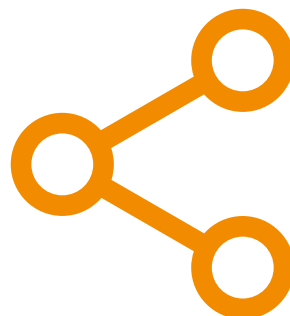
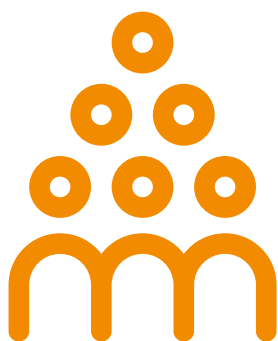


2020 Activity Report



Bosch i Gimpera
UNIVERSITAT DE BARCELONA

**“In order to be successful,
research must have a positive
impact on society”**

Bosch i Gimpera Foundation

2020 Activity Report

Edition:



With the support of:



Presentation

I am pleased to present the FBG activity report for 2020, a year marked, on the one hand, by the Covid-19 pandemic and, on the other, by a change in the way we work.

Following the lockdown decreed in March, at the Foundation we implemented remote work. Moreover, we did so in a fast and agile way in order to continue supporting the research community of the UB in tasks of promotion, assessment, and management, so that the transfer of knowledge and technology could be a key piece in the fight against Covid-19 and, at the same time, in order to be able to offer solutions to the health, economic, and social crisis. In this report you will find some of the most significant projects related to Covid-19 that have been developed by the research groups of the University of Barcelona with the support of the FBG.

Despite the lockdown and the constraints of remote work, we have continued to organise activities to promote collaboration between the University and the business world in an on-line format. Among these activities we would like to highlight the following:

- The sixth edition of Science + Partners, focusing on health and life sciences.
- The fifth edition of the Fund for the Promotion of Innovation, an in-house funding scheme with two modalities, namely the Valorisation Fund and the Mentor in Residence programme.
- The Open Innovation Forum, an Open Innovation programme that allows companies to find solutions to their innovation challenges in UB research groups.
- The FBG's Meeting Space, a meeting of FBG staffers with a UB researcher who presents his or her research lines.

As novelties of 2020, I would like to point out the start of a new incentives programme to foster the commissioning of R&D&I projects to UB research groups —the UB Innovation Tickets— as well as the online presentation of the social innovation laboratory, Living Lab UB, and the new image and website that will help reinforce promotional activities.

This pandemic has not hindered the innovative and entrepreneurial spirit of the University of Barcelona's research staff. In 2020, the overall contracted turnover of the FBG increased by 23% compared to the previous year. Regional, national, and European grants have experienced the most remarkable increase (46%), while the number of licensing contracts signed, the funds for valorisation obtained in competitive calls, and the number of spin-offs created have also experienced a significant increase.

I would also like to draw attention to the European NextGeneration funds, as they will provide a great opportunity to transform our economy and will contribute to developing and consolidating a knowledge-based productive framework. For this reason, we must focus on the transformation of research results into innovative products and services. Knowledge transfer and innovation will play a key role in this process.

To conclude this presentation, I would like to thank the staff of the FBG and all those who have participated in the successes and projects mentioned in this activity report, in the hope that we will soon be able to meet again in person.

Yours sincerely,
M. Carme Verdaguer

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Activity indicators 2020



€41.93 m

projects contracted for the UB

33.85 in 2019



623

companies and institutions contracting research

779 in 2019



1,949

active research projects

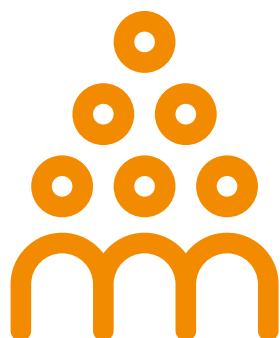
1,960 in 2019



€28.35 m

revenue from grants

19.42 in 2019



798

people hired within the framework of research projects

803 in 2019



498

patent portfolio

481 in 2019



56

assessed inventions

55 in 2019



24

licensed technologies

12 in 2019



22

assessed entrepreneurial projects

20 in 2019



4

new spin-offs created

2 in 2019

Innovation and knowledge transfer

“Knowledge transfer is essential. I believe that we are continuously generating knowledge, but to create something that has an impact on society, whether it is improving the quality of life of patients, or trying to cure a disease through a drug, among other things, is very important. In this sense, the FBG is an indispensable organization because it makes it possible for the research staff of the University of Barcelona to valorise their projects and to attract the additional funding they need, both public and private. As academics, we cannot develop a drug and bring it to market; we will always need a company to use its resources to get the drug candidate to clinical phases, which is really the most costly part of the process. For a project to be transferred to a company, we need an intermediary.



Personally, I believe that this is the return that many researchers are seeking: for our research to have an impact on society so that people who suffer from a disease have a better life. This is what drives us.”

Dr. Eugènia Pujol, Faculty of Pharmacy and Food Science (excerpt from an interview conducted in September 2020)

Contract research

We offer companies the opportunity to improve their products and services by outsourcing them to researchers and research groups from the University of Barcelona.



