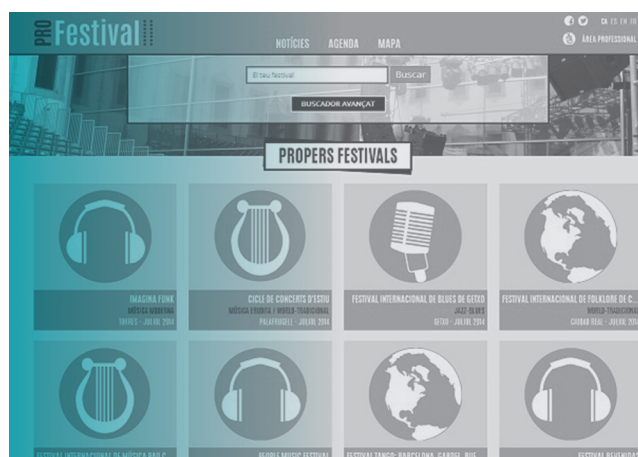
- Collaboration with the project "Joint research platform on childhood tuberculosis between the UB and the Hôpital Saint-Damien (Haiti): Identification of risk factors that optimize the prevention, control and treatment of childhood tuberculosis".

Ramón Areces Foundation

- Type of centre, autonomy and grade repetition: Identifying effective policies to improve educational quality.

Government of Catalonia, Department of Business and Employment

- *Consolida't* programme for the support of the consolidation, strengthening and reinvention of self-



The researchers Lluís Bonet and Tino Carreño, members of the Cultural Management Programme of the UB, created Profestival.net, the first online portal of tourist and cultural dissemination that includes all the festivals organized in Spain. The project has been selected as one of the 100 best ideas of 2014 by the magazine *Actualidad Económica*.

employment as part of the *Catalunya Emprèn* programme.

Institut de Cultura de Barcelona

- Profestival.net – Platform for the dissemination of artistic festivals.

Instituto de Estudios Fiscales

- The impact of public debt on economic growth in EMU countries.

International Nut and Dried Fruit Council (INC)

- Association between dietary nuts exposure and cognitive decline over a three-year period in older adults: the InCHIANTI study.

Spanish Ministry of Economy and Competitiveness – Collaboration Challenges

- Research and development of new TT-173-based fibrin hemostatics and sealants.
- DIGITAL - Diagnosis, monitoring and treatment of patients with genetic diseases included in newborn screening programmes and other rare metabolic diseases.
- Joint development of a drug in the form of a sustained-release matrix for the treatment of basal cell carcinoma.
- Development of new anti-tumor therapies of high efficacy and specificity and low toxicity for oral administration.
- Development of a design kit of ceramic LTCC technology: modeling, simulation and manufacturing of components and circuits, and design methodology.
- Better At Home Platform - Telecare solution (indoor & outdoor) based on monitoring through sensors, mobile technology and self-learning systems.

Spanish Ministry of Education, Culture and Sport

- Mobility grant for a stay in Montpellier (France).
- Mobility grant for a stay in London (United Kingdom).

The Michael J. Fox Foundation for Parkinson's Research

- Gene-gene interaction analysis of the mTOR pathway in L-Dopa-induced dyskinesia.

As for research projects funded by the European Commission, 280 proposals were presented in 2014 and 45 contracts were signed, their revenues amounting to € 15.95 million; among these projects, 18 have been funded by the Framework Programme, with

a revenue of € 11.57 million, and 11 fall outside the Framework Programme, with a revenue of € 4.38 million.

The following projects are especially remarkable:

The coordination of one European project, totaling € 2.98 million, by the UB:

- **IMPACT – EV**: Development of a permanent system of selection, monitoring and evaluation of the various impacts of social sciences and humanities research.

