



Barcelona
Biomedical
Research
Park

PRBB PERFORMANCE REPORT 2021

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www.prbb.org

An inspiring environment for life sciences and biomedical research, despite the pandemic

The mission of the Barcelona Biomedical Research Park (PRBB) is to provide the best environment for research of excellence. The Park hosts different research centres and more than 1,400 people from more than 50 different countries.

Current centres

IMIM

MELIS-UPF

CRG

ISGlobal (Campus Mar)

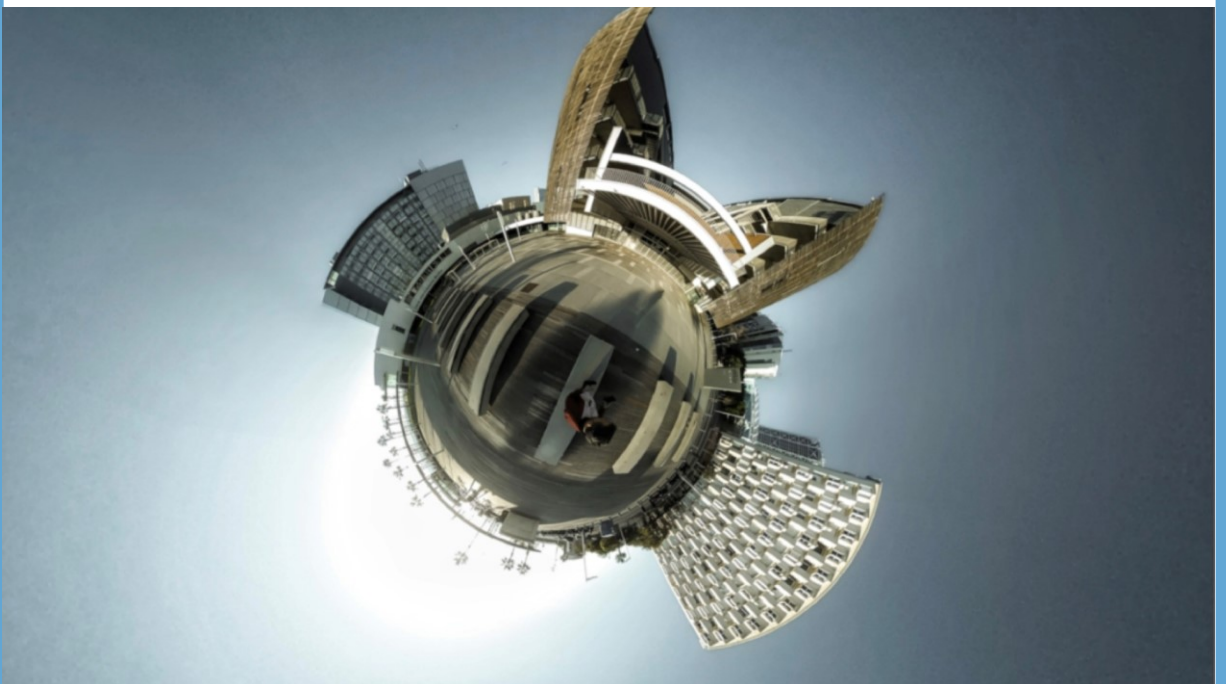
IBE (CSIC-UPF)