€10.67_m
annual contracted revenue

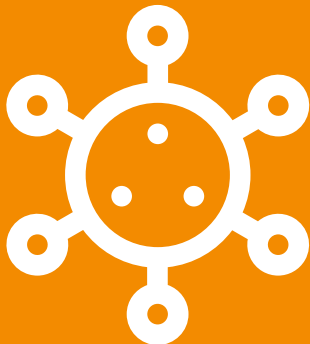
10.52 in 2019



553
projects

634 in 2019

Featured Covid-19-related projects



Among the 20 R&D&I projects outsourced to the UB, it is worth highlighting projects devoted to the **detection of viruses in water**, to forecasting the evolution of tourist activity in Catalonia, and to study the **impact of the measures adopted as a result of the health crisis on the taxi sector**.

In addition, special mention should be made of the collaboration with Farmatec UB and SDM in the **large-scale production of hydroalcoholic solution** for health centres, according to the formula recommended by the WHO.

Technologies,
materials,
and licences

At the FBG we work to protect the technology developed by UB researchers and to make it available to companies and organisations through licensing. In 2020, the revenue generated by 2020 and previous licences was €236,501.



130
patents available
for transfer

111 in 2019

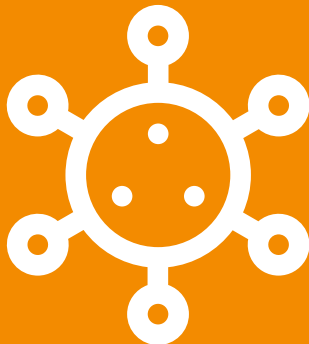


73
patent
applications

113 in 2019

- 21 priority patent applications
- 10 international patent applications (PCT)
- 42 patents in national phases abroad

Featured Covid-19-related projects



The UB is a partner in a consortium that is developing **innovative mRNA / MVA vaccines against Covid-19**, and the FBG is currently involved in licensing negotiations with the company Hipra in order to be able to produce these vaccines.

The UB Computer Vision & Machine Learning research group has developed a technology (LogMask) based on **artificial intelligence to detect the use of face masks**. This technology has already been implemented in Espai Abacus.



24
licensing contracts
signed

12 in 2019



4
software technologies
registered

4 in 2019



1
database
registered



12
material transfer
agreements

13 in 2019

Business creation and support for entrepreneurs

The FBG is the office responsible for promoting the creation of innovative companies by UB researchers.



20

active part-owned spin-offs

17 in 2019



22

business creation ideas received and assessed

20 in 2019



4

new spin-offs created

2 in 2019



€9.3 m

in public and private funding

9.2 in 2019

Spin-offs created in 2020

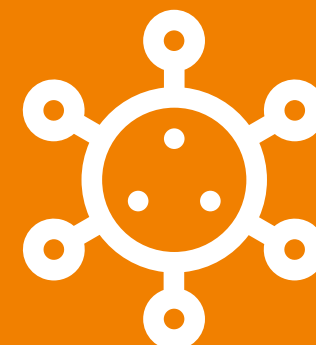
- **Mind & Identity**, a digital psychological assessment platform for understanding the perceptions of patients, consumers, and customers.
- **Accure Therapeutics**, a company launched with the aim of developing drugs for the treatment of diseases of the central nervous system (CNS) such as multiple sclerosis, epilepsy, and Parkinson's disease, and which resulted from the merger of Bionure and Iproteos, a spin-off of the UB and the IRB created in 2011.
- **Gate2Brain**, a spin-off based on technology generated at the UB, the IRB Barcelona, and the Sant Joan de Déu Research Institute that aims to increase the efficacy of pharmacological treatments for brain diseases.
- **AIGecko Technologies**, a company based on artificial intelligence techniques, deep learning, and real-time image analysis.

Featured Covid-19-related projects

Nostrum Biodiscovery, a spin-off of the UB, takes part in an international project by providing data that could help **design intelligent drugs** to treat Covid-19.

Following the appearance of Covid-19, Braingaze, a spin-off of the UB, worked intensively to be able to monitor the **eye-tracking** capabilities of its therapeutic video game through the selfie camera of any tablet, allowing children to continue their **ADHD treatments** from home during lockdown.

Neurekalab, a spin-off of the UB, offered its **learning programme** free of charge to children with **dyscalculia**.



