MINECO CALL FOR TEN DOCTORAL CONTRACTS AT BGSMATH

The call can be found in Spanish at:

http://www.recerca.uab.es/convocatories/docs/BOEiresolucióFPI2017.pdf

There are other links at the end of the document.

An abstract in English follows.

Characteristics of contracts

The aim of the contracts is to develop a doctoral training project in one of the research groups of the Barcelona Graduate School of Mathematics (BGSMath). Each contract is attached to a research project, either to the Maria de Maeztu project (4 contracts), or to MTM projects of a BGSMath groups (5 contracts).

Each contract is for at most four years and finishes upon completion of the Ph.D. thesis. The yearly gross salary is 16,422€. Besides, fellows can benefit from an allowance of 6,250€ maximum to be enjoyed during the pre-doctoral training to cover the registration fees of the Ph.D. programmes and research stays (one month minimum) covering only travelling and accommodation.

In case the thesis is completed before the fourth year, a new one-year postdoctoral contract, with gross salary of 19,000€, may be issued.

Eligibility conditions

Applicants should fulfil, at the time of signature of the contract, the conditions of being registered in a Ph.D. programme in Mathematics either at Universitat de Barcelona, Universitat Autònoma de Barcelona, Universitat Politècnica de Catalunya or Universitat Pompeu Fabra. It is not required to be registered or accepted at the time of application but an

acceptance letter will be required shortly after submission. For this reason, the candidate should contact the host group for a potential advisor and guidance through this process.

The call establishes that the outcome of the selection process will be available in six months (by April 2018).

Typically, to register in such a programme applicants should have completed a bachelor and a master, or else having completed at least 300 ECTS of which at least 60 corresponding to a Master programme.

Candidates may confirm their eligibility by contacting the coordinators of the above mentioned programmes:

coord.doctorat.matematiques@mat.uab.cat

sec-matematiques@ub.edu

doctoma.fme@upc.edu

dee@upf.edu

Applicants should have not enjoyed a similar contract for more than 12 months at the time of application.

How to apply

Deadline: October 18th, at 15:00 (Spanish time)

Documents to be prepared:

- Copy of Passport, in case of non Spanish applicants not resident in Spain
- CV, in Spanish or English
- Certified academic records, in Spanish or English, of both the bachelor and masters degrees, and others. These must include all grades obtained at the time of application. If issued by a non Spanish institution, the grading system should be explained.

When not in Spanish or English, an official translation to Spanish or English must be provided.

Procedure to apply

1. First, the applicant should be registered in the "Registro Unificado de Solicitantes" at "Registro de Investigador" https://sede.micinn.gob.es/rus/editarRegistroPrevioUsuario.mec

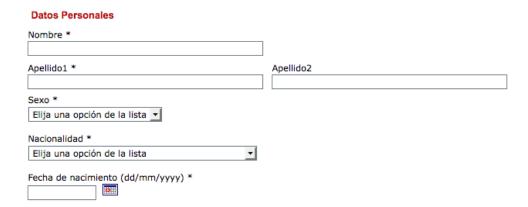
You will have to provide a passport number (or NIF if you are Spanish).



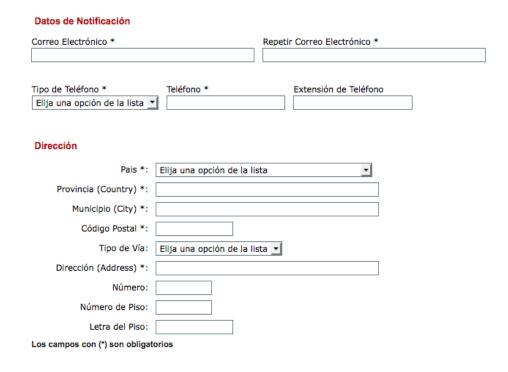
You will have to introduce a username and password (with a security question to recover the password).



Personal information (name, family name, gender, nationality and date of birth).



Finally, contact information (email, phone number, and personal address).



Once completed, applicants will be able to enter the application portal with the username and password provided in the previous registration:

https://sede.micinn.gob.es/ayudaspredoctorales/

This registration can be used in the future for other applications to MINECO.

2. Once in the application portal, just follow the instructions. First, the applicant is invited to choose a research project (and only one).



Select "Añadir" (add) to see the list of projects and introduce the reference number of the project you are interested in.



Remember that each applicant can submit only one application.

The BGSMath - Maria de Maeztu projects are those with the following codes:

- (Geometry and Topology) MDM-2014-0445- 17-1. Contact person: Carles Broto, UAB.
- (Probability and Statistics) MDM-2014-0445- 17-2. Contact person: **Pere Puig**, UAB.

