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Sesión D3 – Los Highly Cited Researchers y Research Fronts

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Sesión D3 – Los Highly Cited Researchers y Research Fronts

- ¿Qué es un Research Front?
- Lo que significa ser un Highly Cited Researcher
- Nuestro programa de reconocimiento a los investigadores

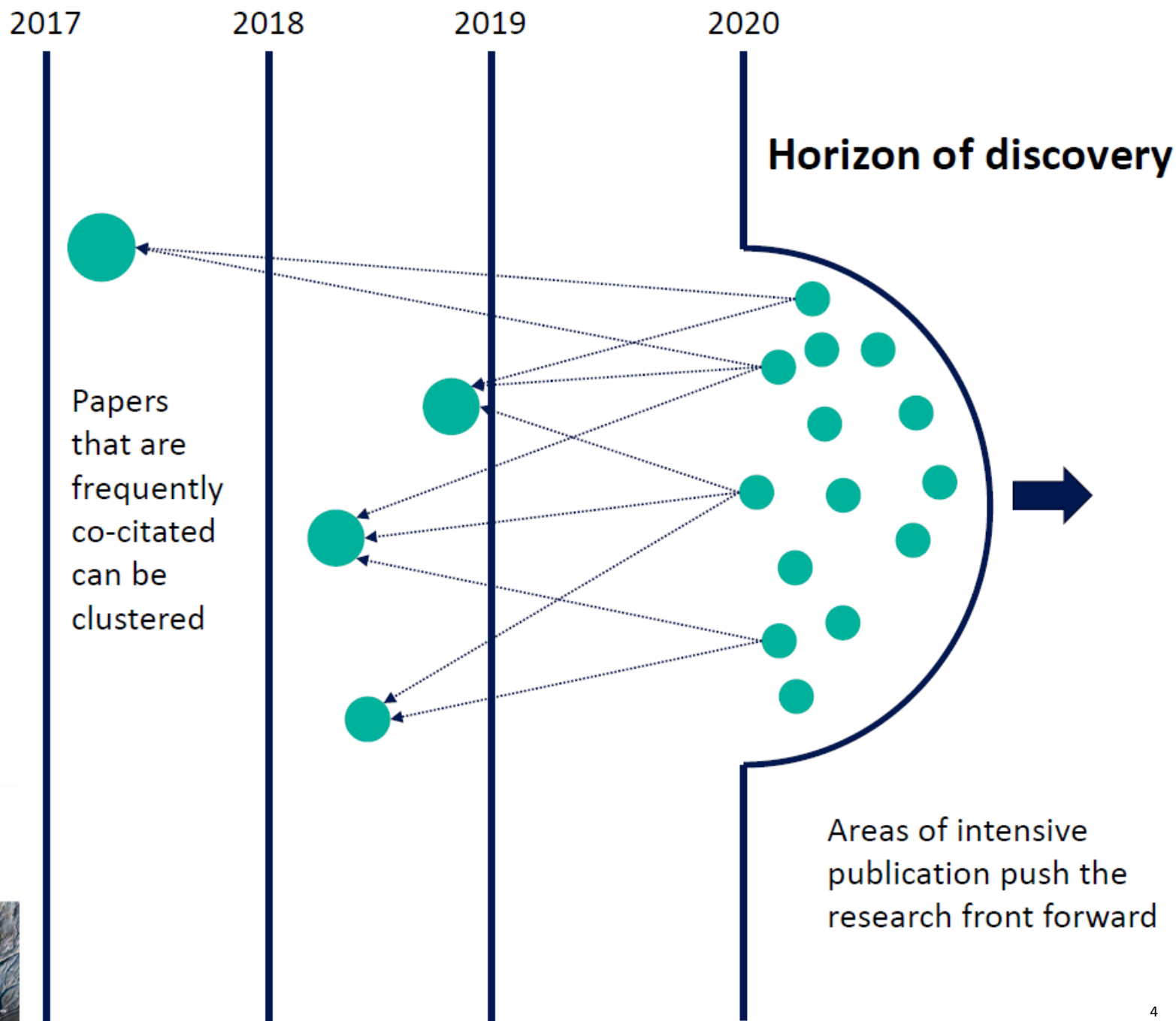