Key indicators of part-owned spin-off

Spin-off shareholdings through UB Innovative and Scientific Culture, SLU (CIC-UB) including year of incorporation

Featured indicators of part-owned spin-offs:

Accure Therapeutics (2020), Advanced Nanotechnologies (2012), Algecko Technologies (2020), Biocontrol Technologies (2004), Bluephage (2016),* Braingaze (2013), ColorSensing (2018), Cytes Biotechnologies (2015), DapCom Data Services (2013), BDgen Ocular Genomics (2018), Enantia (2003), Gate2Brain (2020), Impetux Optics (2012), Kumux (2017), Mind and Identity (2020), Neurekalab (2019), Nostrum Biodiscovery (2015), Qilimanjaro Quantum Tech (2019), Smalle Technologies (2012), and Vitual Bodyworks (2015)

* Also part-owned by the Bosch i Gimpera Foundation

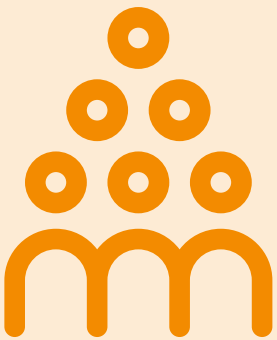
UB Research groups awarded the TECNIO certification

In 2020, the seven UB groups recognised with the TECNIO certification were awarded its renewal for the 2020-2023 period. This certification, granted by ACCIÓ, endorses and promotes knowledge transfer, as it identifies the research groups that offer the most innovative technologies to help companies create new products, processes, and services.

The following lists the UB groups recognised with the TECNIO certification, which involve over 195 researchers:

- Centre of Microsystems Engineering for Instrumentation and Control (CEMIC)
- Thermal Projection Centre (CPT)
- Centre for the Production and Validation of Advanced Therapies (CREATIO)
- DataScience@UB
- Centre for the Design and Optimization of Processes and Materials (DIOPMA)
- Applied Mineralogy and Environment (MAiMA)
- Drug Development Service (SDM)

The collaboration of the Creatio and DataScience groups in the development of an in silico model for drug screening for neurodegenerative diseases is particularly remarkable.



151
jobs created

118 in 2019



€7.1 m
total revenue

5.4 in 2019



€7.3 m
total annual turnover



%
funding source
67% public
33% private



4
priority patent and PCT applications

Management of research and knowledge transfer projects

“I believe that knowledge transfer is one of the functions of universities. Research must be able to solve the problems of industrial society, and, moreover, transfer is a source of income that helps sustain research groups. It also allows me to have contact with the professional world and to be able to pass on my experience to my students. Not all students will carry out basic research; they must also be trained to undertake different professional careers. In my case, knowledge transfer allows me to train students in these two ways.”



Dr. Magdalena Grifoll, Faculty of Biology (excerpt from an interview conducted in February 2020)

Activities revenues

One of the purposes of the FBG is to generate economic impact as a result of the research carried out at the University of Barcelona, that is, to ensure that this research leads to technologies and companies that create jobs and boost economic growth, or to cooperation between universities and companies that increases the competitiveness of the latter.

We generate an economic return for the University, its departments, and its researchers in-house. This is the mission of the FBG's management area: to assist researchers in the management of their research projects, from the preparation of proposals and applications for grants and subsidies to the monitoring of the obtained funding. We do this by approving project budgets during the application phase and validating their economic justification; monitoring income, economic execution, and financial closure, and making project payments.



€30.55_m
activities revenues

29.41 in 2019

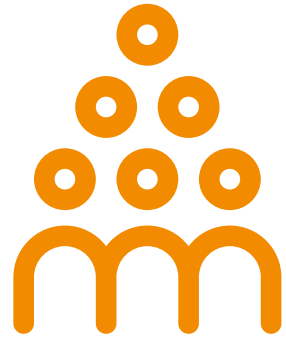


€18.43_m
from grants



€12.12_m
revenues
from projects

This management also includes the processing of project-related employment contracts, collaboration grants and work permits and authorisations.



798

people were hired in connection with research projects

803 in 2019

As for the Occupational Safety and Health Service, only six companies were visited and assessed due to the pandemic. Risk assessments have also been carried out, but only in relation to jobs associated with ongoing activities, and online training has been provided in the area of occupational risk prevention, which has been attended by a total of 348 people.

Collaboration agreements

Barcelona Zoo Foundation – Monitoring the gorilla population in the Lossi Wildlife Sanctuary (Republic of the Congo) 15 years after the Ebola epidemic.

Knowledge and Development Foundation – Promoting research on all those activities related to the social function of higher education and, in particular, to aspects associated with the contribution of universities to development.

Foundation for Energy and Environmental Sustainability – Third addendum to the collaboration agreement for the creation of the Energy Sustainability Chair of the University of Barcelona.

Grants

“It is very important to have a good team and, especially, a good project manager. We are very fortunate in this respect. It is also important to design the project with qualified and experienced people who are motivated and love what they do. For me, personally, this is part of my life and I do it with passion. Finally, you have to know how to organise yourself and communicate well. We have different work groups that communicate weekly and are organised according to different themes. This is a very interesting and far-reaching project, but a good team ensures that it can be carried out without any problems. Besides, I'm lucky enough to have coordinated other projects, and that helps too. Within the University we have a lot of help from the FBG team, which has a lot of experience with European projects.”