EMBL Barcelona

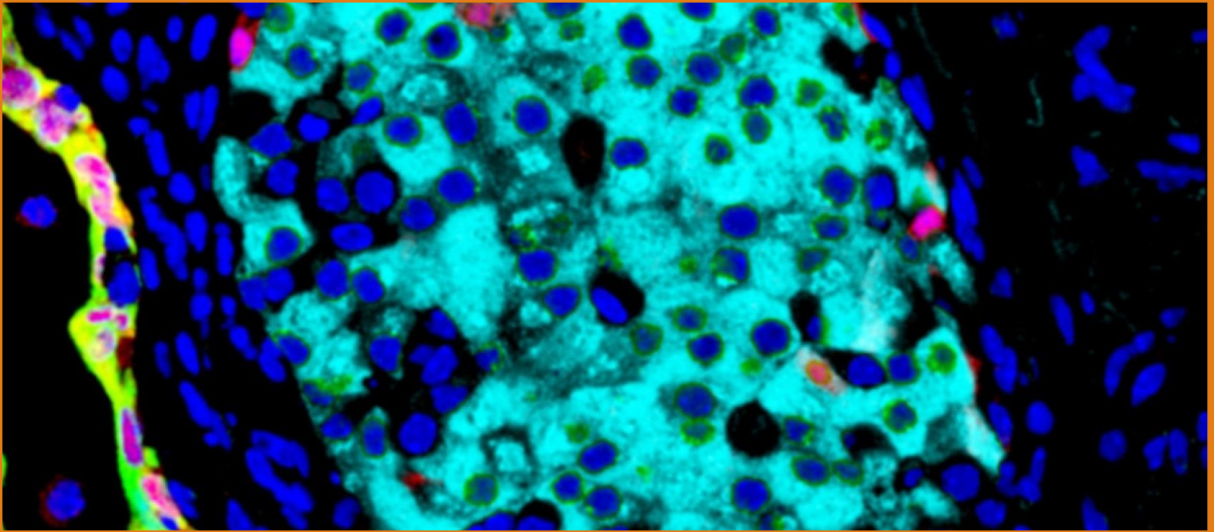
IRAB

- SCIENCE
- INSTITUTIONS
- SOCIETY
- INFRASTRUCTURE

© IG xavi_ruiz.photo



SCIENCE



Source: Ferrer lab, CRG

The PRBB research centres, with **30 scientific programmes and 200 senior researchers**, investigate the mysteries of living systems and human health.

With a comprehensive view, from the molecular perspective to the population, the scientists who are experts in their respective fields meet, discuss and collaborate in this building, **generating synergies and a productive cross-pollination.**

Scientific publications

	2021	2020*	2019*	2018*
Total	1290	1172	1137	1074
<i>Nature</i>	4	8	4	8
<i>Science</i>	1	9	3	3
<i>The Lancet</i>	0	1	3	0
<i>New Engl J Med</i>	0	2	1	2
Nature Group	49	44	57	50
Lancet Group	11	8	3	5

* There are fluctuations during the year in the total number of publications that are in the database at the closing of the report. For this reason, the numbers presented do not coincide with the reports for 2020, 2019 and 2018.

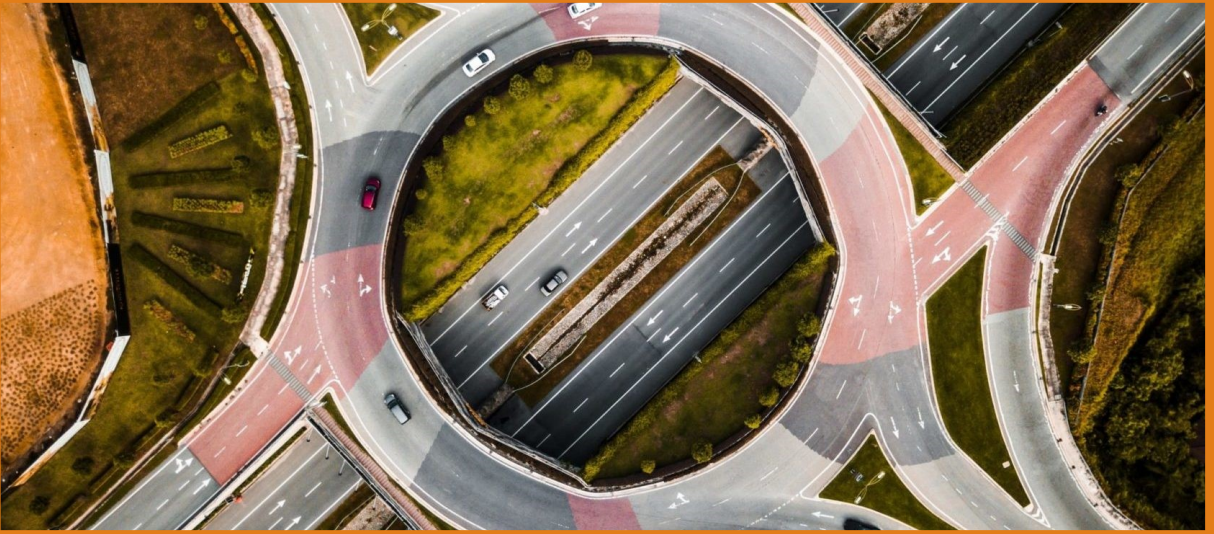


During 2021, the **PRBB organized 34 scientific conferences** (31 in 2020). 24 of them were PRBB CRG Conferences (19 online, 3 hybrids) and 10 neuroscience seminars (all online). These conferences are included in the park's **total of 242 scientific sessions** (202 in 2020).

The countries of the institutions of the **PRBB CRG Conferences** speakers were USA (8), Germany (3), United Kingdom (2) and one from Austria, Spain, Canada, Portugal, Switzerland, Denmark, Australia, the Netherlands, South Africa and France.