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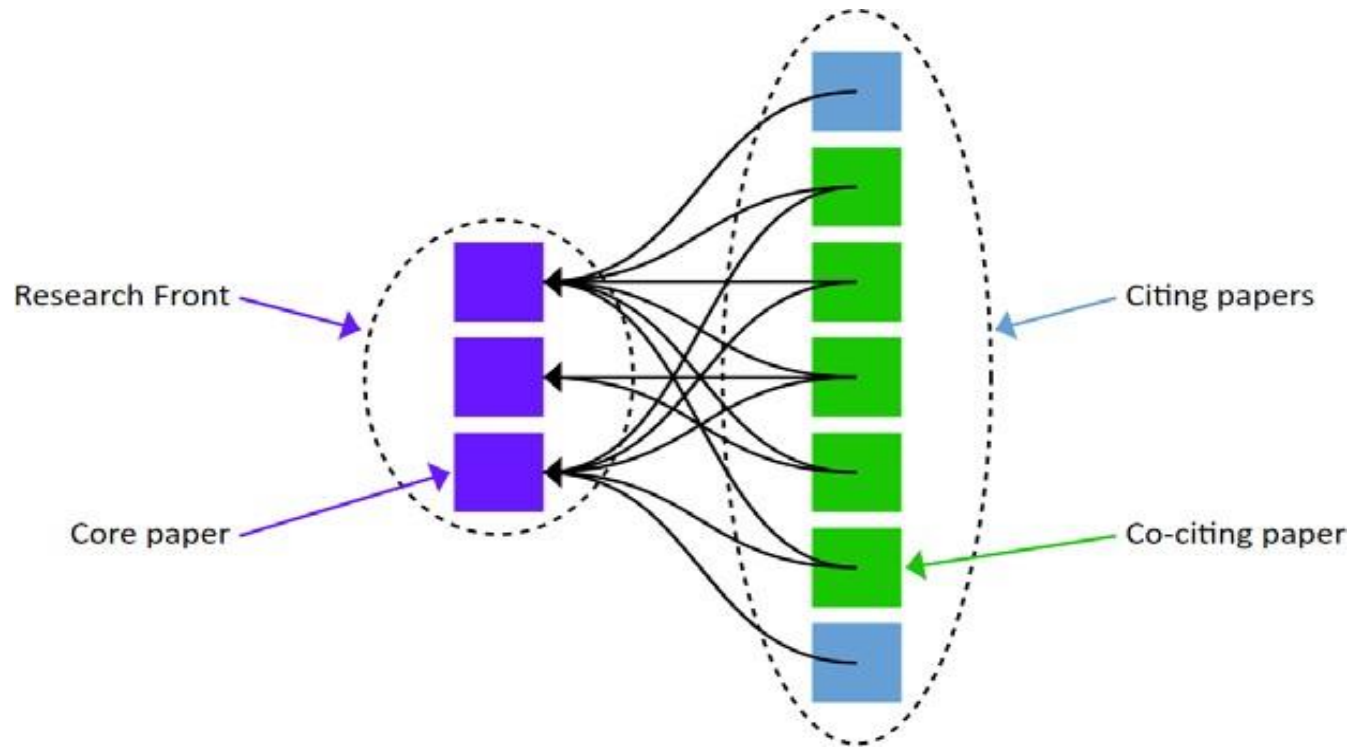
Research Fronts

At the horizon, intensive publication activity can be detected and grouped according to the previous research that was cited (aka co-citation)

The most highly cited papers serve as landmarks, allowing us to cluster related research into Research Fronts – areas of intensive publication on the leading edge of scientific discovery



What is a Research Front?



