

CERCA

Research centres
of Catalonia

Fostering excellence
in research for the
benefit of society

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KEY FIGURES ON CATALONIA



€ 90.18 B
Imports

€ 71.62 B
Exports

€ 242 B
GDP

7.6 M
Population

€ 45.86
Total Industrial
GDP

25%
of Spain's
Exports

2.6%
Spain's
GDP Growth

16%
Spanish
population

€ 23.195 M
Direct Foreign
Investment
(2014-2018)

1.3%
EU's exports

1.5%
EU's GDP

1.5%
EU population

Data 2018



ERC funds
519 M€

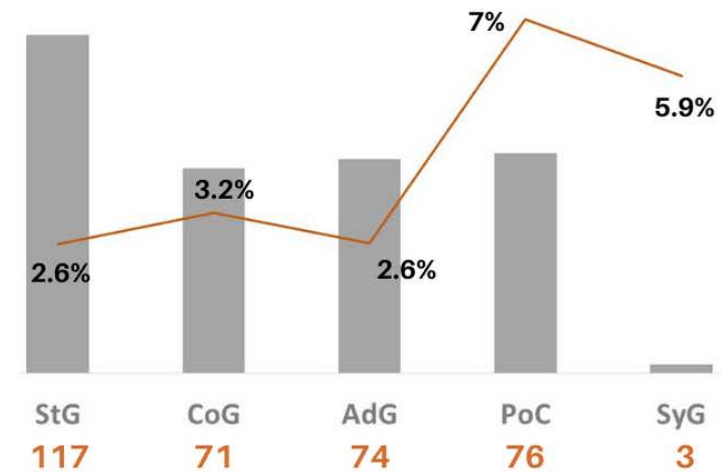
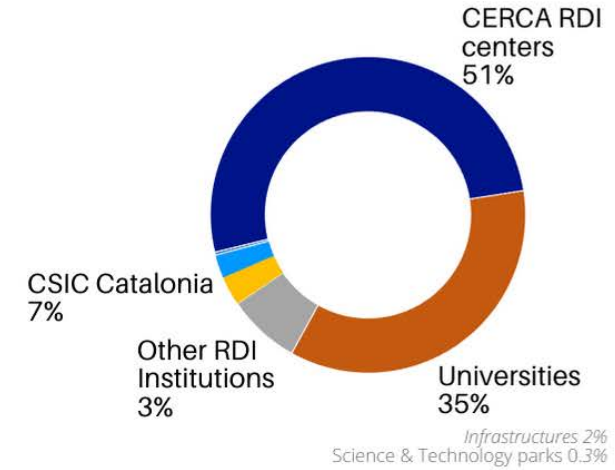
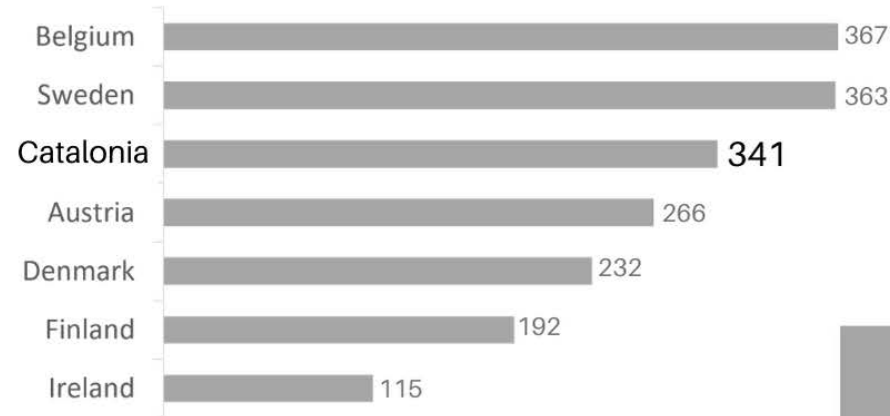
ERA funds *
3,2%

ERC grants
341

* percentage of funds allocated to the programme

Catalan participation European Research Council

2007-2019



* number of ERC grants; percentage of funds allocated to each type of grant; SyG: number of projects

Data source: ERC Jan 2020
Not including: AdG'19
agaur.gencat.cat
spei.agaur@gencat.cat



