

**Health Research 2018  
Call for Proposals  
Application Form\***



# Application Form\*

## Health Research 2018 Call for Proposals

“la Caixa” Foundation

*\*This Form has only an informative function. Applications will be submitted electronically through the application link available on the “la Caixa” Foundation Call for Projects website, available from November 8, 2018 to January 15, 2019:*

*<https://www.convocatoriaslacaixa.org/Convocatorias/?idioma=3>  
Paper applications or via any other channel will not be accepted.*

# 1 General data and project information

## 1.1 Classification of the Host Institution

- **Select one of the following options:\***
  - University or university-related foundation.
  - Hospital or hospital-related foundation.
  - Research center (not university- nor hospital-related).
  - Other non-profit with research as main activity.

## 1.2 Classification of the Application

- **Select the Thematic Area of your project (*select only one option*):\***
  - Cardiovascular and metabolic diseases
  - Neuroscience
  - Infectious disease
  - Oncology
  - Enabling Technologies
- **Is the Proposal about Amyotrophic Lateral Sclerosis (ALS)?\* (*only in the case of Neuroscience or Enabling Technologies proposals*)**
  - Yes
  - No
- **Select the main discipline of your project. This information will be used only to optimize the matching between evaluators and projects. (*select only one option*):\***

- Life sciences- Anatomy and morphology
- Life sciences- Physical anthropology
- Life sciences- Biophysics
- Life sciences- Animal biology
- Life sciences- Cell biology
- Life sciences- General and theoretical biology
- Life sciences- Human biology
- Life sciences- Mathematical and computational biology
- Life sciences- Molecular biology and biochemistry
- Life sciences- Plant biology
- Life sciences- Biodiversity and conservation
- Life sciences- Ecology
- Life sciences- Physiology
- Life sciences- Genetics
- Life sciences- Biomedical engineering and technology
- Life sciences- Immunology
- Life sciences- Microbiology
- Life sciences- Virology
- Medical and health sciences- Allergology
- Medical and health sciences- Andrology
- Medical and health sciences- Anaesthesiology
- Medical and health sciences- Cardiology
- Medical and health sciences- Sports science
- Medical and health sciences- Surgery
- Medical and health sciences- Dermatology
- Medical and health sciences- Endocrinology
- Medical and health sciences- Infectious diseases
- Medical and health sciences- Nursing
- Medical and health sciences- Pharmacy and pharmacology
- Medical and health sciences- Organ, tissue transplants, etc.
- Medical and health sciences- Traumatology
- Physical sciences- Applied physics
- Physical sciences- Atomic and nuclear physics
- Physical sciences- Biophysics
- Physical sciences- Electrical engineering and technology
- Medical and health sciences- Physiotherapy
- Medical and health sciences- Gastroenterology and hepatology
- Medical and health sciences- Geriatrics
- Medical and health sciences- Gynaecology and obstetrics
- Medical and health sciences- Haematology
- Medical and health sciences- Biomedical engineering and technology
- Medical and health sciences- Immunology
- Medical and health sciences- Intensive kinesiology
- Medical and health sciences- General and internal medicine
- Medical and health sciences- Intensive and emergency medicine
- Medical and health sciences- Legal and forensic medicine
- Medical and health sciences- Nuclear medicine and radiology
- Medical and health sciences- Nephrology and urology
- Medical and health sciences- Pneumology
- Medical and health sciences- Neurology
- Medical and health sciences- Nutrition
- Medical and health sciences- Odontology and orthodontics
- Medical and health sciences- Ophthalmology
- Medical and health sciences- Oncology
- Medical and health sciences- Orthopaedics
- Medical and health sciences- Otorhinolaryngology
- Medical and health sciences- Paediatrics
- Medical and health sciences- Chiropody
- Medical and health sciences- Psychiatry
- Medical and health sciences- Physical medicine and rehabilitation
- Medical and health sciences- Rheumatology
- Medical and health sciences- Public health
- Medical and health sciences- Holistic and complementary therapies
- Medical and health sciences- Toxicology
- Chemical sciences- Applied chemistry
- Chemical sciences- Chemical engineering and technology
- Chemical sciences- General chemistry
- Chemical sciences- Inorganic chemistry
- Chemical sciences- Molecular biology and biochemistry
- Chemical sciences- Nuclear chemistry