- A subset of recent literature (the current year and prior five years – 2014-2019) from Essential Science Indicators (ESI) is selected for analysis.
- With clusters of highly cited papers in place, we form a set of core papers for each Research Front and attach the set of co-citing papers, those that are more recent and at the leading edge.
- Field Classification: Research fronts are assigned to the 22 broad fields based on the field of the most frequently occurring journal in the front.

Research Fronts in Essential Science Indicators

Results List

Research Fronts

Filter Results By ?

Changing the filter field removes all current filters.

Add Filter »

* Immunology

Include Results For

Top Papers

Clear

Save Criteria

Map View by Top / Hot / Highly Cited Papers

Show Visualization +

Report View by Selection

Customize

Total: 303

Research Fronts

Top Papers

Meat Year

1 SARS-COV-2 RNA DETECTION; EARLY SARS-COV-2 OUTBREAK DETECTION; WASTEWATER ANTICIPATED COVID-19 OCCURRENCE; SARS-COV-2 DETECTION; SARS-COV-2 RNA

2 RELAPSED/REFRACTORY CLASSIC HODGKIN LYMPHOMA; RELAPSED HODGKIN LYMPHOMA; REFRACTORY CLASSICAL HODGKIN LYMPHOMA (ORIENT-1); RELAPSED/REFRACTORY PRIMARY MEDIASTINAL LARGE B-CELL LYMPHOMA; ADVANCED STAGE CLASSIC HODGKIN LYMPHOMA

3 COVID-19 VACCINE HESITANCY WORLDWIDE; COVID-19 VACCINE HESITANCY; COVID-19 VACCINE ACCEPTANCE; FUTURE COVID-19 VACCINE; ACCEPT COVID-19 VACCINE

4 SEVERE COVID-19 INFECTION; DYNAMIC COVID-19 IMMUNE SIGNATURE INCLUDES ASSOCIATIONS; COVID-19 PATIENT COVID-19 CONVALESCENT INDIVIDUALS; CROSS-REACTION SARS-COV-2 T CELL EPITOPES

5 NATIONAL PROSPECTIVE OBSERVATIONAL SWISS COVID-19 LUNG; COVID-19 SURVIVORS THREE MONTHS; POST-ACUTE COVID-19 SYNDROME; NONCRITICAL COVID-19 TWO MONTHS; CONVALESCENT COVID-19 PATIENTS

Documents

Filter Results By ?

Add Filter »

* COVID-19 VACCINE HESITANCY WORLDWIDE; COVID-19 VACCINE HESITANCY; COVID-19 VACCINE ACCEPTANCE; FUTURE COVID-19 VACCINE; ACCEPT COVID-19 VACCINE

Include Results For

Top Papers

Clear

Save Criteria

Sort By: Citations

Customize Documents

1 - 10 of 41

1 A GLOBAL SURVEY OF POTENTIAL ACCEPTANCE OF A COVID-19 VACCINE

By: LAZARUS, JV; RATZAN, SC; PALAYEW, A; et al

Source: NATURE MEDICINE 27 (2): 225-+ FEB 2021

Research Fields: MOLECULAR BIOLOGY & GENETICS

Times Cited: 184

ESI Hot

Research Front

2 VACCINE HESITANCY: THE NEXT CHALLENGE IN THE FIGHT AGAINST COVID-19

By: DROR, AA; EISENBACH, N; TAIBER, S; et al

Source: EUROPEAN JOURNAL OF EPIDEMIOLOGY 35 (8): 775-779 AUG 2020

Research Fields: SOCIAL SCIENCES, GENERAL

Times Cited: 113

ESI Hot

Research Front

3 ATTITUDES TOWARD A POTENTIAL SARS-COV-2 VACCINE A SURVEY OF US ADULTS

By: FISHER, KA; BLOOMSTONE, SJ; WALDER, J; et al

Source: ANNALS OF INTERNAL MEDICINE 173 (12): 964-+ DEC 15 2020

Research Fields: CLINICAL MEDICINE

Times Cited: 110

ESI Hot

Research Front

The clusters are named using a semi-automatic process based on frequently occurring title words and phrases.