Dr. Karim Lekadir, Faculty of Mathematics and Computer Science (excerpt from an interview conducted in December 2020)

Annual revenue



102
grants

106 in 2019



€ 28.35 m
annual revenue

19.42 in 2019

Public and private grants



73
grants awarded both
by public and private
institutions and companies



€ 6.37 m
grants

In 2020, some of the most important grants were

- €2,122,504.39 from the Business and Knowledge Department of the Catalan Government, €2,075,434.79 of which fall within the framework of the call for R&D&I networks to launch programmes to valorise and transfer research results. The FBG will manage the Catalan Maritime Network and the Food Innovation Network.
- €1,506,872.49 from the EIT Health programme
- €861,834.71 from the Spanish Ministry of Science and Innovation
- €508,000 from the Catalan University and Research Grants Management Agency (AGAUR)
- €450,988 from the Catalan Agency for Business Competitiveness (ACCIÓ)
- €293,562 from the Caixa d'Estalvis i Pensions de Barcelona Banking Foundation

Research grants awarded by the European Commission



29
projects



€ 21.98 m
grants

Framework Programme



25
projects



€19.63_m
total revenue

Featured Framework Programme projects

Three coordinated projects:

Dr. Karim Lekadir, Faculty of Mathematics and Computer Science > €10 million and 20 partners

EUCanImage – The project aims to develop a cancer imaging platform that will help improve the potential of artificial intelligence and precision medicine in oncology.

Dr. Dani Prades, Faculty of Physics > €1.99 million and 4 partners

SMILE – Continuation of the ChipScope project to develop micro-illumination instruments based on the technology previously developed. The aim is to develop micro-LED arrays that will provide higher light intensity and be integrated into standard optoelectronic instrumentation systems to trigger and manipulate chemical or biological reactions.

Dr. Ramon Flecha, Faculty of Economy and Business > €1.03 million and 7 partners

ALLINTERACT – Is a project with a twofold objective: on the one hand, it aims to produce new knowledge on how to transform potential citizen participation in science; and on the other hand, it seeks to discover new ways of involving social actors in science, including those who have traditionally been excluded from it, such as young people and vulnerable groups..

Two FET Open projects:

Dr. Josep Puigmartí, Faculty of Chemistry > €555,000

ANGIE – Project to develop magnetically steerable wireless nanodevices for targeted delivery of therapeutic agents to patients.

Dr. Dani Prades, Faculty of Physics > €796,125

FOXES – The European FOXES project aims to develop a zero-emission energy supply system to power wireless devices for the Internet of Things.

Two ERC Starting Grants:

Dr. Xavier Ros Oton, Faculty of Mathematics and Computer Science > €950,306.25

Dr. Josep Puigmartí, Faculty of Chemistry > €713,147

Other funding schemes



4
projects

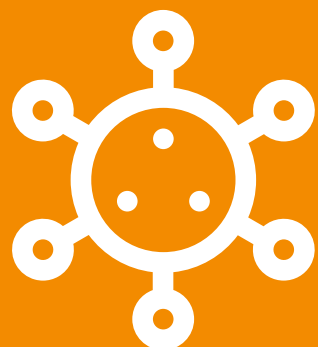


€ 2.35 m
total revenue

Featured Covid-19-related projects

Participation in the European **CONVAT** project, which aims to develop a device to detect Covid-19 in thirty minutes.

CaixaImpulse Covid-19. The project aims to find antivirals that block the replication of SARS-CoV-2 by acting on the RNA of the virus.



Promoting collaboration between university and society

Promotion and partner relations have faced some major challenges due to Covid-19, particularly in the field of university innovation, as much of the deal-making is focused on events and person-to-person relationships. Despite the pandemic, we have continued to organise and promote our programmes by adapting them to online formats through virtual platforms.

Science + Partners

The sixth edition of Science + Partners took place in November 2020 and focused on projects in the field of health and life sciences. Its agile and dynamic format allows researchers to gather ideas to fine-tune and improve their project's for the market, and also provides a good business opportunity for partners.

Science
Partners +

4 projects presented during the event

- "New TREX2 inhibitor compounds, a new therapeutic target for the treatment of inflammatory/proliferative dermatological diseases, including psoriasis"
- "Composition of long-term stable faecal microbiota"
- "New therapeutic strategy for neuropathic pain"
- "New approach to improve efficacy and efficiency of CAR cell therapies"

"Such interactions and feedback are always useful in helping us to think about the project in a different way."

Eugènia Pujol, Faculty of
Pharmacy and Food Science

6 partners

ASABYS
PARTNERS

Johnson & Johnson

BHV
partners

 **inveready**

Moonday
.Capital
BUILDING THE FUTURE OF HEALTH

invivocapital

“This is an excellent initiative that benefits both researchers and investors, as it is very interesting to learn about potential investment opportunities at an early stage and to be able to follow their evolution. Moreover, we hope that our feedback can help researchers gain a more comprehensive understanding of their project.”

Anna Bellmunt, Asabys Partner,
capital risk management company.

In-house funded call

Fifth edition of this in-house funded call, which includes two types of grants: the Valorisation Fund (FVal) grant—endowed with €125,000—aims to fund proofs of concept of research projects, and the Mentor in Residence (MiR) scheme—with a total budget of €30,000—aims to promote the creation of new spin-offs.