- Physical sciences- Electronic engineering and technology
- Physical sciences- Electronics and electromagnetism
- Physical sciences- Fluid mechanics
- Physical sciences- Material science and technology
- Physical sciences- Mechanics
- Physical sciences- Molecular physics
- Physical sciences- Optics
- Physical sciences- Physical chemistry
- Mathematical sciences- Applied mathematics
- Mathematical sciences- Functional and numerical analysis
- Mathematical sciences- IT (informatics)
- Mathematical sciences- Mathematical and computational biology
- Mathematical sciences- Statistics and probability
- Chemical sciences- Organic chemistry
- Chemical sciences- Physical chemistry
- Engineering and Technology- Biomedical engineering and technology
- Engineering and Technology- Chemical engineering and technology
- Engineering and Technology- Electrical engineering and technology
- Engineering and Technology- Electronic engineering and technology
- Engineering and Technology- Food technology
- Engineering and Technology- General engineering and technology
- Engineering and Technology- Hydraulic engineering and technology
- Engineering and Technology- Instrument technology
- Engineering and Technology- IT (informatics)
- Engineering and Technology- Material science and technology
- Engineering and Technology- Mechanical engineering and technology
- Engineering and Technology- Nanoscience and nanotechnology

- **Select the other disciplines of your project, if applicable. (same list as above)\***
- **Research scope of your project.** You can choose more than one option. This information will be used only to optimize the matching between evaluators and projects.\*
  - **Basic.**
  - **Clinical.**
  - **Translational.**
- **Keywords.** Select up to 8 keywords from the list. Add between 2 to 6 free keywords. (maximum of 100 characters with spaces)\*

### 1.3 Project information

- **Proposal Acronym.** (maximum of 20 characters with spaces)\*
- **Proposal Title.** (maximum of 150 characters with spaces)\*
- **Scientific Abstract.** The abstract should provide a brief description of the project, the specific objectives and the value it brings to its scientific field and society. (maximum of 2.000 characters with spaces)\*
- **Lay summary.** Briefly summarize the research Proposal for a non-expert audience. (maximum of 1.000 characters with spaces)\*

**Text example for the lay summary.** This text will be mainly used for communication so it has to be written for non-expert audience.

*Title: Intestinal Bacteria Decide for the Brain What to Eat.*

*The intestinal microbiota has a great impact on many functions of the human body. Some indications even suggest that an imbalance in the intestinal bacteria could affect brain functioning and contribute to psychiatric disorders such as autism or depression.*

*Recently scientists have observed that flies need to ingest proteins if their diet does not contain an essential amino acid. Behind this desire for proteins are two specific species of intestinal bacteria, which exert pressure to change food preferences.*

*This project looks more deeply into the molecular mechanisms underlying this impulse. The goal is to understand the interaction of intestinal bacteria with the intake of nutrients, since it is a determining factor in health and disease, including obesity.*

## 2 Scientific excellence and impact (75%)

(References can be included and detailed in the References box below).