More resources

- [Clarivate Analytics and the Chinese Academy of Sciences released an annual joint report to identify the hottest and emerging specialty areas in scientific research](#)
- [Find the report “Research Fronts 2020” here](#)

Identifying Research Fronts in the Web of Science: From Metrics to Meaning

Discover hot and emerging research areas to shape your institution's strategic direction

Research evaluators and policymakers frequently use quantitative measures based on publication and citation data as a complement to expert peer review to inform assessment and strategic decision-making. While ranks and scores have their uses, they are limited in revealing many aspects of research activity and different dimensions of contributions.

Thanks to advances in the handling and visualization of very large datasets, it is possible to see – and visit – the leading edge of scientific and scholarly research through science mapping and data visualization. This includes locating individuals, institutions, funders, and journals within this landscape and evaluating organizational participation in different areas, as well as changes over time.

Due to the volume of research published worldwide, and complexity of organizational and researcher networks, it can be challenging to identify early breakthroughs and understand the extent to which your organization is participating in the leading edge of science. In this report, we explore how you can easily track emerging research areas to help shape your institution’s strategic direction. Stay ahead of the curve by using Research Front data derived from the Web of Science™ to inform and improve your research assessment.



Sesión D3 – Los Highly Cited Researchers y Research Fronts

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Highly Cited Researchers 2021

November 16, 2021

Approximately 6,600 scientists
are named
Highly Cited Researchers in 2021.

They have demonstrated
significant influence through the
publication of multiple highly
cited papers within 2010-2020.

Highly Cited Researchers 2021: How nations and institutions foster exceptional performance



DAVID PENDLEBURY

Head of Research Analysis at the Institute for Scientific Information
Clarivate

Share this article



Today we unveil our annual list of Highly Cited Researchers™. We congratulate some 6,600 scientists and social scientists for demonstrating significant influence among their peers in their chosen field (or fields) through the publication of multiple highly cited papers during the last decade. These highly cited papers rank in the top 1% by citations for field and year from 2010 – 2020.

What it means to be a Highly Cited Researcher

Highly Cited Researchers

[2021 recipients](#) [Methodology](#) [FAQs](#) <https://recognition.webofscience.com/awards/highly-cited/2021/>

Recognizing the true pioneers in their fields over the last decade, demonstrated by the production of multiple highly-cited papers that rank in the top 1% by citations for field and year in the Web of Science™. Of the world's scientists and social scientists, Highly Cited Researchers truly are one in 1,000.

Resources

- [Executive summary](#)
- [Download archived lists of Highly Cited Researchers](#)
- [Download media press kit](#). For other media enquires email isi@clarivate.com

[Clear all](#)

Executive summary

Experts from the Institute for Scientific Information™ provide exclusive insight into the list of Highly Cited Researchers 2021, including the methodology, country, and institutional breakdowns, and much more.

[Download the report](#)

What it means to be a Highly Cited Researcher

2021 recipients

Methodology

FAQs

Overview

Total of Highly Cited Papers over the past 10 years

- The Highly Cited Researchers™ list from Clarivate™ identifies scientists and social scientists who have demonstrated significant influence through publication of multiple highly cited papers during the last decade.
- Researchers are selected for their exceptional performance in one or more of 21 fields (those used in the **Essential Science Indicators™**, or ESI) or across several fields.
- All Highly Cited Researcher records are reviewed. Factors such as research that is not representative of the community, or of which would detract from true community-wide research influence—may lead to an author being excluded from the list. Approximately 6,600 researchers are named Highly Cited Researchers in 2021—some 3,800 in specific fields and about 2,800 for cross-field performance. This is the fourth year that researchers with cross-field impact are identified. The recognition of researchers with substantial influence in several fields keeps the list of Highly Cited Researchers contemporary and relevant.
- The number of researchers selected in each field is based on the square root of the population of authors listed on the field's highly cited papers. The number of those with cross-field influence is determined by finding those who have influence equivalent to those identified in the 21 fields.