The awarding of four European Research Council (ERC) grants, one Advanced Grant (Adv) for an amount of € 2.43 million, two Starting grants (St) for a total amount of € 2.72 million, and a Proof of Concept grant for an amount of € 149,946:

- **EPNet (Adv)**: A project that brings together historians and physicists to study the food trade in the Roman Empire.
- **DynaMO (St)**: A project that aims to reveal fundamental concepts of statistical mechanics and condensed matter.
- **BetterSense (St)** aims to solve two major problems associated with current gas sensor technologies: high energy consumption and poor selectivity.
- **SERE (Proof of Concept)**: Virtual reality to simulate social conflict situations.

Valorisation



We commercialize the industrial and intellectual property of the UB through patent protection, valorisation and licensing, and the creation of knowledge-driven spin-offs. In 2014, our portfolio included over 100 patents to transfer and 33 spin-offs.

Valorisation and licensing

- 55** inventions notified
- 55** patent applications
- 16** priority patent applications
- 15** international patent (PCT) extensions
- 24** patents in national phases abroad
- 96** active transfer projects
- 11** licensing contracts signed
- 3** software registers
- 17** material transfer agreements

Technology-based companies

- 22** business creation ideas received
- 32** entrepreneurial projects advised
- 3** technology-based companies created

Patent protection, valorisation and licensing

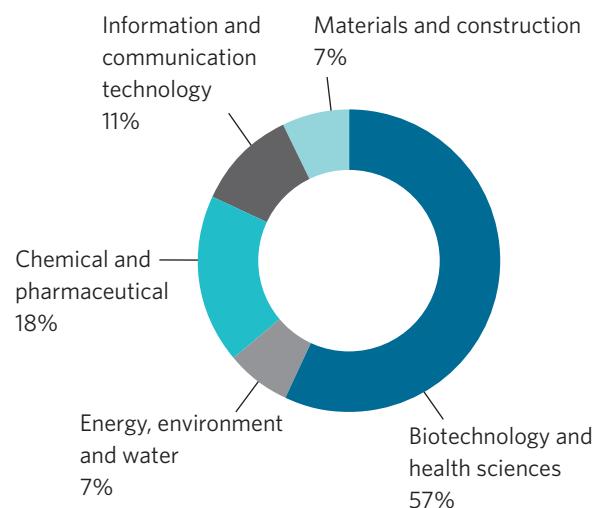
As for patent protection, valorisation and licensing, 11 licensing agreements were signed in 2014. The revenues generated by some of these licences, and some others signed in previous years, amounted to € 320,070.53—€ 189,546.73 correspond to the FBG and € 130,523.80 to licensing contracts managed by the UB (GREC software licences). The technologies

licensed in 2014 were: two “Ready to Learn UB” computer programmes; two hybridomas producers of monoclonal antibodies directed against leukocyte membrane molecules (clone CD38.14.27 and clone mCD84.7); one glycoprotein to protect liposomes; automatic postural recognition software to be used in physiotherapy; one method for diagnosing a neurological disease; new propargylamine derivatives for neuroprotective treatment for Alzheimer’s and Parkinson’s diseases; methods to identify, diagnose and predict the survival of lymphoma; liposomes suitable for the release of bioactive compounds and a computer-implemented method for assessing vascular networks from medical images.

24 patents entered the national phases in 10 countries. 3 software technologies were registered in the digital repository of the UB. 14 co-ownership contracts were negotiated and signed with other institutions.

THE FIGURES:

UB patent applications by sector



In 2014, 17 material transfer agreements have been revised and signed. Material transfer agreements govern the transfer and use of tangible research materials between two entities.

Technology-based companies

The technology-based companies created in 2014 were:

- **Physicaltech, SL:** Development and marketing of a clinical diagnostic system for the automatic 3D analysis of body posture to be used in rehabilitation. The company is a spin-off of the UB.
- **Transplant Biomedicals, SL:** Development and commercialization of medical devices related to organ transplantation in metabolic liver and kidney diseases.
- **Almodis Solutions, SL:** Oceanographic consulting services for commercial and recreational navigation based on Earth observation satellites.