### 2.1 Project quality (30%)

- **State of the art.** Explain the scientific excellence and originality of the project in the context of the 'state-of-the-art' of the Thematic Area. *(maximum of 4.000 characters with spaces)\**
- **Preliminary data, project aims and objectives.** Describe the preliminary data (if available), the project aims, the indicators that will be used to monitor the achievement of the objectives and how they are aligned with the grant criteria, demonstrating novelty and groundbreaking potential. *(maximum of 6.000 characters with spaces)\**
- **Transformative approach and expected results.** Describe the relevancy and transformative approach of the proposal, specifying the main expected results. *(maximum of 1.500 characters with spaces)\**

### 2.2 Scientific approach and work plan (20%)

- **Methodology and scientific approach.** Describe the feasibility of the innovative scientific approach and methodology to appropriately achieve the aims and expected outputs of the project. *(maximum of 8.000 characters with spaces)\**
- **Work plan, timeline and budget.** Describe the activities and timeline required, taking into account the contributions of each Partner Institution, if applicable. Ensure that the proposed timescales are necessary and properly justified. Include a **project Gantt chart** in the "Figures and documents" section. Detail the **Budget** and provide properly **justified description of each concept** in the "Budget" section. *(maximum of 2.000 characters with spaces)\**
- **Study limitations and contingency plan.** Describe the study limitations and detail a brief contingency plan. *(maximum of 1.500 characters with spaces)\**

### 2.3 Impact (25%)

- **Scientific and social relevance.** Describe how the proposed project aims to make a positive, relevant and innovative difference due to: (i) its contribution to scientific knowledge and advancement in its field; (ii) its contribution to generate new tools, models or analysis systems that could enable the improvement, boosting or creation of scientific research fields; (iii) its contribution to improve the health and well-being of citizens. *(maximum of 4.000 characters with spaces)\**
- **Ethical, social, legal and environmental project implications.** Describe the possible ethical, social, legal and environmental considerations related to the project: (i) justify the methodology described in section 2.2 focusing on the rationale behind the use of humans, human samples or embryos, and animals. Describe how the gender dimension, sex and/or

gender analysis of the samples, models or cohorts has been taken into account in your study. Addressing the gender dimension contributes to the scientific quality and societal relevance of the produced knowledge, technology and innovation. Provide details of the ethics committee to which you have submitted the project. (ii) address the potential uses and implications of the expected results of the project described in section 2.1, considering potential military use, third countries implication, possible impact on the environment, etc.. *(maximum of 2.000 characters with spaces)\**

- **Dissemination, social engagement and knowledge transfer.** Describe how the project will communicate and disseminate its activities and results and how it might engage with and/or incorporate different social stakeholders and non-academic audiences and patients. If applicable, include a description of how the project will manage the possible valorization and knowledge transfer generated by the project. *(maximum of 2.500 characters with spaces)\**

**BOX References.** List the references cited above. *(maximum of 3.000 characters with spaces)*

\*Please follow these instructions to list the publications:

- 1) In order: list of authors, year, title, journal, volume and pages.
- 2) Use "et al." if the publication has more than 3 authors.
- 3) Do not list publications in preparation or under review.

Example: S. Lawrad, A. Tomisec, S. Ferrelra, A. Vandenbosch (2013) "Polymers for Tissue Engineering Applications", PNAS, 30, 11298-11303.

## 3 Project Leader, Team and Research Consortium (25%)

### 3.1 Project Leader (PI of the Host Institution) (25% in Individual projects or 12.5% in Research Consortium projects)

- **Full name.** *(maximum of 100 characters with spaces)\**
- **Institution (Host Institution).** *(maximum of 100 characters with spaces)\**
- **Research experience since completion of PhD:**
  - 6 to 12 years.
  - More than 12 years.
- **Researcher unique identifier(s):** ORCID mandatory, others are optional. *(maximum of 200 characters with spaces)\**
- **Research web site URL.** *(maximum of 100 characters with spaces)*

- **Project Leader's relevance and research experience in relation with the Proposal.** Demonstrate experience in groundbreaking research and explain the motivation and commitment to the Proposal. Please, provide the full CV of the Project Leader by filling the provided form in the "Figures and documents" section (*maximum of 1.000 characters with spaces*)\*
- **Relevance and research experience of the Project Leader's Team (members of the Host Institution) in relation with the Proposal.** Demonstrate experience in groundbreaking research and explain the motivation and commitment to the Proposal. (*maximum of 2.000 characters with spaces*)\*