Awards granted in the 2020 call

Valorisation Fund grants

- Development of an innovative therapeutic strategy to treat psoriasis and atopic dermatitis. Dr. Concepció Soler, Faculty of Medicine and Health Sciences.
- A more efficient laser projection system to obtain high quality images. Dr. Estela Martín Badosa, Faculty of Physics.
- Electrochemical system for decontaminating and disinfecting water. Dr. Ignacio Sirés Sadornil, Faculty of Chemistry.
- Development of soil bacteria for plant growth. Dr. Rubén Alcázar Hernández, Faculty of Pharmacy and Food Science.
- Development of first-class dual agents for neuropathic pain. Dr. Santiago Vázquez Cruz and Dr. Francisco Alférez, Faculty of Pharmacy and Food Science.

Awards granted in the 2019-2021 call

Mentor in Residence grants

- Dr. Mario Montes, Faculty of Physics. “Programmable Array Microscope with Virtual Pinholing” (PASCAL), a microscope versatile enough to combine the capabilities of two types of confocals in one instrument.

Between 2016 and 2020, the Fund for the Promotion of Innovation has supported the creation of six spin-offs—AIGecko Technologies, Bluephage, ColorSensing, Mind & Identity, Neurekalab and Virtual Bodyworks—and has created more than thirty jobs. The UB's investment in these projects has increased sevenfold over the last four years thanks to the funding obtained by the projects after receiving the grants.

Innovation Tickets

In 2020, the University of Barcelona launched an incentives programme to promote R&D&I projects. Its aim is to encourage the generation of new collaborative projects between companies and institutions and research groups.

The goal of this programme is to enable research groups to carry out an initial analysis of the needs posed by a company or institution. Up to 75% of the budget for these analysis tasks is subsidised by the Innovation Tickets, up to a maximum amount of €1,500. The rest of the budget must be provided by the company or institution.

Eight Innovation Tickets have been awarded in 2020.



Social Innovation Laboratory

In 2020, the UB Living Lab, the UB's social innovation laboratory, was officially inaugurated. The aim of this initiative is to respond to challenges from both the public and private sectors related to people's behaviour through innovative solutions and with the involvement of the social actors of the quadruple helix: companies and institutions, customers and users, university experts, and policy makers. As a living lab, the UB Living Lab aims to respond to all sustainable development objectives (ODS).



“We want the Living Lab to be a space for experimentation. Unlike in other scientific disciplines, such as biology, there is no experimentation in the field of regulations. However, we believe that controlled experiments should also be carried out in this area. This is certainly a more complex issue, and there is no tradition of such a thing in Spain, but we want to be a space where controlled experiments can be carried out before regulations come into force.”

Dr. Juli Ponce, Facultat of Law (excerpt from an interview conducted in April 2020)

Open Innovation Forum

In 2020, 23 companies and 101 solvers took part in the third edition of the Open Innovation Forum, in which 137 meetings were held to try to solve the 52 innovation challenges presented by the companies.

The challenges presented during this event covered areas such as immunity, dermatological diseases, pain management, innovation in drug delivery and food supplements, among others.



Other events

The FBG organised a workshop to showcase the research groups at the University of Barcelona that pursue research lines in the field of microbiota to identify possible synergies and common interests with a view to establishing university-company collaborations.

The FBG participated in the workshop "DeepTech, how universities respond to the challenges of society and business – business and university innovating together", held as part of the Biz Barcelona fair. Organised by Barcelona Activa, together with the University of Barcelona, the Autonomous University of Barcelona, the Polytechnic University of Catalonia, the Pompeu Fabra University, and the Open University of Catalonia, the event aimed to highlight the value of the activity generated by universities in the field of technology transfer and its impact on society and business.

Business clusters

In 2020 the FBG was present in 5 of the clusters accredited by the Catalan government with the aim of intensifying collaboration with companies, getting to know their needs first-hand, and pitching the research carried out at the UB.



Awards

Antoni Caparrós Prize for the best knowledge transfer project

Awarded to David Gallardo Pujol for the project "Development of a tailor-made assessment system based on the True Fit® methodology".

Senén Vilaró Prize for the best innovative business

Awarded to Bluephage SL, a spin-off of the University of Barcelona.

During the awards ceremony, recognition was given to the Repsol Group for its track record of **collaboration with the University of Barcelona in R&D&I projects**.



Premis del Consell Social de la UB
i de la Fundació Bosch i Gimpera

Crowdfunding



At the end of 2020, a crowdfunding campaign was launched by researchers of the School of Podiatry of the University of Barcelona with the aim of improving the quality of life of ALS patients through podiatric intervention. The aim was to hire professional staff to carry out weekly podiatric interventions in the homes of ALS sufferers through treatments such as decongestive lymphatic therapy with neuromuscular bandaging. The campaign was carried out through the crowdfunding platform Precipita and ended in 2021 after raising €10,000.