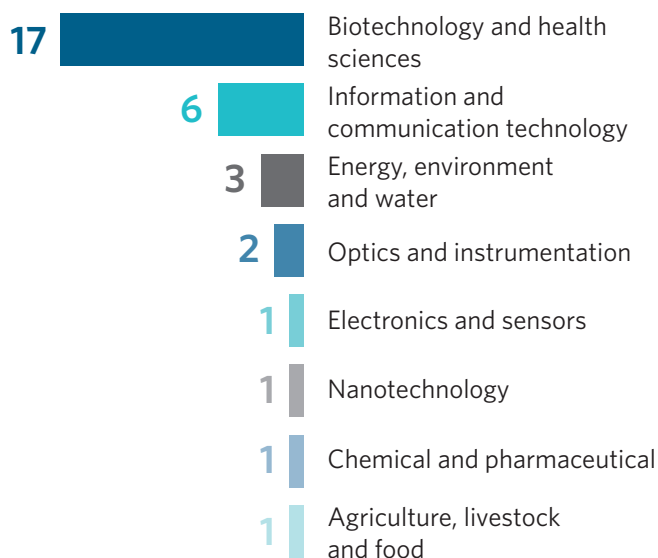
Futhermore, 32 projects were advised, including new entrepreneurial and business plan projects and companies in which the UB has a shareholding. The companies Braingaze, Iproteos, Genmedica Therapeutics, Advanced Nanotechnologies, Dapcom-Data Services and SM Genomics, advised by the FBG,

have obtained public and private funding and several awards.

The FBG is responsible for monitoring UB-affiliated spin-offs through the society **Innovative and Scientific Culture UB (CIC-UB)**. In 2014, CIC-UB became a shareholder in the company Impetux Optics, SL in exchange for the initial contribution of a patent family of the UB. In 2014 the UB has a shareholding in 11 active companies through CIC-UB: Enantia, SL; Genmedica Therapeutics, SL; Biocontrol Technologies, SL; Immunovative Developments, SL; Iproteos, SL; Advanced Nanotechnologies, SL; Smalle Technologies, SL; Endoasic Technologies, SL; Dapcom-Data Services, SL; Braingaze, SL, and Impetux Optics, SL.

In 2014, the FBG has actively participated in the **Barcelona UB Entrepreneurship Institute (BIE)**, jointly founded by the FBG and the UB. Among other actions, the FBG supported entrepreneurs and participated in the steering committee and the launch of the first edition of the *Emprèn UB* award, aimed at innovative business ideas led by UB students.

Advised business creation projects by sector



Administration and management of research and knowledge transfer projects

Revenues from activities totalled € 26.35 million, € 14.25 million of which correspond to revenues from services and € 12.10 million to public and private grants.

In 2014, the FBG managed **41 UB programmes and services**, which generated € 3.64 million. Some of these programmes are: the Energy Sustainability Chair, internship programmes, the educational cooperation programme EUS (Business - University - Society), the Barcelona UB Entrepreneurship Institute (BIE), the research centre Observatory of Bioethics and Law, the Barcelona University Centre, and several seminars and conferences.

During the last year, the FBG employed 339 people in relation to research projects: 203 in national projects and 136 in European projects.

As for the Occupational Safety and Health Service, its personnel visited 71 entities and assessed 67 work