Scientific conferences

	2021	2020	2019	2018
Total	242	202	316	277
PRBB CRG Conferences	24	21	49	8
Group Leader Seminars	0	9	-	-
Neuroscience Seminars	10	0	-	-



Source: Unsplash, Firdouss Ross

Career Week: Is there life after academia?

Great success of two editions of the "Career Week" in spring and autumn, with **460 total attendees**. There were participatory talks and seminars to find out what job options are in science apart from the academic career.

The Career Week is co-organized by the PRBB Intervals programme with the Park centres.

→ [Read more](#)



Ilaria Capua (Hypatia Prize)

The Italian virologist who received the Hypatia Prize from the Barcelona City Council, visited the PRBB and talked about the pandemic and what we can learn from it, with several researchers from the Park.

Professor Capua is director of the University of Florida's "One Health" Centre of Excellence.

→ [Read more](#)



Ethical aspects of CRISPR

On December 2nd, the PRBB held a debate on the ethics of genome editing, which CRISPR-based technologies have made possible.

The event was organized by the Working Group of Good Scientific Practices of the PRBB and moderated by Juan Valcárcel, researcher of the CRG.

→ [Read more](#)

INSTITUTIONS



Source: Guillermo Nevot, UPF

PRBB


Demography


The more than **1,400 residents** (60% women and 40% men) of the research centres include 399 foreigners (28%) from **57 different countries**.


The Park has **745 researchers**: 295 PhD students, 252 postdocs and 198 senior researchers (IPs). The support staff is grouped into 458 technicians and 241 people from the administration.


→ [Read more](#)