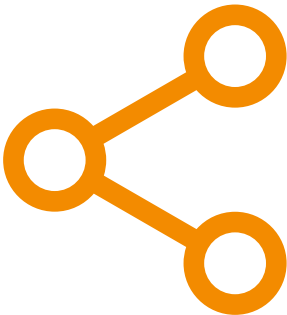
Communication and dissemination

“It is very difficult to talk to undergraduate students about knowledge transfer. You can talk to them about the importance of transfer in general, that it is important for you personally to conduct quality research and to be able to transfer it to society. They see this too, and they are increasingly committed in this regard.

Many students are very motivated to do something for the benefit of society, but we have to explain to them that in order to achieve this, there needs to be a process of transfer from the university to the productive sector; that it is a complex process, that reaching the market is sometimes not easy, and that this transfer is very important. They see the end of the process (the impact on society) and also the beginning (research), but it is necessary to make them see this intermediate stage of the university-industry and university-society transfer and how it works.”



Dr. Carles Galdeano, Faculty of Pharmacy and Food Science (excerpt from an interview conducted in November 2020)



News and press

Increasing the UB's visibility and reputation. We have been featured in print and digital media, on radio and television, both nationally and internationally.



73 articles were published on the FBG website

55 in 2019

Las biotecnológicas nacidas en la UB captan 191 millones desde su creación

DEL LABORATORIO AL MERCADO/ Una de cada cuatro nuevas empresas de ciencias de la salud en Catalunya es una 'spin off' de un centro universitario o de alguna de sus instituciones adscritas.

Gabriel Trindade, Barcelona. Las *spin off* de ciencias de la salud de la Universitat de Barcelona (UB) han captado 191 millones de euros desde la fundación de estas empresas, según el último informe sectorial de Biocat y Catalonio-Bio&HealthTech. Esta cifra convierte a la UB en el centro universitario e institución científica que más inversión ha levantado en Catalunya.

En total, en la UB –en colaboración con la Fundació Bosch i Gimpera– han nacido 24 compañías que todavía están activas, con Minoryx Therapeutics, Oryzon Genomics o Accure Therapeutics entre las más destacadas. La lista la completan proyectos en fases más tempranas, como Brain-Gaze o Leukos Biotech.

El ranking incluye instituciones adscritas a la UB como el Institut d'Investigacions Biomèdiques August Pi i Sunyer (Idibaps) o el Institut de Recerca Biomèdica de Barcelona (IRBB). Para hacer el recuento de inversión, el informe apunta que una misma *start up* puede estar inscrita en varias instituciones.

La segunda entidad con más inversión es la Institució Catalana de Recerca i Estudis Avançats (Icrea). Se trata de un caso muy particular, ya que el Icrea no es un centro universitario o instituto de investigación, sino un programa de captación de talento. En total, ha levantado 122,7 millones para 22 proyectos. El Icrea permite al ecosistema catalán contar con investigadores que, de otra forma, difícilmente hubieran venido, gracias a las aportaciones económicas que complementan sus sueldos. En 2019, seis firmas de ciencias de la salud

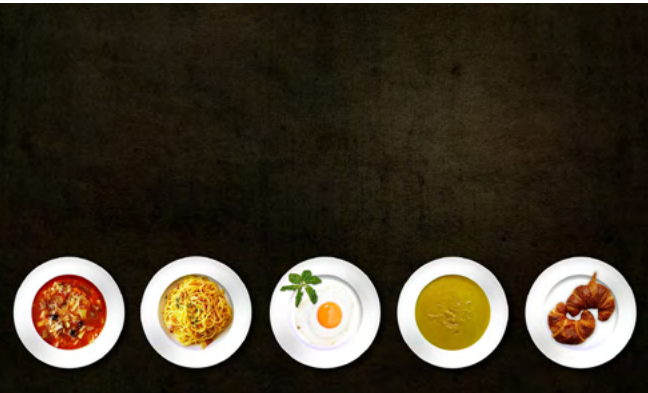
con investigadores del Icrea han logrado recursos: Inbrav, Ona, Pulmobiotics, Onechain, MiWEndo y Droplite. Completa el podio la Universitat Autònoma de Barcelona (UAB), con 40,4 millones y 15 firmas, como NanoTherapix, NeuroHeal Biomedicals o Rheo Diagnostics.

	Volumen, mill. €	'Start up' activas
UB	191,5	24
Icrea	122,7	22
UAB	40,4	15
Inst. Recerca Biomèd. Barcelona	38,4	5
Hospital Clínic	21	6
IrsiCaixa	17,2	2
UPC	16,2	10
Idibaps	11,9	8
Vall d'Hebron Inst. d'Oncologia	11,1	2
UPF	9,7	9

Fuente: Biocat & CatalonioBio&HealthTech

Success stories

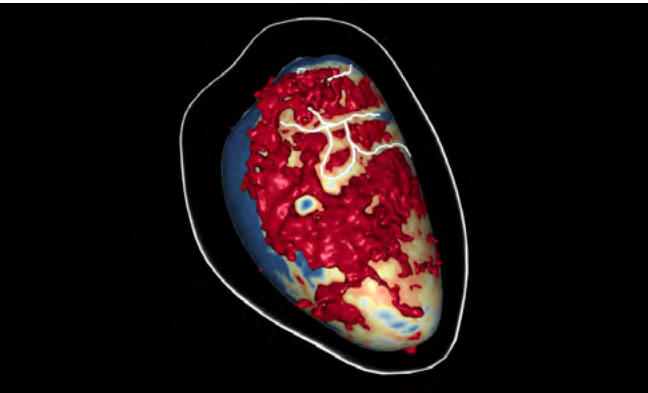
Examples of technologies and products that have been developed at the UB and reached the market.



