Advance your research in Mathematics in Spain



Presented by: Mercedes Siles Molina

Universidad de Málaga

Real Sociedad Matemática Española



Index

Science in Spain in a few figures Maths in Spain in a few figures Where to find opportunities to do research in Spain Relevant information if you are coming to Spain Math research in a group in Spain





PEOPLE

205.873 people devoted to RDI # 126.633 researchers # 40% are women





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Data from 2016

FUNDING

Investment in RD: 13.259 million €

1,19% GDP

Public investment in RDI: 6.425 million €





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10th country in number of publications # 13% of the most cited papers are Spanish

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COMPETITIVENESS

Spain receives 10,5% of the H2020 funds (4th country of the UE)

+2.400 Spanish institutions participate in H2020

15,8% of the H2020 are leaded by Spanish Institutions (1st country of the UE)

Data 2014-2017





EFFICIENCY OF THE SYSTEM

Spain represents 0,7% of the world population 1% of the world total expenditure in RD 1,7% of the total number of reserrchers

3,1 % of the total scientific production 4,3% of the excellent scienctific production 6,7% of the papers published in the more important journals of the world 7,7% of the papers are done under international collaboration





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SCIENTIFIC CULTURE

16% of the participants in a survey are interested in science

54,4% of the participants in a survey think that benefits of science are more than harms

Researchers are highly ranked professionals (4,22 over 5)



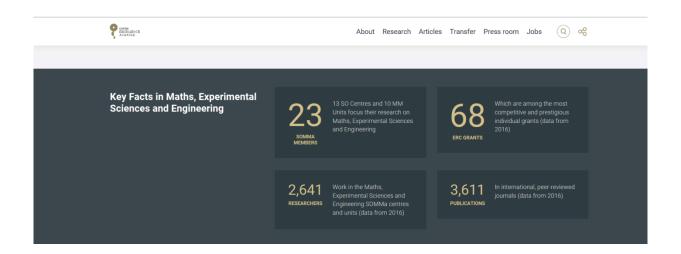


SOMM Excellence Alliance: 41 centres and units of excellence throughout the country

52 public universities and 32 private universities throghout the country

29 scientifc infrastructures open to the world

Maths in the SOMMA alliance (IV)



Some SOMMA institutions focused in Maths:



Barcelona Graduate School of Mathematics (BGSMath)



Basque Centre for Applied Mathematics (BCAM)



Institute of Mathematical Sciences (ICMAT)

And many others! Check the SOMMa website: www.somma.es





Maths in Spain in a few figures (I)

- ✓ Spain published 15,700 maths papers between 2006-2015. This is 3% of the Spanish total scientific production
- ✓ More than 40% of the papers are published in high quality journals (Q1)
- √ 9,5% of the papers are excellent (they are among the 10% of the most cited papers in the world)
- ✓ 50,8% of the Spanish maths papers are done with international collaborations





Brazil published 473 maths papers with Spain between 2006-2015





Where to find science opportunities to do research (I)

EURAXESS Spain can help you!

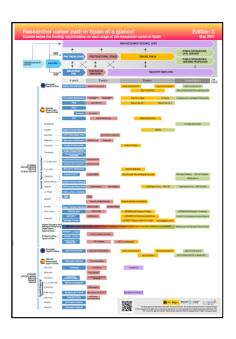


 ✓ Detailed information about scientific opportunities in the country

https://www.euraxess.es/spain/information-assistance/career-development/professional-development-opportunities-spain

Where to find science opportunities to do research (II)

Researcher career path at a glance!



 ✓ We have gathered all the contracts and fellow in this map.
 You can find all the opportunities available in Spain according to your career stage

https://www.fecyt.es/es/publicacion/ researcher-career-path-spainglance-3rd-edition

Where to find science opportunities to do research (III)

EURAXESS Jobs: a platform to find jobs in Spain



Your search results (334)

✓ Active job opportunities in Europe (and Spain!)

https://euraxess.ec.europa.eu/jobs/
search?keywords=spain

Relevant information if you are coming to Spain

What do I need to do before moving?



