BGSMath
BARCELONA GRADUATE SCHOOL OF MATHEMATICS

# Postdoctoral open call 2016-2018

The **Barcelona Graduate School of Mathematics** opens a call for postdoctoral positions.

## Characteristics of the positions:

**Duration:** 2 years.
**Research topics:** all areas of mathematics and its applications.
**Working place:** at one of the four BGSMath institutions: Universitat Autònoma de Barcelona, Universitat de Barcelona, Universitat Politècnica de Catalunya, and Centre de Recerca Matemàtica.
**Contract** under Spanish laws.
**Gross salary:** 26.250 EUR.
**Social and medical benefits:** included. Medical coverage for the fellow and family through the public health system.
**Mobility allowance:** up to 2.000 EUR per year.
**Number of positions:** up to 4.
**Requirements of the applicants:**

- Having a Ph.D. degree at the start date of the appointment, preferably obtained no more than four years before that date, and a strong research record.
- At least two years of doctoral or postdoctoral experience outside the Barcelona area.

**Working conditions**:

- The fellows appointed will be hosted by one the BGSMath research groups and will benefit from the usual working conditions at the host institutions, including office space, access to libraries and computer networks.
- Each fellow will be assigned a mentor from the host research group.
- The BGSMath One-Stop office will assist the fellows at the time of incorporation.

## Necessary documentation for completing the application

- Application form with personal information and contact address.
- Curriculum Vitae of at most 3 pages (publications must be submitted separately).
- A list of publications.
- A motivation letter of at most 1 page, including: o List of potential host researchers or research groups. o Previous contacts or collaborations, if any.
- Brief explanation of the motivation for applying, what can the applicant bring to the group, and how this appointment will fit with the applicant's career goals.
- Research proposal of at most 4 pages including: o Title and summary. o State of-the-art and objectives. o Scientific approach: methodology and timescale.
- Copy of the Ph.D. degree certificate.
- Evidence showing at least two years of experience outside the Barcelona area.
- Two confidential reference letters from senior fellows (academic or industrial), to be sent directly by the reporters to BGSMath.

Applications not fulfilling this requirement will not be considered.

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## Evaluation and selection process:

1) The applications will be evaluated by the BGSMath Advisory Scientific Committee. Each proposal will be evaluated with respect to the following criteria (weights in brackets).

- Curriculum Vitae (45/100). Ph.D. thesis (20/100); Research after the thesis (15/100); Mobility and international visibility (10/100).
- Research Project (40/100). Originality and quality of the proposal (20/100); Feasibility in terms of the applicant's experience (10/100); Expected impact in the research field and society (10/100).
- Matching between proposal and host (15/100). Potential for cooperation with hosting research groups (5/100); Potential for participation in scientific and training activities of BGSMath (5/10); Potential with knowledge and technology transfer (5/10).

2) During the evaluation process candidates may be asked to be interviewed (remotely) by members of the Advisory Scientific Committee or other BGSMath faculty members.

3) Incorporation Selected candidates will get a signed letter from the BGSMath director with the corresponding offer. The incorporation date is flexible and negotiable, within at most four months after the date of acceptance.

4) Selected candidates will be given a period of one month to accept or decline the offer, and to communicate the incorporation date, the hosting research group and the mentor of his/her choice. If the appointment is declined, it will be offered to the candidate appearing first at that time in the reserve list.

5) Once all appointments offered and accepted, the list of appointees and their research projects will be posted in the webpage.