Improving the diet of cancer patients



Biological control of crop diseases



3D imaging to improve the treatment of arrhythmia

Interviews

We interview researchers of the University of Barcelona and make them personal questions in order to give visibility to their projects, and to disseminate and publicize the importance of knowledge transfer to society. Among the interviews conducted in 2020, we would like to highlight the following:

What is the best advancement in history?



“When it was understood that the life of humans and all living organisms is based on biology”

Antonio Andrés Pueyo
20 January 2020



“A key breakthrough was the discovery of the structure of the DNA molecule and the genetic code. More recently, CRISPR technology has been a revolution.”

Magdalena Grifoll
17 February 2020



“Some of the most important advancements in the history of humanity were regulatory codes, which gave birth to civilized society.”

Juli Ponce
20 April 2020



“There is an advancement, writing, the way we have to preserve knowledge, that led to the printing press, which was in turn the means that ultimately enabled education, which I think is the most important socio-economic advancement of all.”

Josep Lluís Carrion
18 May 2020



“The birth of what we today know as art, as it was a step forward for communication between human beings, who until that moment could only communicate orally and, therefore, ephemerally. With the birth of art, a new form of visual communication was born that actually underlies all current visual communication systems.”

Inés Domingo
22 July 2020

All together meeting

The All together meeting is an encounter of the staff of the FBG with a researcher of the University of Barcelona. It has the twofold aim of helping FBG staffers to better understand the work of researchers through the real cases of projects that they have had a hand in launching, and of letting researchers meet the FBG’s staff in person. In 2020, within the framework of this Meeting Space, we met:



“It’s very difficult to choose one, but right now, considering the Covid-19 pandemic, I would highlight the discovery of vaccines. This was a very important breakthrough for biomedical research and one of the main causes of the improvement of human health.”

Eugènia Pujol
21 September 2020



“From the point of view of someone who is involved in drug discovery, I would say that vaccines and antibiotics.”

Carles Galdeano
16 November 2020



“Agriculture, over 11,000 years ago.”

Karim Lekadir
21 December 2020



Jordi Camarasa
Pharmacology,
Toxicology and
Therapeutic Chemistry



Maria del
Carmen Llasat
Meteorology

The institution

“In our case, I think knowledge transfer is very important, because it helps to make decisions in a more discerning way. In the end, decisions taken by administrations in relation to economic or social policies must be based on rigorous analysis and not on beliefs. In our experience, knowledge transfer serves to reduce uncertainty in decision-making at the institutional and corporate levels. The effects that Covid-19 will have on different economic sectors will have to be quantified, specific policies will have to be put in place to deal with them, and later on these policies will have to be evaluated.”



Dr. Josep Lluís Carrion-i-Silvestre, Faculty of Economy and Business (excerpt from an interview conducted in May 2020)

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Where we are

The Bosch i Gimpera Foundation is a member of the Board of Trustees of the Barcelona Science Park (PCB) and of the Governing Board of CIC-UB. We also belong to the Governing Board of the University School of Hospitality and Tourism (CETT-UB) and the College Consortium for Higher Education in Hotel Management. We are also members of the Governing Board of StartUB! (former Barcelona UB Entrepreneurship Institute), jointly founded by the FBG and the UB, and members of the committee of the Barcelona University Centre (BCU). We also represent the UB in the Enterprise & Innovation Community of the League of European Research Universities (LERU) and participate in its Group for Business Policies and Innovation.

About us

Staff of the Bosch
i Gimpera Foundation:

General Management

M. Carme Verdaguer, general manager;
Inmaculada Soria, secretary

- **Technical Office:** Maria Segú, head
- **Communication and Marketing:** Mariona Ferrer, head.
Team: Nerea Oñate#

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, Laia Bartolomé, Yvonne Mata, Daniel Pierrá, Sònia Salom, Gemma Sánchez, Cristina Serra, Marta Tort, and Elisabeth Vico
- **Human Resources, Health, and Safety:** Mercè Tejedor, head. Team: Pili Morales, Laura Ramos, Mireia Solsona, and Sandra Tello
- **IT:** Àlex Closa, head. Team: Andreu Valls
- **Public and International Grants Unit:** Begoña Navarrete,# coordinator. Team: Olga Bogurina,** Digna Cárcoba, Mònica Cunill, and Florencia Nava**
- **International Research Projects, UB-FBG joint office:**
FBG – Financial management: Xavier Gutiérrez, head.
Team: Anna Ferrando, Sheila López, Sandra Martin, Sílvia Mora and Anna Rovira

