

ICREA MEMOIR 2018

THE NEED TO KNOW



www.icrea.cat/memoir2018

A pair of hands is shown holding a small, dark, textured object, possibly a seed or a small rock, against a solid yellow background. The hands are positioned on the left and right sides of the frame, with the fingers gently gripping the object. The lighting is soft, highlighting the texture of the object and the skin of the hands.

GROW
FIND
DISCOVER
DREAM

THE NEED TO

SHARE
TRANSFORM
NURTURE
EXPLAIN
COOPERATE

A close-up photograph of a person's hand holding a small, young plant seedling. The seedling has three rounded leaves and a dense root system with soil attached. The entire image is overlaid with a semi-transparent blue filter. The text "THE NEED TO GROW" is centered over the image in a white, sans-serif font.

THE NEED TO GROW

Science is a universal human enterprise, and every research system has to find its own way to success.

ICREA is an institution founded in 2001 by the Government of Catalonia tailored to the particular needs of our research system. It has succeeded in gathering one of the most influential research communities in the world.

The mission of ICREA is to attract and retain exceptional researchers from all over the world to promote the impact and global visibility of Catalan universities and research centres.

In 2018, as many as 10 ICREA Research Professors have ranked in the top 1% most cited academics in the world.

What is our secret?

A close-up photograph of a hand holding an open, vintage-style compass. The compass is black with a silver-colored bezel and a detailed face showing cardinal and intercardinal directions (N, NE, E, SE, S, SW, W, NW) along with degree markings. The hand is positioned palm-up, with the thumb and index finger supporting the compass. The entire image is overlaid with a semi-transparent teal filter. The text "THE NEED TO FIND" is centered in a white, bold, sans-serif font.

THE NEED TO FIND

We are not defined by our origins, but by our choices.

ICREA chooses researchers through a robust, merit-based process that relies on the opinions of independent, high profile experts who look for quality and excellence, creativity and talent.

We are committed to hiring the minds that will shape the thoughts of future generations.



ICREA is a signatory of the San Francisco Declaration of Research Assessment.

ICREA is an institution without walls. ICREA Research Professors choose their host institutions within the Catalan research system where they act as research leaders and attractors of additional talent.



ICREA Research Professors can move freely within the Catalan research system keeping their ICREA position.

A hand holds a camera lens, with the aperture showing a landscape of mountains and water. The entire image is bathed in a warm, golden-yellow light. The text "THE NEED TO DISCOVER" is centered over the lens in a white, serif font.

THE NEED TO DISCOVER

ICREA gathers a vibrant community of scientists and academics who contribute to the advancement of humankind by exploring, interpreting and questioning. ICREA is constantly expanding and attracting new talent.

264

ICREA Research Professors

hold permanent ICREA positions

as of 31st December 2018.