Context = 21 fields from Essential Science Indicators

- For the 2021 Highly Cited Researchers analysis, the papers surveyed were the most recent papers available to us—those published and cited during 2010-2020 and which then ranked in the top 1% by citations for their ESI field and year (the definition of a highly cited paper).
- The threshold number of highly cited papers for selection differs by field, with Clinical Medicine requiring the most and Pharmacology/Toxicology the least.

Highly Cited Researchers 2021

Name

Award Categories

Institution

Region




Spain

Clear all

108 Researchers from Spain


Powered by Essential Science Indicators


1 2 3 ... 10 11



	FULL NAME	CATEGORY	PRIMARY AFFILIATION	SECONDARY AFFILIATIONS	
AR	Aguilera, Ruth	Economics and Business	Universitat Ramon Llull	-	Claim profile
PA	Alonso-Coello, Pablo	Social Sciences	Sant Pau Institute for Biome...	CIBERESP, Spain	View Profile
JA	Alonso, Jordi	Psychiatry and Psychology	Institut Hospital del Mar d'I...	Pompeu Fabra University, ...	View Profile
JA	Alonso, Jordi	Social Sciences	Institut Hospital del Mar d'I...	Pompeu Fabra University, ...	View Profile
	Andres-Lacueva, Cristina	Agricultural Sciences	University of Barcelona	CIBERFES, Spain	View Profile
	Araújo, Miguel Bastos	Environment and Ecology	Consejo Superior de Invest...	University of Evora, Portugal	View Profile
AM	Armand, Michel	Cross-Field	CIC Energigune	Picardie Universites, Franc...	Claim profile
	Barba, Francisco J.	Agricultural Sciences	Universidade de Vigo	-	View Profile
SB	Begueria, Santiago	Cross-Field	CSIC - Estacion Experime...	-	View Profile
JB	Bellmunt, Joaquim	Clinical Medicine	IMIM-Hospital del Mar Me...	Beth Israel Deaconess Med...	View Profile

Highly Cited Researchers 2021


Awards appear automatically
in each researcher's profile
in the Web of Science



Maestre, Fernando T. 

 Highly cited  Top peer reviewer


University of Alicante

Web of Science ResearcherID: A-6825-2008 


[View public profile](#)

See a complete view of this researcher's scholarly contributions, including peer review and editorial work.

About

Published names 

Maestre, Fernando T. Maestre, FT Maestre, F. T. Torices, Ruben Maestre, FernandoT.
[Show more](#)

Organizations 

2001-2021 Universitat d'Alacant


2005-2020 Universidad Rey Juan Carlos


2012-2014 Universidade de Coimbra


2013-2013 Super Ciencias Expt & Tecnol Univ Rey Juan Carlos


2012-2012 Universidad de Valladolid [Show more](#)


Awards


 Highly Cited Researcher in the field of Environment and Ecology - 2021


 Highly Cited Researcher in the field of Environment and Ecology - 2020

 Highly Cited Researcher in the field of Environment and Ecology - 2019

 Highly Cited Researcher in the field of Cross-Field - 2018

 Top reviewers for Agricultural and Biological Sciences - September 2016 [Show less](#)

Other Identifiers 

 <https://orcid.org/0000-0002-7434-4856>

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Researcher Recognition

<https://clarivate.com/webofsciencegroup/solutions/researcher-recognition/>

Highly Cited Researchers

Of the world's scientists and social scientists, Highly Cited Researchers truly are one in 1,000. These pioneers in their fields represent the most influential researchers who have published multiple papers frequently cited by their peers that rank in the top 1% of citations for field and year in the Web of Science.