Staff of the centers


29% 
CRG
/ 416 persones


27% 
IMIM
/ 395 persones

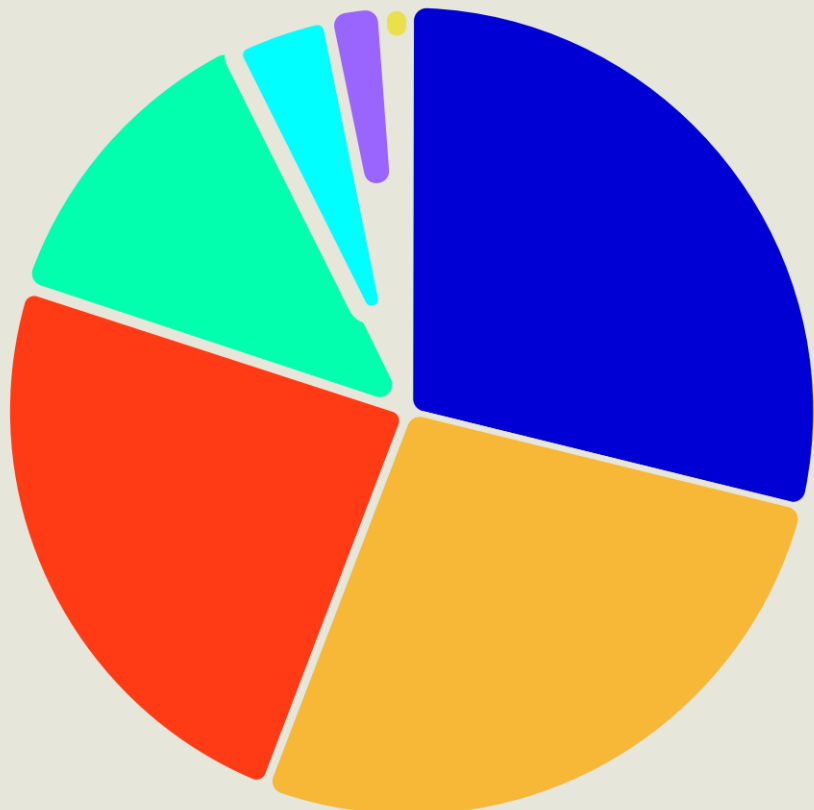
24% 
UPF (MELIS + IBE)
/ 350 persones

13% 
ISGlobal
/ 194 persones

4% 
EMBL BCN
/ 53 persones

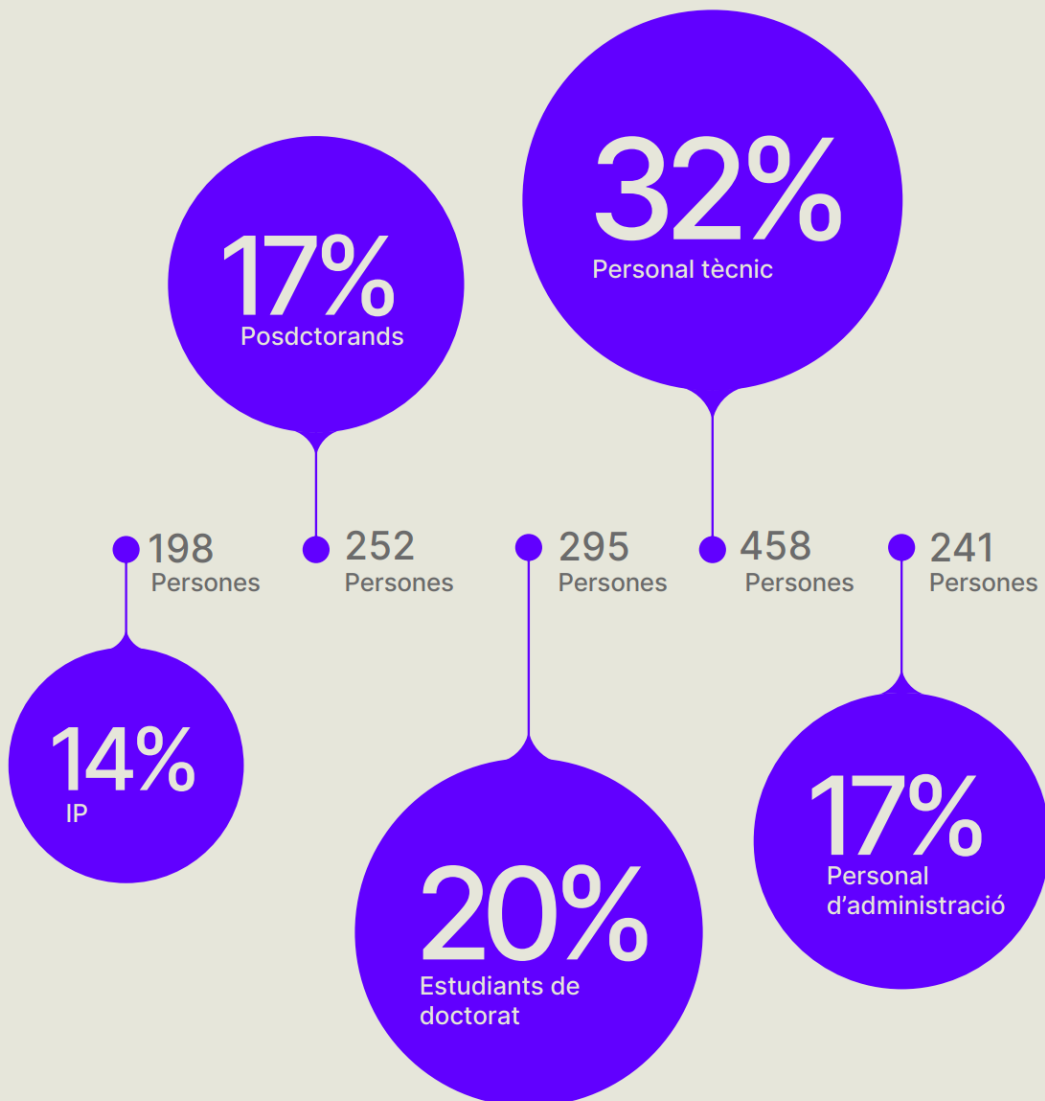
2% 
CONSORCI PRBB
/ 27 persones

1% 
IRAB
/ 9 persones



Total de persones
1.444

Residents by categories

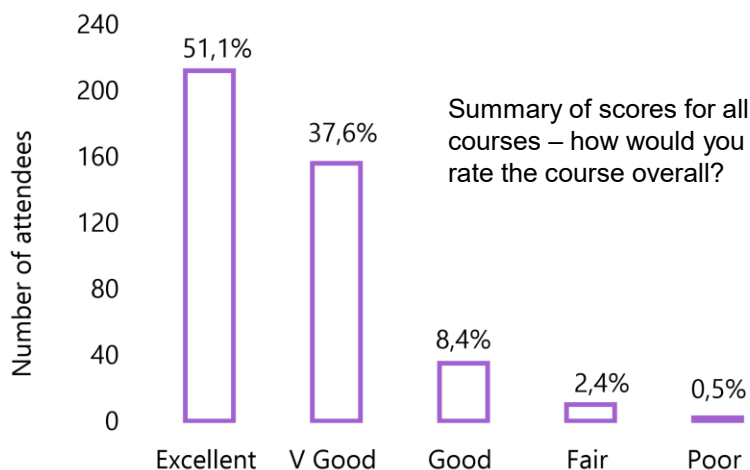




Source: Unsplash, Kvalifik

Intervals Programme

In 2021, more than **400 attendees** participated in the events offered by the Intervals programme for the PRBB community: **40 courses covering 22 topics.**



→ [Read more](#)

Día Internacional de la
mujer y la niña en ciencia

Soy Mujer y Científica

11.02.2021
12 → 13h.

