

TRAINING PROGRAMME IN COLLABORATIVE MATHEMATICAL RESEARCH



The CRM welcomes applications for one doctoral position for 4 years within the CRM – “la Caixa” Foundation Collaborative Mathematical Research programme.

Proposed projects

Fellows must apply to a position to develop one of the following projects:

The Collaborative mathematics of pattern formation in embryonic development and evolution

Advisor: Isaac Salazar
Computational and Mathematical Biology Group

Dynamics of Pathogens Under Interference Therapies

Advisor: Josep Sardanyés
Nonlinear Dynamics and Evolution (NoDE) Lab

Eligibility criteria

The programme is open to applicants of all nationalities.

Doctoral students:

- A basic requirement to be admitted to the programme is fulfilling the admission criteria of a doctoral programme in mathematics of some Catalan university when beginning the doctoral project. For more information see [here](#).
- The candidates must have outstanding academic records and a good level of English.

Contract conditions

Doctoral students:

- Doctoral students in this programme will become members of the CRM Doctoral Training Unit (see [here](#)).
- The doctoral students who pass the selection process will join the programme for 36 months. This includes an initial contract of 12 months renewable for a second and a third year with a gross salary of €18.000 Euros per year.
- Contract renewal is subject to the positive reports emitted by the supervisor.
- The CRM will pay the tuition fees for a doctoral programme in mathematics at a Catalan university. Students will be given a mobility allowance for activities related to their training (600 €/year) and will sign a credential form.

How to apply

To apply to these positions, candidates must send an email with the following information to crmcalls@crm.cat:

- CV including name, personal address, email and phone number
- The contact information from two researchers who are able to provide recommendation letters in favour of the candidate.
- An expression of interest specifying the project on which the candidate wants to collaborate.
- Academic records

Applications Deadline

The deadline to submit an application is **January 31st, 2020**. Applicants should be available for interviews (possibly via Skype) from **February 3rd to 7th, 2020**.

Selection process

Admission to the programme is on a competitive basis. Applications will be screened initially by the CRM executive committee to ensure that they are complete and eligible. All eligible applications will be reviewed by a selection committee, which will evaluate candidates based on the following criteria:

- The candidate's academic merit and potential for successful research while at the CRM, as evidenced by their qualifications and grades, and previous research experience.
- The information given by the candidate on the application form, and in particular the motivation letter.

The selection committee will consider all the applications and select a number of candidates to be interviewed by potential supervisors and discuss their research interests. Shortlisted candidates will be selected by the Selection Committee on the basis of this personal interview.

Applicants will be notified of the Selection Committee's final decision by e-mail. Successful candidates are requested to inform the CRM whether they accept or decline the offer within 1 week after being notified.

Governance and administration

The implementation of this programme will be monitored by an ad hoc Governing Committee consisting of representatives of Fundació "La Caixa" and the CRM, who will meet at least once a year.

The CRM administration will provide the necessary general support for the deployment of the programme (diffusion, contracts, interviews, organization,...).

The CRM administration will also provide administrative support in visa formalities, lodging, travel, etc. to selected applicants, if required.