Besides, the projects run by BGSMath groups with codes:

- (Function spaces and boundedness of operators methods in analysis) MTM2016-75196-P. PI: M. Jesús Carro, UB.
- (Vector bundles in algebraic geometry) MTM2016-78623-P.
 PI: R. M. Miró, UB.
- (Estimation of latent networks. Numerical and theoretical methods in dynamical systems and applications) MTM2016-80117-P. PI: Ernest Fontich, UB.
- (Aspects of local and global dynamics of continuous and discrete dynamical systems: integrability, periodicity and bifurcations) MTM2016-77278-P. PI: Jaume Llibre and Joan Torregrossa, UAB.
- (Harmonic analysis, geometric measure theory and applications) MTM2016-77635-P. PI: Xavier Tolsa, UAB.
- (Homotopy theory of algebraic structures) MTM2016-80439 P. PI: Natàlia Castellana and Joachim Koch, UAB.
- (Analysis and partial differential equations) MTM2016-75390-P. PI: Joan Verdera and Joan Mateu, UAB.
- (Advanced cryptography to face new challenges in the esociety) MTM2016-77213-R. PI: Javier Herranz, UPC.

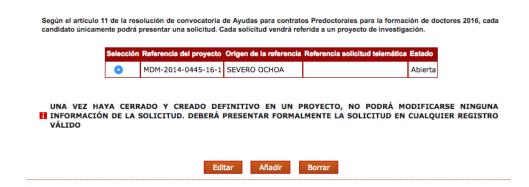
• (Quantification and risk analysis) ECO2016-76203-C2-2-P. PI: Montserrat Guillem, Catalina Bolance, UB.

Candidates may contact the "Investigador Principal 1" (PI) to inquire about details of the doctoral training project and the potential advisors (see also the webpage of the BGSMath, https://bgsmath.cat/bgsmath-faculty/, to contact the PI of each project).

The complete list of all available projects can be found <u>here</u> and here.



Once the project is chosen, select "Crear Solicitud" (create application).

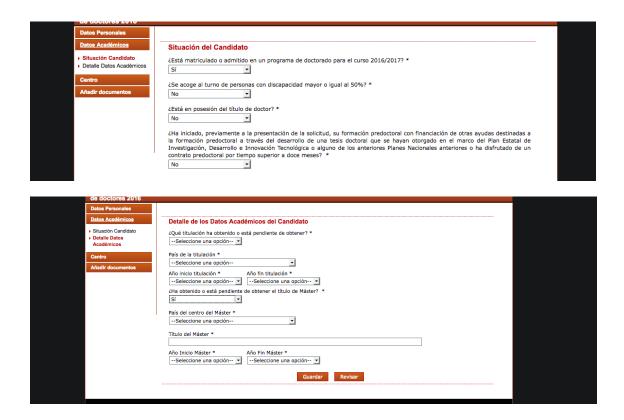


Now you can edit (Editar) your application. In the next screens, **DO NO FORGET TO CLICK ON "GUARDAR" TO SAVE THE INFORMATION BEFORE LEAVING THE PAGE**.

First you should verify your personal data in "Datos Personales".



Then you should answer some questions on your academic CV ("Situación del candidato" and "Detalles datos académicos")



The first 6 fields concern you university degree. You need to write:

- 1. your degree (LICENCIADO);
- 2. the country where you got your degree;
- 3. the university where you did your degree;
- 4. title (degree);
- 5-6. the year you started and finish your degree.

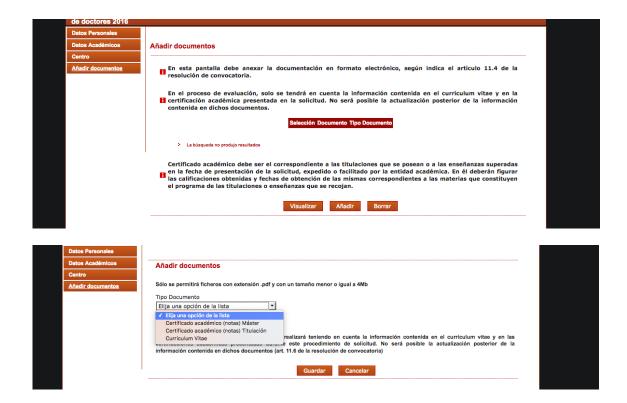
The rest of the fields are about your Master:

- 1. the country where you did your Master;
- 2. the department at the university where you did your Master;
- 3. title of the Master;
- 4-5. the year you started and finish your Master.

You can check the information of the project in "Centro".

Finally, it is time to upload the documents ("Añadir documentos").

Select "Añadir" to start the process in next screen.



You will have to do it in several steps by selecting the document you are uploading each time (passport, academic certificate, master degree and CV). Browse the file, select "Guardar", and then select "Añadir" again to upload the next document.

You can check in "Guía de errores" (Error guide) if you have forgotten anything in the process. In "Borrador" (draft) you can see the data/document that you will submit.

Finally, by selecting "Definitivo" you will generate the final document to be submitted (no changes can be made after this step).

3. Once the online application is finished and validated by the applicant, some documents will be automatically generated. The applicant must print and sign them.

The signed documents must then be presented either at either:

- The MINECO registration office at calle Albacete, 5, 28027, Madrid
- At some official registration office (this includes a Postal Office in Spain or the Spanish embassies or consulates abroad). In this case, two copies of the applications must be provided, one in an open envelope to be sent to MINECO, the other copy to be stamped and kept by the applicant.

Official pages

Official page with the call (in Spanish)

<u>Instructions and help</u> (in Spanish)

Contact

For any question related to this call, you may contact:

secretariat@bgsmath.cat