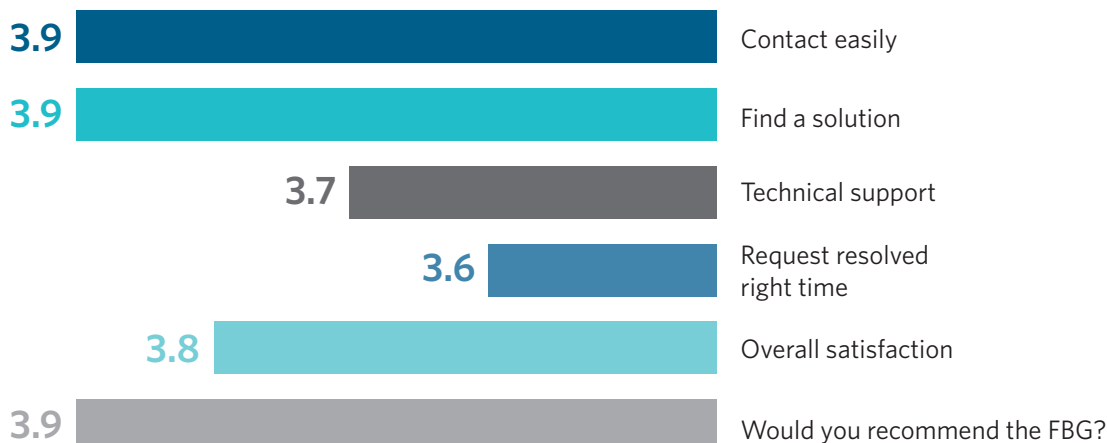
centres. The workplaces of 73% of the 522 workers and grant holders hired by the FBG have also been assessed.

A satisfaction survey was also conducted among UB researchers in order to improve the services provided to them by the FBG.

The survey was sent to 331 project leaders whose projects finished in 2013, researchers with projects that have generated patents or licensed projects, and researchers advised by the FBG in the matter of business creation during 2013.

The participation was 15% and the overall assessment was **3.8** (where 1 corresponded to *unsatisfactory* and 5 to *very satisfactory*).

General assessment of the FBG



Promoting university-society collaboration

We promote the research of the UB in the fields of humanities, science and technology, and look for companies that need the know-how and the expertise of UB research groups to develop their R&D projects and bring to market the resulting technologies, or wish to develop a joint research project with the UB. We support researchers in the promotion of their research and projects, and disseminate activities and success stories with the aim of bringing the third mission of the University—knowledge transfer—closer to society.

Trade fairs

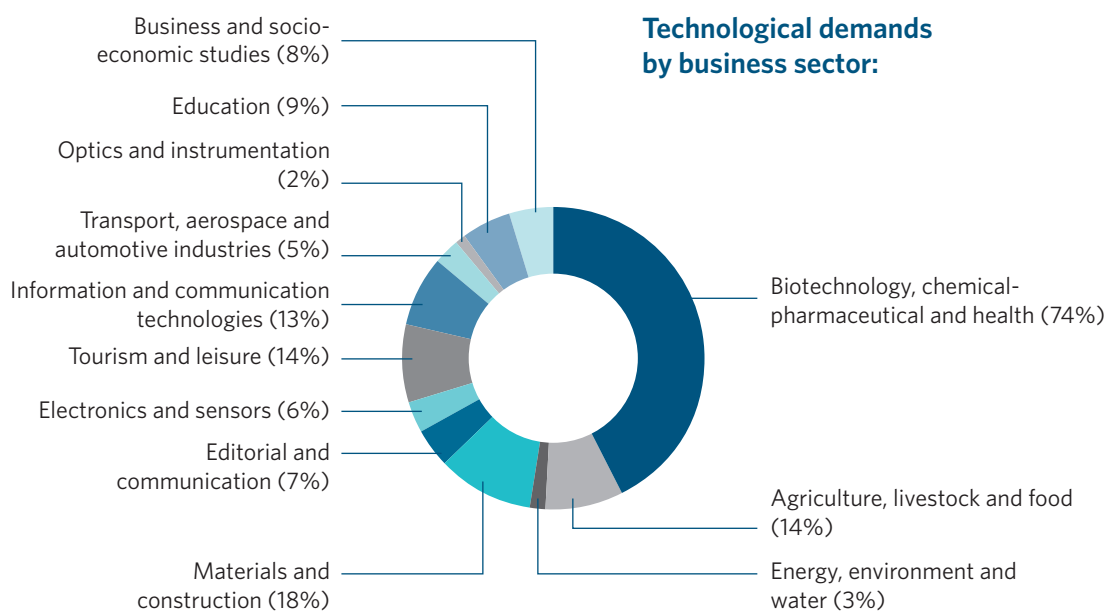
Fairs attended in 2014:

Mobile World Congress; Saló de l'Ensenyament; BigData Week; Festival Ciència, Tecnologia i Innovació; Brokerage Forum sobre Tecnologies de les Ciutats del Futur; Saló Internacional del Turisme; Genera; Expoquímia; Biospain; BCN Rail/Smart City Expo/EVS27; MEDICA.