Online

Registro
<http://bit.ly/11Fmesaredonda>

Mesa Redonda

Lorena Galera (Predoc UPF)
Marta Barrera (Predoc IMIM)
Cristina Plata (Técnico UPF)
Ana Martin (Postdoc UPF)
Modera:
Pilar Ortiz (Predoc UPF)

Con el apoyo de:
Sociedad Española de
Neurociencia (SENC)

#11F
#SomosCientíficas
#Febrero11

@the_prbb

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Biomèdica
Barcelona

upf. Universitat
Pompeu Fabra
Barcelona

COMITÉ
DE IGUALDAD
DIVERSIDAD
E INCLUSIÓN

DEL
PRBB

Feb 11 at the PRBB

One day, two events and many voices united
to claim the importance of women in the
scientific world. → [Read more](#)

Viquimarató

Dia de la dona i la nena en ciència

Organitza:
Comitè EDI-PRBB, Viquidones UPF,
Amical Wikimedia i Grup de Perspectiva
de Gènere en la Ciència-ACCC

#11F
#viquidonesPRBB
#NoMoreMatildas

@the_prbb

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11.02.2021
17 → 19h.

Online

Registre
<http://bit.ly/viquidonesPRBB2021>

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Biomèdica
Barcelona

COMITÈ
D'IGUALTAT
DIVERSITAT
I INCLUSIÓ

DEL
PRBB



The rhythms of change: 15 years of the PRBB

15 years ago, in May 2006, the PRBB building was inaugurated by the Spanish and Catalan governments, the Barcelona City Council and the Pompeu Fabra University.

A small story is published in El·lipse to celebrate this **fifteenth anniversary** of the inauguration of the PRBB.

→ [Read more](#)



Changes to the Governing Council

The election of the new rector of the UPF, Oriol Amat, and the appointment of a new government of the Generalitat after the elections of February 14, changed the composition of the Governing Council of the PRBB Consortium.

→ [Read more \(in Catalan\)](#)

Governing Council of the PRBB Consortium

Gemma Geis i Carreras – President

Minister of Research and Universities, Government of Catalonia

Ada Colau Ballano – First Vicepresident

Mayor of Barcelona

Oriol Amat i Salas – Second Vicepresident

Rector of the Pompeu Fabra University (UPF)

Esther Morales i Miguel – Vocal

General secretary of Research and Universities, Government of Catalonia

Joan Gómez Pallarès – Vocal

General director of Research, Government of Catalonia

Aina Plaza Tesias – Vocal

General director of Health Planning, Government of Catalonia

Ferran Roderó Tomas – Vocal

General director of Economic promotion, Government of Catalonia

Júlia Miralles de Imperial Pujol – Vocal

Advisor for Science and Universities, City Council of Barcelona

Marta Clari Padrós – Vocal

Manager of the area of Culture, Education, Science and Community. City Council of Barcelona

José García Montalvo – Vocal

Comissioner of Scientific Policy at the UPF

Ester Castellnou i Sardà – Secretària

Director of Legal Services of the PRBB Consortium



***BE
RES
PECT
FUL!**

"Is this sexual harassment?" Asking this question in different situations, the **Equality, Diversity and Inclusion Commission** of the PRBB has launched a campaign to start the conversation about sexual harassment and discrimination, give visibility to the Park's **anti-bullying policies** and promote a culture of respect for all.

→ [Read more](#)



A new group has emerged to ensure **sustainability at the PRBB**. It is an initiative of Park residents who are interested in sustainability. The goal is to talk about how to approach sustainability in science, share documentation and experiences, learn about other related initiatives and create a critical mass of people interested in the subject.

→ [Read more](#)



A new degree in Medicine for the new times

UPF and Hospital del Mar join forces to create a new degree adapted to the needs of current and future medical doctors, using innovative teaching in terms of both content and form.

