



The H2020-MSCA-RISE-2017 Project GHAIA “Geometric and Harmonic Analysis with Interdisciplinary Applications”, GA n. 777822 offers

7 Marie Skłodowska-Curie grants for each partner of the project

to PhD students, postdocs, researchers, faculties or staff who are members of one of the EU Academic Partners of the project.

Fourth call

1. Description of the offer

The objective of the present calls is to carry out research in the following scientific areas:

- a) any mathematical topics;
- b) computational and numerical methods;
- c) physics, mathematical and statistical modeling;
- d) data analysis, computer science, digital humanities.
- e) engineering, bioengineering and robotics.
- f) computational neuroscience and biomathematics
- g) complementary skills and grant related skills

The grant will fund research stays of 1 to 10 months in one of the following institutes:

USA

- Princeton University;
- Yale University;
- Massachusetts Institute of Technology MIT;
- University of California (all campuses: Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, San Francisco, Santa Barbara, Santa Cruz.);
- Columbia University in the City of New York;
- Leland Stanford Junior University;
- Johns Hopkins University;
- Washington University in St. Louis;
- Worcester Polytechnic Institute;
- University of Houston System;
- University of Pittsburgh;

- University of Texas (all campuses: Austin, Dallas, Arlington, El Paso, Rio Grande, San Antonio, Tyler);
- University of Illinois System;
- The University System of Maryland Foundation.

Argentina

- Universidad de Buenos Aires.

Australia

- The University of Western Australia..

Canada

- Queen's University at Kingston.

China

- Academia Sinica.

Europe

- GMV Madrid.

hereafter referred to as Host Institutes.

The grant will cover a net amount of 2000 € per month, plus health insurance costs. This grant can be used in co-financing with any other projects funds, with the exception of other Marie Skłodowska Curie fundings.

2. Requirements of the Applicant

The calls are open to PhD students, postdocs, researchers or faculties of University of Bologna (UAM, UGR, CNRS and PSUD), who has been appointed in the listed above institutions for more than 6 months.

For the duration of the visit the applicant should remain member of the institution.

Ph.D. students are allowed to participate during the legal length of their Ph.D. or even after that, prior to the defence. In any case the visit abroad must end before the defence.

Minimum length of the visit is one month, the maximum length is 10 months.

3. Instructions for application

Applications must be presented by e-mail to:

- UNIBO: ghaia@unibo.it
- UAM: D. Barbieri davide.barbieri@uam.es
- UGR: M. Ritoré ritore@ugr.es
- CNRS: A Sarti: alessandro.sarti@ehess.fr
- PSUD: G David: guy.david@u-psud.fr

Any preliminary inquiry on aspects of the present call can be addressed to the same e-mail.

Applications must include the following documents, in pdf format:

- a research proposal;
- a Curriculum Vitae;
- an invitation letter by the scientist in charge of supervising the research in the Host Institute, indicating the proposal title, the name of the applicant and the period of the stay.
- in case the applicant is a PhD student, a presentation letter by the PhD supervisor (*be aware that for UNIBO PhD students authorization of the collegio docenti is needed before departure*).

The research proposal should be prepared according to the following scheme.

- PROPOSAL TITLE:
- NAME AND AFFILIATION OF THE APPLICANT:
- PROPOSED HOST INSTITUTE: [to be chosen within the list in section 1.]
- PROPOSED DURATION AND DATES OF THE RESEARCH STAY: [in between 1 and 10 months]
- NAME AND AFFILIATION OF THE SCIENTIST IN CHARGE OF SUPERVISING THE RESEARCH IN THE HOST INSTITUTE:
- SCIENTIFIC PROPOSAL, SPECIFYING THE FOLLOWING POINTS: [max 5000 characters]
 - description and state of the art of the problem to be addressed;
 - relationship with the scientific areas objective of the proposal;
 - expertise of the research group/scientist in charge at the Host Institute;
 - results expected from the proposed research stay.

FOURTH CALL:

application deadline: February 20, 2020

The full research stay has to be completed within end of August, 2021

4. Evaluation

Priority will be assigned to proposals depending on their scientific relevance, the feasibility of the expected results, the impact, and the match between the proposed problem and the profile of the Scientist in charge in the Host Institution.

Incomplete proposals (i.e. invitation letter missing) will be taken into account, but with a penalization. In this case, if the proposal is accepted, the visit cannot start until an invitation letter is presented.

The proposals will be financed in order of ranking.

FOURTH CALL: The selected candidates will be informed of the positive evaluation by February 28, 2020, and they will have time until March 28, 2020 to accept the grant.