Technological demands

The promotional activities carried out by the FBG have resulted in the identification of 173 technological demands, which have led to the signature of 41 research contracts, generating revenues over € 1.9 million.



Catalonia Clusters Programme

During 2014 we stayed in contact with seven of the main clusters identified by ACCIÓ—in accordance with the sectors considered as key by the University of Barcelona—with a view to the inclusion in their structure of research groups of the UB and the Reference Networks of the Government of Catalonia, and to be able to actively participate in the various business sectors in order to define new collaborative projects at both national and European level.

The clusters with which we stayed in contact during 2014 were:

Beauty Cluster Barcelona, Medical Technologies Cluster, RailGrup (Railway Cluster), Catalan Water Partnership (Water Cluster), Advanced Materials Cluster, Functional Food Cluster, Gourmet Food Cluster.

Centre of innovation and advanced technologies (CITA-UB)



The CITA-UB is a centre created in order to gather UB research groups that have been awarded the TECNIO

Total turnover:

€ **11.1** million

Funding source: **65%** public -

35% private

29 European project proposals submitted;
6 projects granted funding

3 priority patent and PCT applications

1 patent transferred to a company

quality hallmark, promoted by ACCIÓ. Its goal is to become a meeting point for these excellent groups and those companies interested in developing R&D&I projects.

In 2014 the CITA-UB promoted the capabilities of TECNIO-UB centres by attending trade fairs related to their fields of expertise (Expoquímia, Smart City Expo, Mobile World Congress, Genera) and participating in the sessions of bilateral meetings with companies that are organized during such fairs.

Along the same lines, CITA-UB participated in the various activities organized by the four clusters to which it belongs: the Catalan Water Partnership (Water Cluster), the RailGrup (Railway Cluster), the Advanced Materials Cluster and the Beauty Cluster (Cosmetics Cluster). These activities, and the active participation of the centre in the different commissions it belongs to, have helped promote several public-private R&D&I projects.

Government of Catalonia Reference Networks



In 2014 the FBG has managed six of the eight Reference Networks of the Government of Catalonia:

Some 31 national and European projects were proposed to UB research groups, while 19 projects were proposed to other universities; the national and European contracts signed by UB groups numbered 15 and amounted to € 198,231, whereas the groups of other universities signed seven contracts that amounted to € 341,710.

Crowdsourcing

The FBG and the UB have jointly developed guidelines to help researchers wishing to launch crowdfunding projects. These guidelines provide information on how to proceed when seeking funding, as well as the legal mechanisms needed to receive donations. The guidelines are available on the websites of the FBG and the UB. In addition, the website of the FBG has created a space where UB projects that seek (or have sought) funding through donations are listed. One example is the **“Search for the gene responsible for the Opitz C syndrome.”**



“We felt a great enthusiasm, a great recognition, and a deep gratitude towards all those who helped us. It was a great surprise to see done something that seemed impossible, and a great relief to know that we can go forward with our research.”

Dr. Susana Balcells,
Faculty of Biology

Networking & Innovation Day 2014



The second edition of the Networking & Innovation Day, a reference meeting space for the promotion of open innovation within the UB Group, was held on 27 November 2014. The event was jointly organized by the University of Barcelona, Barcelona’s Science Park (PCB), the Fundació Bosch i Gimpera and the scientific and technological centres of the UB.