127

in universities

115

in CERCA centres

14

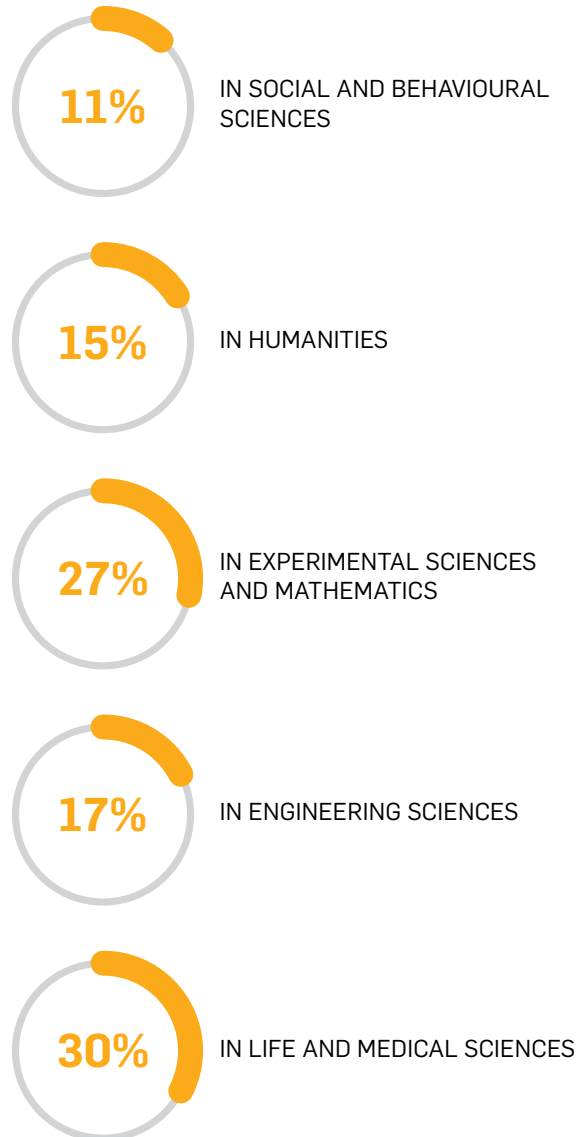
in CSIC centres

8

in other research
institutions

An external, independent Promotion Committee regularly evaluates their performance throughout their career.

ICREAs IN EVERY AREA



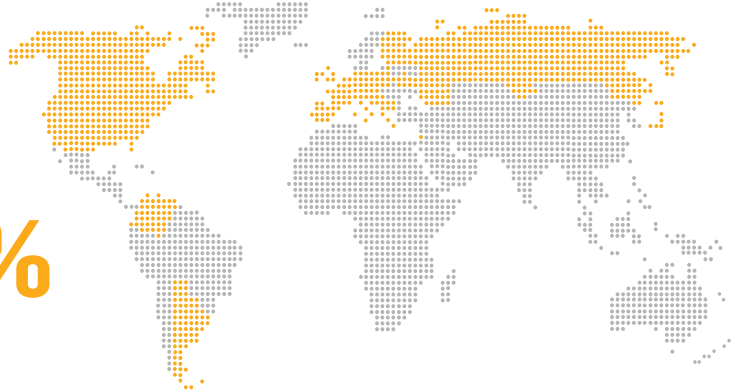
ICREAs FROM MANY COUNTRIES

29

nationalities
represented

43%

non-Spanish
nationals



ICREA is an equal opportunities organization and does not allow discrimination by gender, age, nationality, racial group, nor any other possible discriminatory issues. ICREA supports and promotes an inclusive environment at the workplace.



In 2018, ICREA was recognized by EURAXESS with the Human Resources Strategy for Researchers award (HRS4R).

"[ICREA] is a unique organisation that was established to attract scientific talent to Catalonia. It is an exemplary organisation that has been set up to provide a great deal of research independence for senior researchers. The core staff is small but yet highly productive. There is a very strong international peer review process that has been introduced to hire researchers. It is clear that ICREA adheres to the Principles of the Charter and Code."

A hand holding a glass jar, with a cloud of red dust or powder falling from the opening. The entire scene is set against a solid red background. The text "THE NEED TO DREAM" is overlaid in white, bold, sans-serif capital letters.

THE NEED TO DREAM

ICREA Research Professors often attain recognition for pursuing research on the frontiers of knowledge. This year was no exception: they continued to receive major awards and honours for their contribution to the advancement of humankind through their outstanding research.

These are a few ICREA Research Professors who received awards in 2018.