→ [Read more](#)

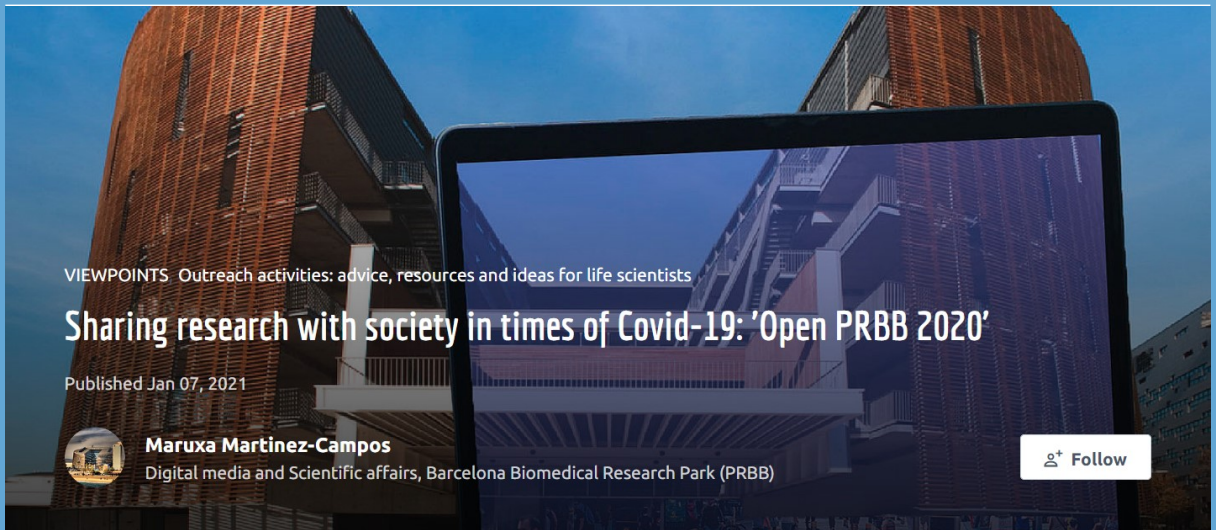


The Hospital del Mar of the future

Horizon 2030. This is the year in which the new Hospital del Mar is expected to be finished. In June 2021, the 2nd phase of the construction had begun.

→ [Read more](#)

SO
CIE
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FEBS Network publishes two articles on the #OpenPRBB 2020

Under the title 'Embracing social networks: challenges and opportunities to talk to influencers online' and 'Sharing research with society in times of Covid-19', the articles describe how the PRBB created visibility for scientists through the participation of **Instagram influencers** during the #OpenPRBB 2020.

→ [Read the article of Maria Bernabeu, EMBL](#)

→ [Read the article of Maruxa Martínez, PRBB](#)



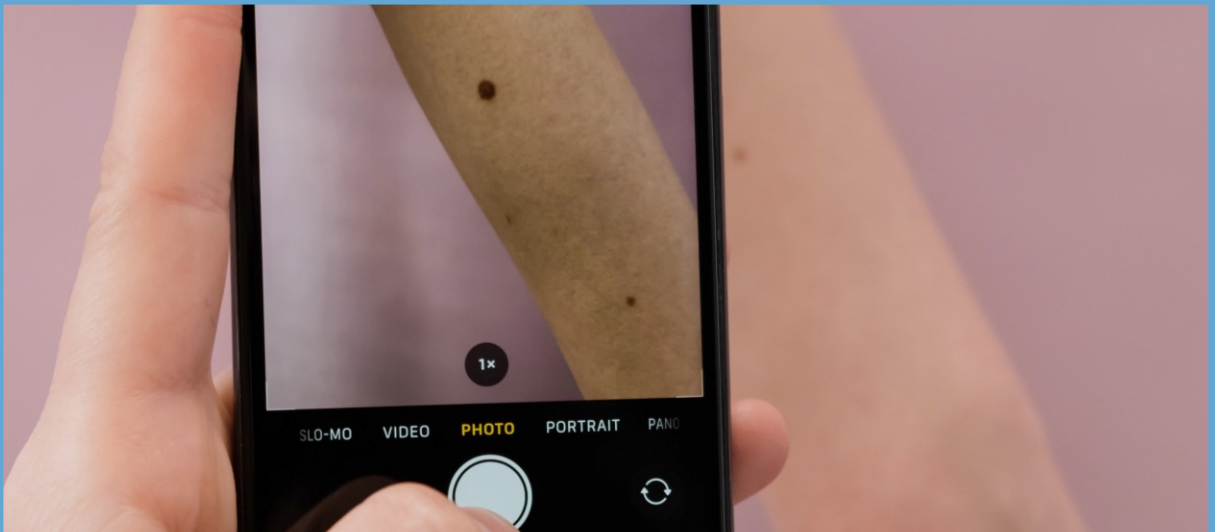
BIENNAL
CIUTAT
i CIÈNCIA
2021

The PRBB, venue of the Biennial and the Science Festival

From 8 to 12 June, the city celebrated the second edition of the Biennial City and Science and the fourteenth edition of the Science Festival, on Sunday, June 13.