Nearly 200 representatives of 100 public and private entities of the research and business worlds gathered at the PCB to explore new ways of business-university collaboration, promote collaborative R&D projects and foster open innovation. This event included two round tables and almost 300 parallel partnering meetings that were attended by researchers, investors and executives of leading technology sectors.

Awards of the UB Social Council and the Fundació Bosch i Gimpera

The award ceremony of the prizes of the UB Social Council and the Fundació Bosch i Gimpera took place on 9 December 2014. The rector of the UB, Dídac Ramírez, the president of the Social Council, Salvador Alemany, and the general manager of the Fundació Bosch i Gimpera, M. Carme Verdaguer, took part in the event, which was also attended by Dr. Manel Steller, the director of the programme of Cancer Epigenetics and Biology of the Institute of Biomedical Research Bellvitge (IDIBELL).

The winners of the seventh edition of the awards of the UB Social Council and the Fundació Bosch i Gimpera were:

- **Antoni Caparrós prize for the best knowledge transfer project: “Environmentally sustainable waste management of the incineration of municipal solid waste (MSW)”**, submitted by Dr. Josep M. Chimenos Ribera, a member of the research group Design and Optimization of Processes and Materials



(DIOPMA). This project is the result of a collaboration with the company Servei d'Incineració de Residus Sòlids Urbans, SA (SIRUSA) that began in 1993 and has had a clear impact on the environment: The valorisation of residues and by-products generated during the incineration of solid waste and their reuse as secondary materials in the construction and civil works sectors.

The programme **“Cascade training in donation and transplantation of organs and tissues,”** presented by Dr. Martín Manyalich Vidal, professor of the Faculty of Medicine of the UB, president of the DTI Foundation (Donation & Transplantation Institute)—based at the PCB-UB—and transplantation consultant at the Hospital Clínic of Barcelona was awarded an honorable mention in this category. This programme is based on the idea that education is the key to improving organ donation, as the Spanish model, which achieves the highest donation rate in the world, shows.

- **Senén Vilaró prize for the best innovative business:** **Endor Nanotechnologies, SL** is a company based on a technological platform focused on metallic nanoparticles (mainly gold, silver and platinum) modified with organic molecules at the surface scale in order to obtain advanced nanosystems with specific functions. The special features of metallic

nanoparticles allowed them to investigate different ways of operating: medical application programmes centered around the field of oncology that reach the market through the pharmaceutical industry, and development programmes of dermatological applications, such as regular cosmetic treatment products and other new applications.

Seminars to promote knowledge transfer among researchers

In 2014, the FBG organized two seminars to promote the various forms of knowledge transfer available to researchers in order to bring their research to market; 96 people attended these events.



«Sabies que ...?» (“Did you know ...?”)

The aim of this project is promoting the capabilities of the research groups of the University of Barcelona through posts published at the website of the FBG and linked to a brochure that highlights their expertise and is specifically designed by the research group.

The research of 14 groups has been publicized in 2014:

Adaptabit; Territorial Analysis and Regional Development (ANTERRIT); Cultural Heritage Preservation-Restoration; DATE; Cultural Heritage Didactics (DIDPATRI); Archaeologic and Archaeometric Research Team (ERAAUB); Studies on Academic and Professional Discourse (EDAP); Barcelona Group...; Translational Immunology in Dermatology, Allergy and Chronic Inflammation; Laboratory of Interactive Media (LMI); Laboratory of Applied Economic Transfer (AQR-LAB); Neuroimage Analysis (NIA); Advanced Studies on Violence (GEAV), and Environmental Restoration of Quarries and Slopes.

Press and web

We explain the capabilities and research projects of UB researchers to make visible the economic and social value they bring to companies and society, and the role of the FBG as a link between the University and society.

In 2014 our impact on the media resulted in 345 publications related to the activities and success stories of the FBG; 42,386 users visited our website, and 491 visited our social profiles.