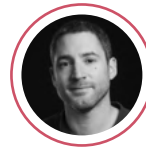
**SALVADOR
AZNAR-BENITAH**

EMBO Member



JOSEP DALMAU

The 2018 Zülch Prize
The Sobek Prize for Research
in Inflammation



MANUEL IRIMIA

EMBO Young
Investigator



RUBEN MARTIN ROMO

II Premi Banc de Sabadell
a les Ciències i l'Enginyeria
14th Hirata Award



LUIS SERRANO

XII Premio Fundación
Francisco Cobos



MANUEL SERRANO

Premio Severo Ochoa de la
Fundación Ferrer



XAVIER TREPAT

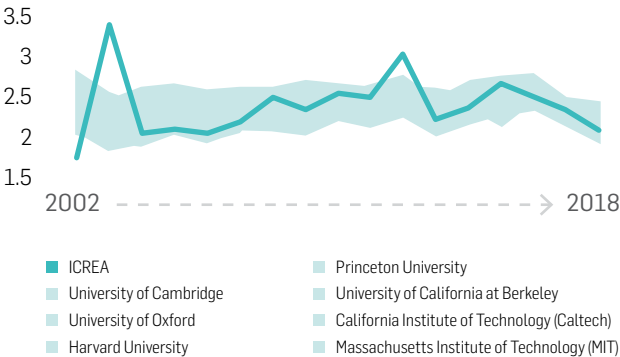
EMBO Member

A close-up photograph of a hand reaching down to touch a calm body of water, creating a clear reflection. The entire image is overlaid with a semi-transparent teal color. The text 'THE NEED TO SHARE' is centered in white, uppercase letters.

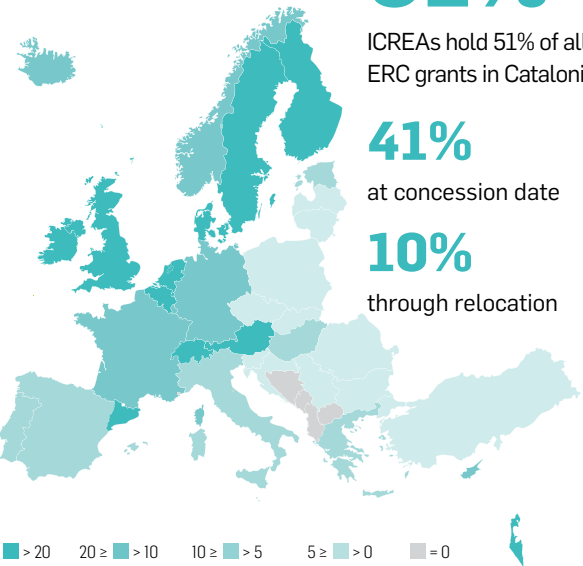
THE NEED TO SHARE

ICREA among leading research institutions in the world.

FIELD-WEIGHTED CITATION IMPACT



ERC GRANTS PER MILLION INHABITANTS



Catalan universities and research centres provide an exceptional environment for research. Thanks to this, ICREA Research Professors in 2018 have been able to continue performing beyond expectations.

This year, **10** ICREA Research Professors have been included among the **top 1% most cited researchers worldwide** by Clarivate Analytics.