44%

Physical Sciences and Engineering



30%

Social Sciences and Humanities



26%

Life Sciences

* Include: StG, CoG and AdG

Universities
Hospitals
Philantropy.
Government
Companies
Municipalities



39

CERCA Research centres



SCIENCES



LIFE SCIENCES



HEALTH AND MEDICAL SCIENCES



ENGINEERING



SOCIAL SCIENCE AND HUMANITIES



ICN2
@icn2nano

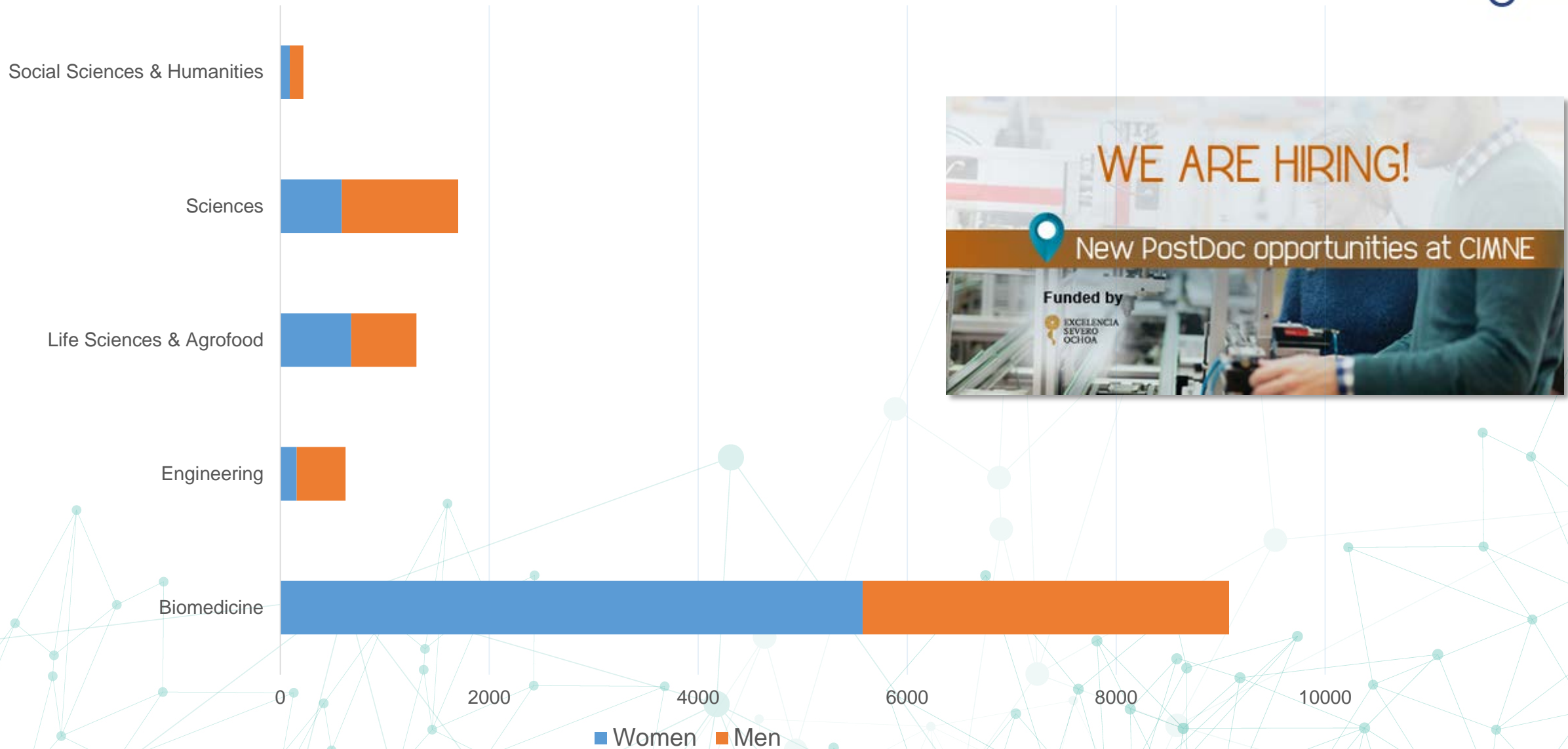
Dr Bhawna Nagar and Dr Núria Fabri Faja, former ICN2 PhD students, have been granted the @iCERCA Pioneer Award 2019. The prize is a recognition for #research works that stand out for their industrial- and commercial-oriented perspective. icn2.cat/en/industry-se...

