

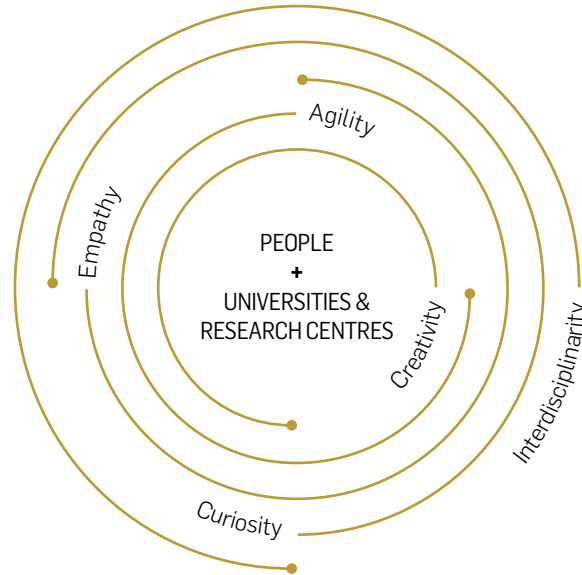
ICREA MEMOIR 2017

A year in review



ICREA

ICREA gathers a community of top scientists and academics from all over the world who work in the Catalan research ecosystem. The community pursues research on the frontiers of knowledge, across all academic disciplines, from philosophy to astrophysics.



Excellence

ICREA has been instrumental towards the academic recognition achieved by Catalan research over the last 16 years.

ICREA RESEARCH PROFESSORS

There are 254 ICREA Research Professors hired by ICREA after a highly competitive selection process.
At the time of hiring, half of them were working abroad, mainly in the USA, UK and Germany.

254 ICREA Research Professors
26 Nationalities represented



These are a few ICREA Research Professors who received awards in 2017:



SALVADOR AZNAR-BENITAH
Premi Ciutat de Barcelona 2016, Ciències de la Vida.



JOSEP DALMAU
Premio Rey Jaime I en Investigación Médica/ Medicina Clínica 2017



TONI GABALDÓN
2017 Margaret Dayhoff Mid-Career Award



TOMÀS MARQUÈS BONET
Howard Hughes International Young Investigator 2016



PURA MUÑOZ
1er Premi Vanguardia de la Ciència 2016



ROMAIN QUIDANT
I Premi Banc de Sabadell a les Ciències i l'Enginyeria



CARME ROVIRA I VIRGILI
Premi Ciutat de Barcelona 2016, Ciències Experimentals



SAMUEL SÁNCHEZ
Premi Nacional de Recerca al Talent Jove 2016



LICIA VERDE
2018 Breakthrough Prize in Fundamental Astronomy as member of the WMAP Science Team

Talent

ICREA Research Professors received in 2017 major awards and honours for their contribution to the advancement of humankind through outstanding research.

THE PLACE TO BE

In 2017, 48 host institutions, both universities and research centres, are hosting ICREA Research Professors in Catalonia. They are outstanding places to do research, bringing the most talented global scientists year after year.

48

Host institutions

9

Universities

39

Research centres

11



Hold Severo Ochoa
Centres of Excellence
Awards

6



Hold Maria de Maeztu
Units of Excellence
Awards



Prestige

A network of reputed universities and research centres at the forefront of science attracting top academics from all over the world.

SCIENCE THAT COUNTS

ICREA Research Professors are an employment powerhouse. In 2017, each of them brought to Catalonia 355,000 euros of external funding, nearly four times their cost. Moreover, each of them kept an average of 7.2 full-time, highly qualified jobs directly supported by research grants.

90M€

Funds

53%

European Commission grants (mostly ERC)

25%

Spanish national research funds

355K€

Average funds attracted by an ICREA Research Professor

7.2

Average full-time jobs maintained



1 in 3 ICREA Research Professors obtained an ERC grant

Contribution

Since its creation in 2001, ICREA Research Professors have attracted to Catalonia over 690 million euros in research funds. The accumulated cost of ICREA is 233 million euros.