[Visit Highly Cited Researchers 2021](#)

Citation Laureates

This small group of highly cited scientists and economists represents a research elite whose influence is comparable to that of past and future Nobel Prize recipients, as attested by exceptionally high citation records within the Web of Science.

[Visit Citation Laureates 2021](#)

Eugene Garfield Award

Each year, this international award recognizes an early career researcher in scientometrics developing innovative techniques in citation analysis that deepen our understanding of scientific and scholarly communication.

[Visit Eugene Garfield Award 2021](#)

Citation Laureates explained

NEWS

SEPTEMBER 22, 2021

5 MINUTE READ

Clarivate Unveils Citation Laureates 2021 – Annual List of Researchers of Nobel Class

Share this article



*This year's list includes 16 new Citation Laureates from institutions in six countries:
France, Italy, Japan, Korea, Singapore, United States*

*59 Citation Laureates named by the Institute for Scientific Information have gone
on to receive a Nobel Prize*

Determining a Nobel level of influence

Since 2002, Clarivate has named Citation Laureates in the areas recognized by the Nobel Prize: Physiology or Medicine, Physics, Chemistry and Economics. These researchers have laid the foundations for their fields, often pioneering whole new areas of science and paving the way for those who have come after them. Citation Laureates also exhibit exceptional levels of citation among their peers and have often produced multiple highly cited papers.

However, a high level of citation is only a prerequisite for selection on this prestigious list. While we say that citations at high frequency reflect contributions that have been influential in some way, we also maintain that citation data should be combined with qualitative information and human judgement. In order to do this, we analyze:

- **Discovery:** whether the authors of the highly cited papers were the primary discoverers within their research topic
- **Awards:** whether the researchers have received international or national awards for this research
- **Nobel 'taste':** whether the identified achievements 'make sense' alongside past choices
- **Timing:** whether the topics would likely receive attention or if they are 'too similar' to recent Nobel prizes or 'too soon' (Nobel recognition typically comes 20 years or more after a published discovery or contribution)

Successful Nobel Predictions

Clarivate Demonstrates 2021 Nobel Prediction Success in Every Field of Science and Economics
64 researchers named as 'Citation Laureates' have received Nobel honors since 2002

Jennifer A. Doudna Facts



Jennifer A. Doudna
The Nobel Prize in Chemistry 2020

Born: 19 February 1964, Washington, DC, USA

Affiliation at the time of the award: University of California, Berkeley, CA, USA

Prize motivation: "for the development of a method for genome editing."

Prize share: 1/2

© Nobel Prize Outreach. Photo:
Brittany Hosea-Small

Emmanuelle Charpentier Facts



Emmanuelle Charpentier
The Nobel Prize in Chemistry 2020

Born: 11 December 1968, Juvisy-sur-Orge, France

Affiliation at the time of the award: Max Planck Unit for the Science of Pathogens, Berlin, Germany

Prize motivation: "for the development of a method for genome editing."

Prize share: 1/2

© Nobel Prize Outreach. Photo:
Bernhard Ludewig

A Programmable
Dual-RNA-Guided
DNA Endonuclease
in Adaptive
Bacterial Immunity
(Science, 2012)

Prize motivation: "for the development of a method for genome editing."
The CRISPR/Cas9 gene scissors can lead to new scientific discoveries, better crops and new weapons in the fight against cancer and genetic diseases.

Eugene Garfield Award for Innovation in Citation Analysis

2021 Award Winner Elena Pallari

Elena Pallari is exploring the impact of methodological research for clinical trials. Her project proposal is to evaluate research output of the UK Medical Research Council Clinical Trials Unit between 2000 and 2020 to assess the impact of its methodology papers.

[Read the interview](#)



Elena Pallari

Post-graduate researcher, University College
London, Clinical Trials and Methodology

United Kingdom

Every great
research
initiative



Needs a shot
at changing
the world

Take the straight line to
innovation. **Learn more.**