**JOSEP
DALMAU**
IDIBAPS



**MANEL
ESTELLER**
IDIBELL



**TONI
GABALDON**
CRG



**JOSEP M.
LLOVET**
IDIBAPS



**FRANK
KOPPENS**
ICFO



**MACIEJ
LEWENSTEIN**
ICFO



**MAURIZIO
MENCUCCINI**
CREAF



**SERGEI
ODINTSOV**
CSIC-ICE

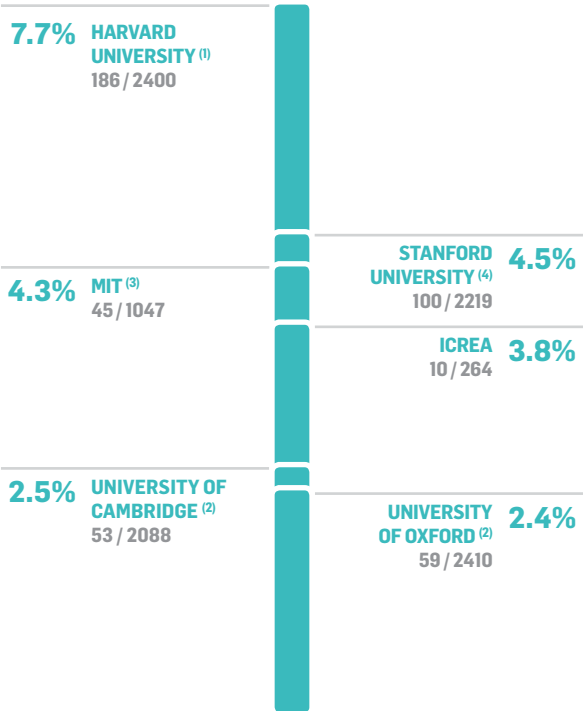


**MIRA
PETROVIC**
ICRA



**ROMAIN
QUIDANT**
ICFO

HIGHLY CITED OVER TOTAL ACTIVE PI



Citation scores come from: Clarivate analytics HCR report 2018
Number of active PI of each institution comes from: (1) www.harvard.edu
(2) REF 2014 figures (3) <https://web.mit.edu/facts/research.html>
(4) https://facts.stanford.edu/wp-content/uploads/sites/20/2018/11/StanfordFacts_2018.pdf

ICREA Research Professors produce a staggering amount of high profile publications, and are an extremely influential scientific community.

2,020 91%

total publications

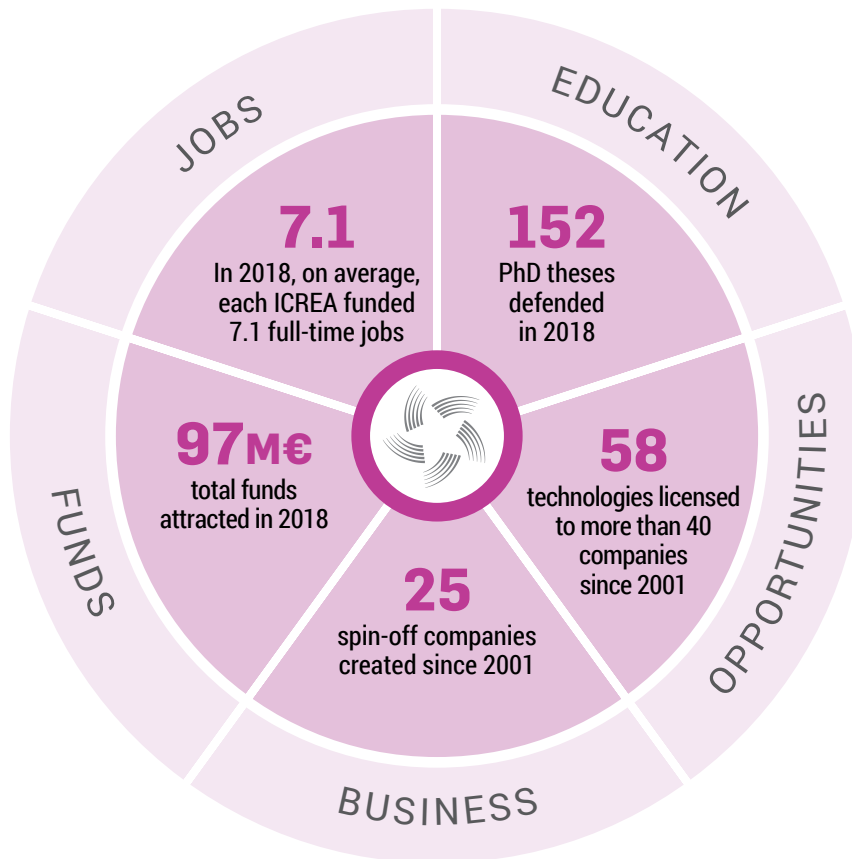
articles in the first quartile



THE NEED TO TRANSFORM

There is neither basic nor translational science. There is only science, which changes the way we understand ourselves and the universe, and which eventually leads to amazing discoveries. In the meantime, it attracts funds, creates occupation and brings new technologies and opportunities.

These are some relevant figures of our achievements:





THE NEED TO NURTURE

To further support research in Catalan public universities, ICREA offers research intensification grants to selected faculty who are in an expanding phase of their careers through the **ICREA Academia programme**. Awardees increase their global impact and gain international recognition and visibility.