WORKING HARD

ICREA Research Professors are extremely active academics.

In 2017, they published 28 books, 85 book chapters and 1,824 articles in journals, 93% of them in the first quartile.

In 2017, ICREA papers were cited 2.3 times more than the average paper in each discipline.

Four ICREA Research Professors among the world's most cited researchers in 2017, according to Clarivate Analytics.



JOSEP DALMAU
IDIBAPS



MACIEJ LEWENSTEIN
ICFO



JOSEP M. LLOVET
IDIBAPS



SERGEI ODINTSOV
CSIC-ICE

2,002

Total publications

177

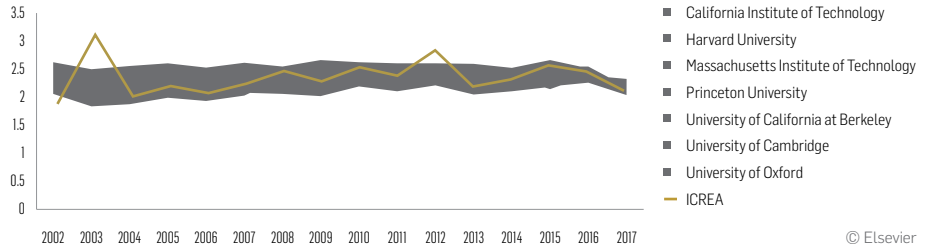
PhD theses

93%

Articles in first quartile

ICREA is amongst the leading research institutions in the world

FIELD-WEIGHTED CITATION IMPACT



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Quality

ICREA Research Professors produce a large amount of high profile publications of all kinds and are an extremely influential scientific community.

ICREA ACADEMIA

Since 2008, ICREA also supports the most promising professors in Catalan public universities to intensify their research activities.

ICREA Academia grantees are in a fully active and expansive phase of their research career.

They only represent 1.5% of all academics in Catalonia. At the end of 2017, there are 115 active ICREA Academia grants.

209

ICREA Academia
grants to date

5

year grant

7

Public universities
in Catalonia

115

Active grants

1.5%

of all academics
in Catalonia

Universitat de Barcelona (UB)
Universitat Autònoma de Barcelona (UAB)
Universitat Politècnica de Catalunya (UPC)
Universitat Pompeu Fabra (UPF)
Universitat de Lleida (UdL)
Universitat de Girona (UdG)
Universitat Rovira i Virgili (URV)

Collaboration

Science has no frontiers.

Catalan universities collaborate with a rich network of universities worldwide.

KONSTANTIN NOVOSELOV
Nobel Prize in Physics 2010



“

It is extremely refreshing to collaborate with people from ICREA. Ranging from most fundamental science to applications – their expertise covers broad and deep. ”

ADAM RIESS
Nobel Prize in Physics 2011



“

*I have had wonderful
experiences collaborating with
scientists from ICREA.
I count them as some of the best
in the world.*”

THOMAS J. SARGENT
Nobel Prize in Economic Sciences 2011



“

*The economics research
community in Barcelona is one of
the best in the world.
ICREA has been a key contributor
for this to happen.* ”

INNOVATION

While innovation is not ICREA's core business, the ICREA community is remarkably innovative and entrepreneurial. ICREA co-owns 188 patents, of which 52 are currently licensed. ICREA spin-off companies keep attracting significant investments for the development of breakthrough technologies.

188

Patents

52

Patents licensed

to

49

companies

31

ERC Proof of Concept
innovation grants

90M€

Total raised capital

60M€

Raised in the last 5 years

24

Spin-off companies

41%

of all ERC PoC
awarded in Spain

Impact

As it is always the case with outstanding science, ICREA research impact extends beyond academia to bring about deep changes in our society and to shape our future world.

LESS IS MORE

ICREA has the tiniest executive team in the known universe: whilst the community keeps growing, only six people run ICREA on a daily basis.

97%

Researchers salaries

1.7%

Evaluation, selection
and running costs

1.3%

Admin. salaries

100%

Government of Catalonia