Tradueix el tuit

Tu i 9 més

4:41 p. m. · 17 de des. de 2019 · Twitter Web App

CERCA Staff (Researchers & others)



CERCA CENTRES



13,000

People employed



€ 480M **€ 1,000M**

Budged

Assets



10,000

annual articles WoS



€ 342M

747 Projects from the
H2020 Programme



100

European Research
Council Grants



32

Highly cited researchers
Clarivate

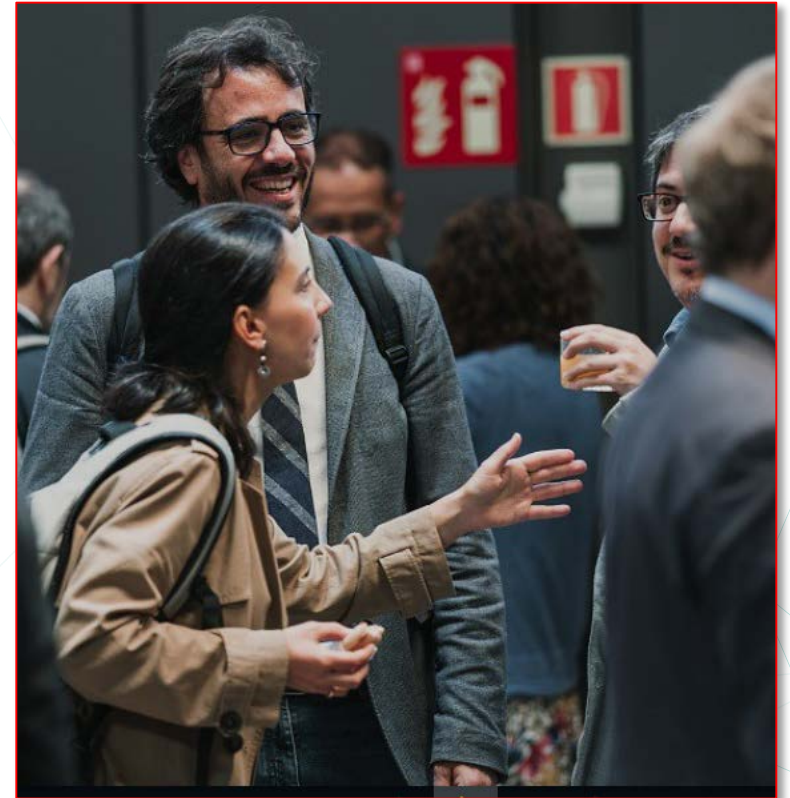


52

Projects
Ginjol Patents Fund



Periodic assessment
system with more than 400
international experts



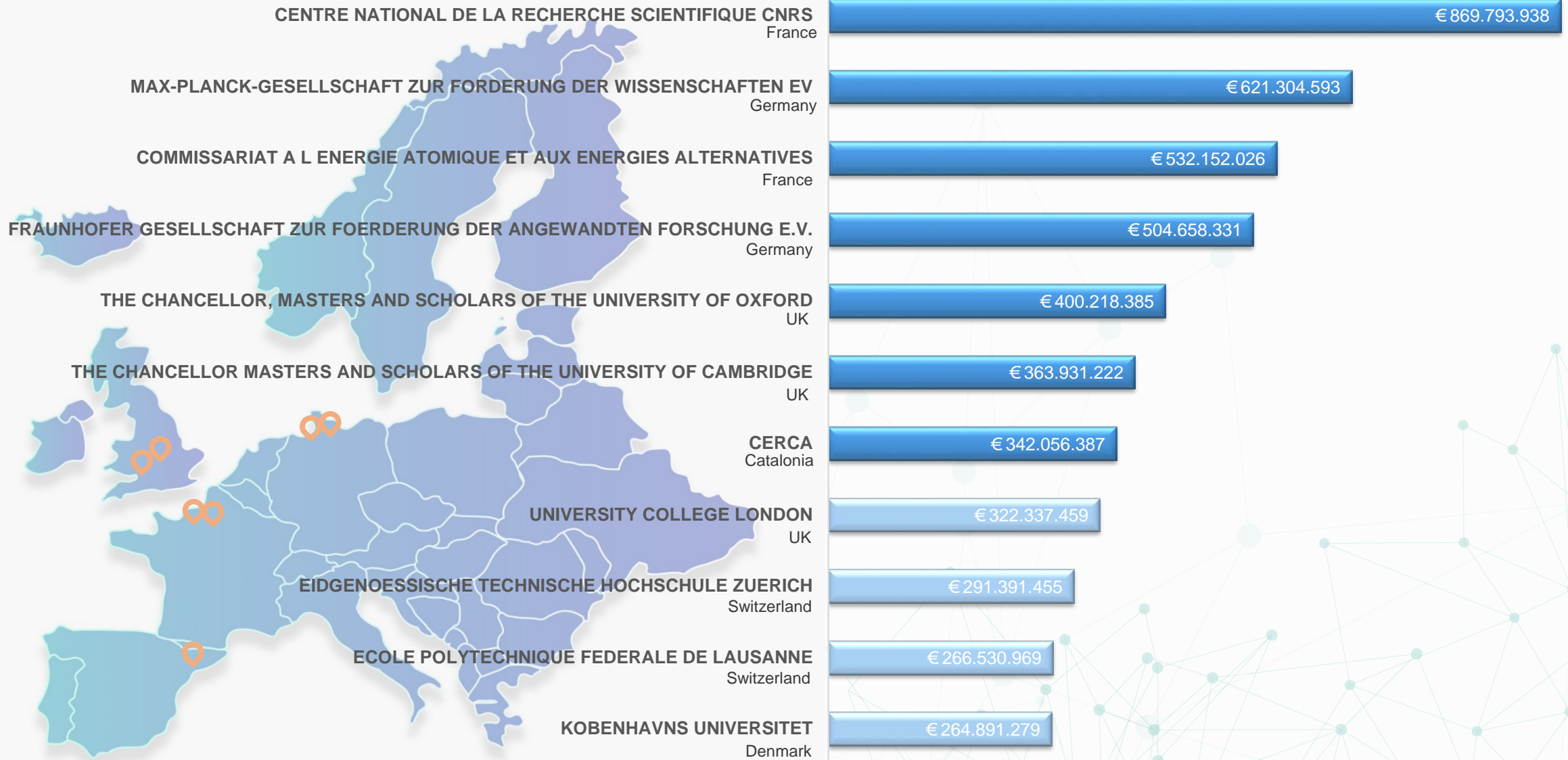
October 23, 2018

Researchers from IDIBAPS and CRG, awarded with an ERC Synergy grant to unravel chronic lymphocytic leukemia



The **European Research Council (ERC)** today announced the results of the 2018 Synergy Grants call for proposals. The aim of Synergy Grants is to address ambitious research questions that can only be answered by the coordinated work of a small group of two to four principal investigators and their teams, bringing together their complementary skills, knowledge and resources. The ultimate goal of the scheme is to give support to a close collaborative interaction that will enable transformative research at the forefront of science, capable of yielding groundbreaking or even unpredictable scientific results and/or cross-fertilizing disciplines.

CERCAセンターは、EU H2020フレームワークプログラムの融資とプロジェクトに関して、重要な役割を持つEUの主要科学10機関の1つになっています。





CERCA evaluation



The periodical assessment of the activity and operation of any system is an essential mechanism for defining and applying policies based on strategic planning.

In the case of research centres, assessment is a fundamental practice, habitual in the world's most advanced and renowned systems. International standards are well defined in this respect and assessments are usually carried out by an independent panel of renowned experts.

Following a mandate from the Catalan Parliament and, subsequently, from the Government, the CERCA Institute has coordinated the assessment of CERCA research centres with the aim of analysing fulfilment of each one's mission in the last three years. As a result of this action, undertaken between February 2012 and December 2013, more than 500 high added-value recommendations were made to be applied mainly by the management of each centre in the next four years, before the next assessment.