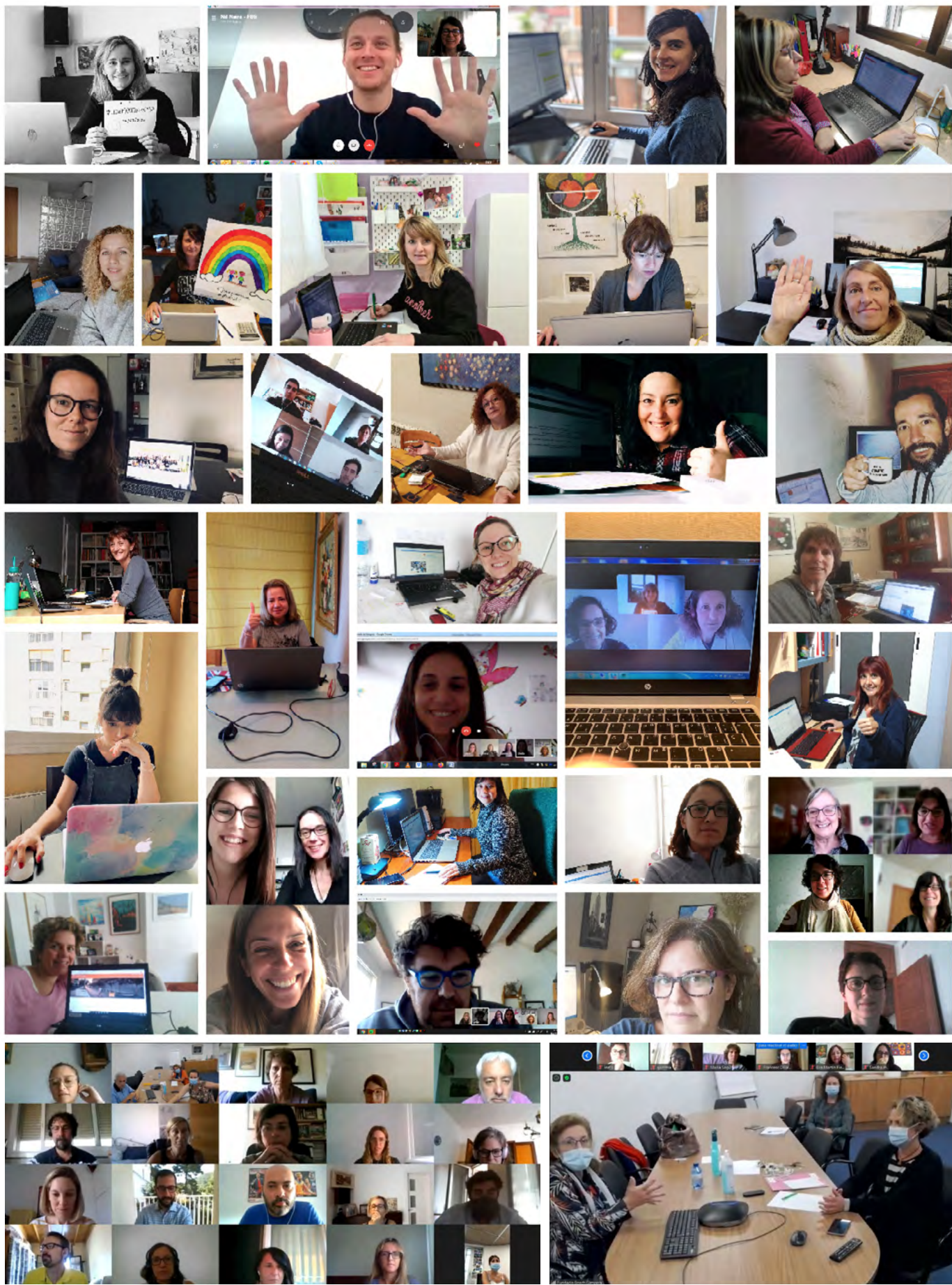
Innovation and Knowledge Transfer

Lurdes Jordi, director

- **Contract Research:** Salvador Mena, head
- **Valorisation and Licensing:** Inma Íñiguez, head
- **Business Creation:** Jose Conde, head
- **Contracts:** Gemma Casamitjana, head

Innovation and Knowledge Transfer team: Andrea Arbós,** Francesc Benlliure,# Laia Crespo, Francesc Dosrius,* Isabel Durán, Belén Gámez, Alba Ginés,# Raquel Jiménez, Eva Martín, Nil Neira,# Gloria Roselló, Miquel Sureda,**# Rosa Vázquez# and Dolors Vega

(*) Interns.
(**) Replacement of staff on maternity or temporary incapacity (TI) leave, voluntary resignation, or retirement.
(#) Staff linked to the REINNOVA UB-FBG project.





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