5-year

grant

1.5%

of all tenured faculty in Catalonia

269

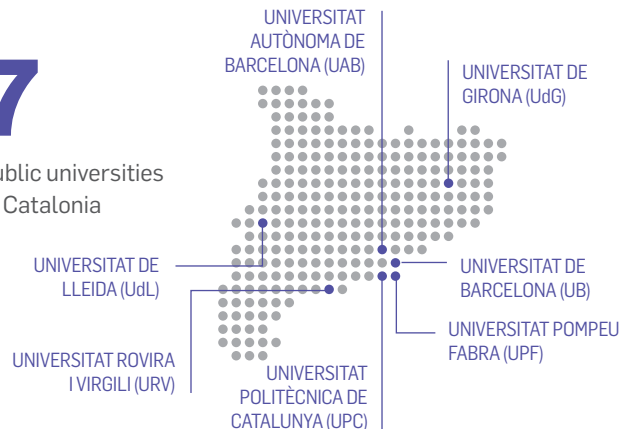
ICREA Academia grants to date

120

active grants

7

public universities in Catalonia

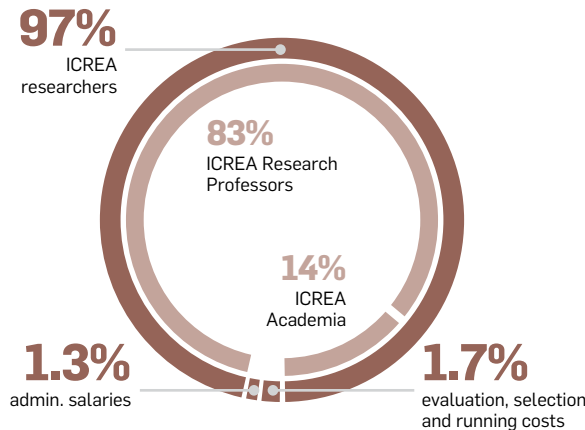


This year, 3 ICREA Academia awardees have also been included among the top 1% most cited researchers by Clarivate Analytics.

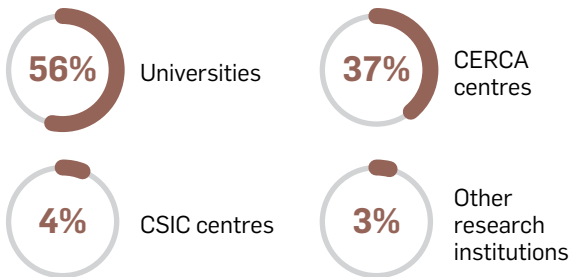
A hand holding a magnifying glass, with the text 'THE NEED TO EXPLAIN' centered within the lens. The background is a solid, muted reddish-brown color. The hand is positioned at the bottom right, with the thumb and index finger gripping the handle of the magnifying glass. The lens is held up, and the text is clearly visible within it.

THE NEED TO EXPLAIN

We are very proud to say that most all our funding comes from the Government of Catalonia. We use it wisely and invest the funds with the utmost care to make sure that our resources are directly turned into the best possible science. Here is a snapshot of our budget structure.



RESEARCH FUNDS BY TYPE OF HOST INSTITUTION



100%
Government of Catalonia

A close-up photograph of two hands clasped together in a firm, interlocking grip. The hands are positioned centrally, with fingers of one hand wrapped around the other. The skin tone is light, and the lighting is soft, highlighting the texture of the skin and the strength of the handshake. The background is a solid, muted yellow color, which provides a warm and positive atmosphere. The overall composition is simple and direct, emphasizing the theme of cooperation and teamwork.

THE NEED TO COOPERATE

In the end, our secret is no secret at all. ICREA is an instrument carefully crafted to meet the needs of the Catalan research system, which has become a symbol of its excellence. We are grateful to our 48 host institutions allied under the same values and vision: to use research to contribute to a fairer, safer and more prosperous society for all.

This is our secret.

Find out more at: www.icrea.cat/memoir2018



ICREA promotes the advancement of science as a contribution to a knowledge society that is peaceful, sustainable and fair for all, which provides welfare, defends equality and guarantees freedom.



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Generalitat de Catalunya
Government of Catalonia