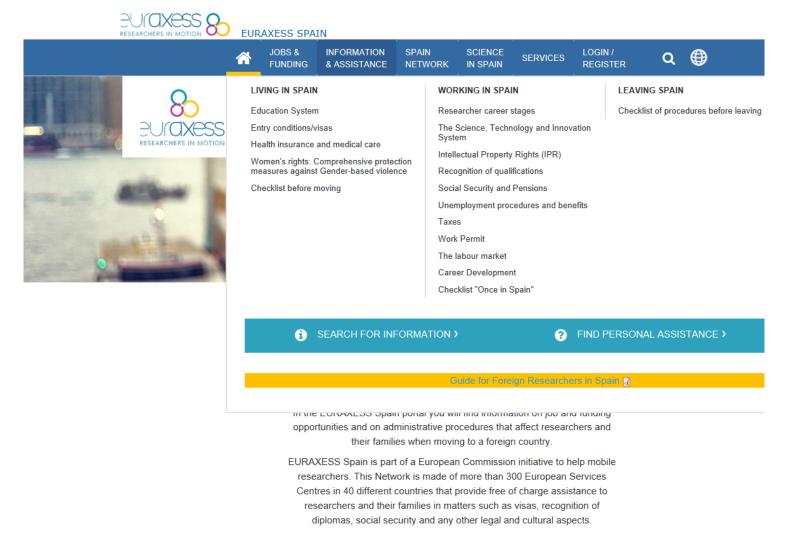
Where do I get my visa?

Do I need my qualifications to be recognized?

How does social security work?

How does education work?

The Information and assistance section of EURAXESS Spain has all the info you need



https://www.euraxess.es/spain/information-assistance

Life in a Spanish research group

Málaga + Cádiz



Málaga + Cádiz



← Granada

Málaga + Cádiz



South-Africa

Ecuador

Morocco

Panamá

Senegal

← Granada

Málaga + Cádiz



South-Africa

Ecuador

Morocco

Panamá

Senegal

← Granada

Brasil

Indonesia

Panama

Turkey

Spain



PEOPLE

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- ➤ 6 Seniors
- 2 Juniors
- > > 40 Collaborators



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Data from 2018

FUNDING

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Data since 2013



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- ➤ 4 Books
- > 12 PhD (last 10 years)



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MORE ACTIVITIES

- ORGANIZATION OF RESEARCH EVENTS
- INTERNATIONAL COOPERATION
- DISEMINATION OF MATHEMATICS
- GENDER EQUALITY

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GAUSS-NOETHER-Group & Brasil

GAUSS-NOETHER-Group Brasil



ON THE CENTROID AND EXTENDED CENTROID OF A LEAVITT PATH ALGEBRA

MARIA INEZ CARDOSO GONÇALVES, DANIEL GONÇALVES, DOLORES MARTÍN BARQUERO, CÁNDIDO MARTÍN GONZÁLEZ, AND MERCEDES SILES MOLINA

ABSTRACT. We investigate certain properties of the centroid of a LPA.

arXiv:1807.02362 [pdf, ps, other] math.RA

Squares and associative representations of two dimensional evolution algebras

Authors: Maria Inez Cardoso Gonçalves, Daniel Gonçalves, Dolores Martín Barquero, Cándido Martín González, Mercedes Siles Molina

Abstract: We associate an square to any two dimensional evolution algebra. This geometric object is uniquely determined, does not depend on the basis and describes the structure and the behaviour of the algebra. We determine the identities of degrees at most four, as well as derivations and

automorphisms. We look at the group of automorphis

arXiv:1806.03077 [pdf, ps, other] math.RA

Representations of relative Cohn path algebras

Authors: Cristóbal Gil Canto, Daniel Gonçalves

Abstract: We study relative Cohn path algebras, also known as Leavitt-Cohn path algebras, and v realize them as partial skew group rings (to do this we prove uniqueness theorems for relative C path algebras). Furthermore, given any graph E we define E-relative branching systems and prohow they induce representations of the associated relative Cohn path algebra. We give necessar

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Thank you!

euraxess-spain@fecyt.es

Fundación Española para la Ciencia y la Tecnología

Paseo de la Castellana 162 Ministerio de Economía, Industria y

Competitividad

Planta 20

Madrid

Tlf: + 34 914250909