The biennial had more than 100 activities in addition to the 120 proposals of the science festival. All these activities were carried out in 40 different spaces throughout Barcelona, among which the PRBB stands out, which was the **main venue of both** the biennial and the science festival.

→ [Read more](#)



Source: Pexels, Cottonbro

The 16th edition of the PRBB Award

The first prize was won by Núria González Cuesta, who has learned to program from scratch with the Python language to **apply Artificial Intelligence to the early diagnosis of melanoma**.

On Thursday, April 29, the PRBB Award ceremony for the best research work in health and life sciences was held. This award is announced annually by the PRBB and MELIS-UPF. **222 second-year high school students** from all over Catalonia participated and **201 research projects** were presented.

→ [Read more](#)



The PRBB launches a podcast on scientific dissemination in Catalan

Small **capsules of 15 minutes** explain the research carried out in the parks centres, through the vision of the leading researchers.

In September, “La Mare de la Ciència” (The Mother of Science) ranked **No. 1 in the life sciences category in Spain** in the Apple Podcasts rankings.

→ [Read more](#)



Source: Marta Vila, PRBB

#OpenPRBB, the PRBB's open week

The PRBB held its open week in hybrid format. Six intense days in which scientific dissemination has filled the PRBB's social networks and, above all, its YouTube channel.

The second edition of OpenPRBB has left us more than 15 videos of activities with **more than 40,000 views** and the first face-to-face event after the pandemic.

→ [Read more](#)



The news channel explaining the research highlights of all the PRBB centres published 140 new contents in Catalan, Spanish and English in 2021.

- 24 interviews
- 31 photos of the week
- 85 news
- 29 newsletters

→ [Read more](#)

Presence on the Internet and social networks

	2021	%	2020	2019	2018
Social media					
Twitter	18.600	+19	15.600	14.300	11.900
Facebook	3.900	0	3.900	3.875	3.541
Linkedin	11.869	+15	10.352	8.479	5.977
Instagram	1.893	+29	1.463	926	0
Youtube	500	+62	309	0	0
TOTAL	36.762	+16	31.624	27.580	21.418
Web prbb.org					
Visits	87.926	+4	84.400	56.196	125.429
Users	29.890	+5	28.600	36.659	39.269
El·lipse					
Visits	508.840	+75	290.000	33.895	0
Users	340.522	+85	184.000	22.823	0
Subscribers	1.704	+62	1.051	386	0

INFR ASTR UCT URE



Source: Unsplash, Elissa Garcia

New event streaming service

A new event broadcasting service is made available to users in order to facilitate hybrid events. This will allow, for example, to gather a small number of speakers in the Park and broadcast through almost any online platform for the rest of the public.

This service is free for the PRBB-CRG Conferences, Group Leader Seminars and Computational Seminars conference series.

→ [Read more](#)

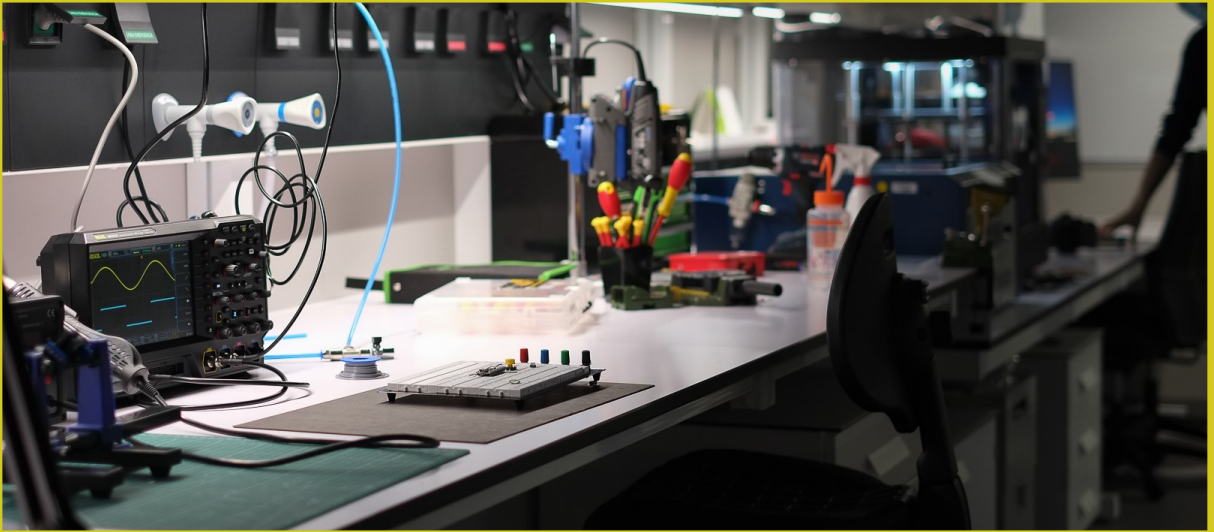


Francesc Manaut retires

The head of the IT department of the PRBB retires in July, after spending almost 40 years linked to the Park; first 21 years at IMIM and then 16 years at the PRBB – since its creation.