The institution

BOARD OF TRUSTEES

Mr Dídac Ramírez, chair
Mr Salvador Alemany, first deputy chair
Mr Josep A. Plana, second deputy chair
Mrs Isabel Miralles, secretary
Mr Jordi Alberch, board member
Mr Jordi Codina, board member
Mr Enric I. Canela, board member
Mr Manuel Artís, board member
Mr Joan Corominas, board member
Mr Alexandre Blasi, board member
Mr Pere Lluís Cabot, board member
Mr Pablo Cigüela, board member (until June 2014)
Mr Luis Herrero, board member (since June 2014)
Mr Miquel Perdiguier, board member
Mr Jordi Roig, board member
Mr Fernando Tejerina, board member

WHERE ARE WE?

The Fundació Bosch i Gimpera is represented by its general manager in the boards of trustees of the University School of Hospitality and Tourism (CETT-UB), Barcelona's Science Park (PCB) and the Biomedical Research Institute (IRB). We are also members of the advisory board and steering committee of the Barcelona UB Entrepreneurship Institute (BIE), jointly founded by the FBG and the UB, and members of the monitoring committee of the Energy Sustainability Chair.

We also belong to the advisory committee for international issues of RedOTRI, we represent the UB in the Enterprise & Innovation Community of the League of European Research Universities (LERU), and we are members of the advisory board of the sixth "Managing Creativity in the Innovation Society" Summer School, and members of the jury of the *BioEmprendedor XXI* and *EcoEmprendedor XXI* programmes.

We participate in national and international forums, thus contributing to the improvement of laws, regulations and public funding concerning the transfer of knowledge. We participate in the most significant events related to entrepreneurship, technology transfer, patents, R&D and investment funds, among others, in various business sectors such as the automotive sector, pharmaceutical industry, health, environment, energy, construction, and tourism and culture industries.

Thanks to our more than 30 years of experience in knowledge transfer, every year we welcome to our facilities several institutions, both national and international, that want to learn about our work and the activities we perform.

WHO ARE WE?

Staff of the Fundació Bosch i Gimpera

General Management: M. Carme Verdaguer, general manager; Berta Serdà, secretary. **Technical Office:** Maria Segú, head. **Communication and Marketing:** Mariona Ferrer, head. Team: Carlota Orellana, Cristina Ugía and Judith Calabuig*. **Management:** M. Teresa Plo, manager. **Administration, Financial Management and General Services:** Sergi Ros, head of administration; Ana Giménez, head of financial management. Team: Anna Apellániz, Digna Cárcoba, Yvonne Mata, Pau Pastor*, Daniel Pierrá, Sònia Salom, Gemma Sánchez, Cristina Serra, Marta Tort and Elisabeth Vico. **Human Resources, Health and Safety:** Mercè Tejedor, head. Team: Lydia Fernández*, Pili Morales, Mireia Solsona, Sandra Tello and Marta Viñals. **Technology:** Àlex Closa, head. Team: Miguel Navarro. **International Research Projects, UB-FBG mixed office:** *FBG - Financial management:* Xavier Gutiérrez, head. Team: Núria Benítez, Anna Ferrando, Víctor Linares, Sheila López, Montse López** and Sandra Martín. **Innovation and Knowledge Transfer:** Lurdes Jordi, director. **CITA-UB:** Joan M. Roca, director. **Contracts:** Gemma Casamitjana, head. **Contract Research:** Salvador Mena, head. **Valorisation and Licensing:** Inma Íñiguez, head. **Business Creation:** Esther Rimbau, head. Team: Eva Bordas*, Jose Conde, Mar Corominas, Laia Crespo, Isabel Durán, Belén Gámez, Raquel Jiménez, Eva Martín, Gloria Roselló, Nahuel Statuto*, Jordi Vallés and Dolors Vega. **Strategic Projects:** Joan Hierro, director. *Staff related to the Reference Networks of the Government of Catalonia:* Silvia Chellini, Karsten Kruger, Lali Sanz, Josep Pascual, Raül Porcel and Gemma Hernández.

(*) Interns. - (**) Replacement of staff on maternity or temporary incapacity (TI) leave.