GÍN JOL IN NUMBERS

6

Calls

98

Projects Submitted

514,000€

Invested

21

Partner Centres

PORTFOLIO

52

Projects funded

39

Health and Medical Sciences Projects

1

Life Sciences Projects

4

Sciences Projects

8

Engineering Projects

Technology readiness levels (TRL)



TRL 1-3 (low)

Basic principles observed

Projects should start paying returns 5 to 7 years.

32

projects



TRL 4-6 (medium)

Experimental proof of concept

Projects should start paying returns 3 to 5 years.

14

projects



TRL 6-9 (high)

Actual system proven in operational environment.

Projects should start paying returns 2 to 3 years.

6

projects

CERCA GÍN JOL PORTFOLIO



GAS-1
IDIBELL

2017 - 2nd edition

PH
CRAG

2017 - 2nd edition

DR THERAPY
VHIR

2017 - 2nd edition

CANINHIB
IDIBELL

2016 - 1st edition

AB-ADJUVANTS
VHIR

CARDIOCALP
VHIR

2017 - 2nd edition

CUAT
IDIBAPS

2017 - 2nd edition

CeNPs4HCC
IDIBAPS - ICN2

2017 - 2nd edition

THERMOFLASHOT
VHIR

2016 - 1st edition

PSM-MOFs
ICN2

iPOLE
CTTC

2017 - 2nd edition

NCPC
IBEC

2017 - 2nd edition

ELLA STAPLER-02
IDIBELL

2017 - 2nd edition

PLATFORM-02
IGTP

2016 - 1st edition

HH-LAB
ICN2

Synucleinopathies Diagnostic
IGTP

2019 - 5th edition

3DBoNT
IFAE

2018 - 4th edition

ISCHEMSURG-2
IBEC

2018 - 4th edition

SUTURE-2
IGTP

2018 - 4th edition

VIP
IFAE

2017 - 3rd edition

CLIFE-1 GEL
IDIBELL

MetalA-MDR 02
ISGLOBAL

2019 - 5th edition

LEGO-CHEM
ICIQ

2018 - 4th edition

EVsBioCD
ISGLOBAL

2018 - 4th edition

GELATIN
VHIR

2018 - 4th edition

GLIGHT
CTTC

2017 - 3rd edition

GREENFUEL
ICIQ

NANOJANUS
VHIR

2019 - 5th edition

PHOTO-RX 02
ICIQ

2018 - 4th edition

3D-START
ICIQ

2018 - 4th edition

Ocular Brachytherapy
IDIBELL

2017 - 3rd edition

ISCHEMSURG
IBEC

2017 - 3rd edition

2shRHA
IRB Barcelona

Impacts from CERCA

- CARLA: democratising autonomous driving with an open source Simulator. CVC
- Positive response of cardíac patients to a bioengineering implant designed to repair heart tissue. IBEC
- (Nano)capsules for a more aromàtic laundry. ICN2
- Full or near complete recovery of autoimmune encephalitis
- Yaws, from finding a treatment in a remote island to potential elimination worldwide
- Improving people's well being in Health and work places with smart spectraly tunable lighting system

Open access availability of Catalonia research output: Case analysis of the CERCA institution, 2011-2015

Anna Rovira ✉, Cristóbal Urbano ✉, Ernest Abadal ✉

Published: May 7, 2019 • <https://doi.org/10.1371/journal.pone.0216597>

4 Conclusions

The CERCA centre network provides Catalonia with powerful research infrastructure, as it has achieved high levels of scientific output and attracts a great deal of research funding.

Based on a sample of 3,730 articles published by CERCA's researchers between 2011 and 2015 our findings indicated that 75.8% of the articles were available online in open access format, applying the broadest definition of open access. Regarding the articles found in open access according to thematic areas, all six areas (science, life sciences, medical and health sciences, engineering and architecture and humanities) exceeded 70% of articles in open access. When only articles in repositories or open access journals were taken into account, just 52% of the scientific output was openly available.

The Government approves the
creation of the CERCA Institution .
April 13th 2010



Thank you

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www.cerca.cat/en/

[@iCERCA](https://twitter.com/iCERCA)