Thank you, Francesc, for all these years dedicated to the PRBB, and enjoy this new stage!

→ [Read more](#)



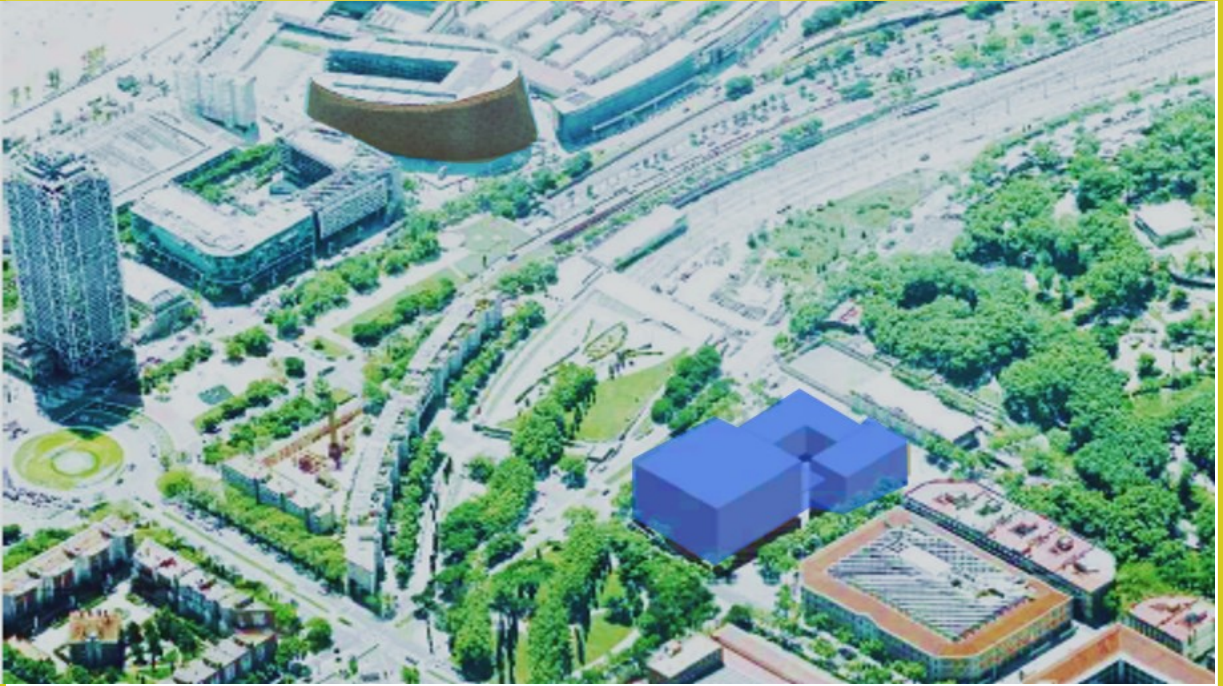
Source: Albert Català, PRBB

The new μ FabLab of the PRBB is intended to break down barriers in biomedical research

An old warehouse in the basement -2 was converted into an ISO 8 white room. EMBL, CRG, UPF and IMIM have filled the space with equipment to manufacture small prototypes. Two 3D printers stand out, a small CNC milling machine and, finally, an electronics bank to generate small controllable prototypes.

Consumption and maintenance data

	2021	%	2020	2019
Electricity	13.206.107 kWh	+2	12.935.304	13.211.926
Natural gas	5.379.804 kWh	+8	4.965.977	4.879.619
Water	25.300 m3	+1	25.012	24.622
Liquid nitrogen	360.195 litres	+4	344.921	264.625
Nitrogen gas	81.329 litres	+23	66.016	74.741
CO2	33.540 Kg	+65	20.355	24.508



The Mercat del Peix

- Approval of the special urbanistic plan in March 2021
- 3 buildings with 45,000 m2
- 1,200 people
- Construction 2022-2025
- 92.8 M€ investment
- Entities: BIST, IBE, UPF

→ [Read more](#)

03.2021



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