### BOX Other members of the project

- **Name, general information and role and relevance of the main team members of the Cooperative Organizations in the project (if applicable).** (*maximum of 3.000 characters with spaces*)\*

### 3.2 Research Consortium (12.5%). This section is mandatory only in case of Research Consortiums.

- **Justification of collaboration within the Research Consortium.** Describe how the Research Consortium as a whole matches the Proposal's objectives, bringing the necessary expertise and adequate complementary resources and skills. Provide a description on the governance, organizational and functional structure of the Research Consortium members and the coordination mechanisms. (*maximum of 4.000 characters with spaces*)\*
- **Description of the members of the Research Consortium.** Define the contribution of the Principal Investigator and Team of each Research Performing Institution (up to 5 including the Host Institution) in the Boxes below.

### BOX Principal Investigator of the Research Performing Institution 2 to 5

- **Full name.** (*maximum of 100 characters with spaces*)\*
- **Research Performing Institution.** (*maximum of 100 characters with spaces*)\*
- **Researcher unique identifier(s):** ORCID mandatory, others are optional. (*maximum of 200 characters with spaces*)\*
- **Research web site URL.** (*maximum of 100 characters with spaces*)
- **Principal Investigator's relevance and research experience in relation with the Proposal.** Demonstrate experience in groundbreaking research and explain the motivation and commitment to the Proposal. Please, provide the full CV of the Principal Investigator by filling the provided form in the "Figures and documents" section (*maximum of 1.000 characters with spaces*)\*
- **Relevance and research experience of the Principal Investigator's Team (members of the Research Performing Institution) in relation with the Proposal.** Demonstrate experience in groundbreaking research and explain the motivation and commitment to the Proposal. (*maximum of 2.000 characters with spaces*)\*

**NOTE** It is required to introduce the general information of the Institutions (RPIs and COs) in the "PROJECT INSTITUTIONS" section. The contact information of the Team members shall be introduced in the "Contacts" section in relation with their professional link to the introduced Institutions.

## 4 Budget

Concept	Total €
Personnel (Direct Costs)	
Travel (Direct Costs)	
Equipment (Direct Costs)	
Consumables (Direct Costs)	
Publications (Direct Costs)	
Dissemination, and social engagement activities (Direct Costs)	
Other Direct Costs	
Indirect Costs: maximum of 10% of Direct Costs (minus subcontracting)	
<i>Subcontracting Audits (are not considered for the calculation of Indirect Costs)</i>	
<i>Other Subcontracting (are not considered for the calculation of Indirect Costs)</i>	
<b>Total Requested Costs (€)</b>	

\* Please describe each Concept in the table according to the amount requested.

- For all projects, it is mandatory to fill in the "Figures and documents" section the template "Budget distribution" in order to specify the annual distribution and the resources requested by each Institution. Have you done this?
  - Yes
  - No



- Please provide a complete justification for the activities (not the specific concepts already described in the budget table) related to the resources requested by each Institution (both Research Performing Institutions and Cooperating Organizations). (*maximum of 4.000 characters with spaces*)

## 5 Figures and documents.

### 5.1 Figures and Supporting information.

- Graphics and additional figures to support the Proposal description (optional).
- Gantt Diagram for the Project (mandatory).
- [Template] "Budget distribution" (mandatory).
- [Template] Ethical issues Checklist (mandatory).
- [Template] CV of the PL and the PIs of the Research Performing Institutions, if applicable (mandatory).
- Recommendation letters supporting the PL and PIs, if applicable (optional).
- [Template] "Host Institution Statement" signed by the legal representative of the Host Institution, the PL, the PIs of each RPI and the legal representatives of the COs, if applicable. Each Principal Investigator must be authorized to sign the aforementioned declaration on behalf of the Institution to which they belong (mandatory).

## 6 Contacts

- Provide contact information of the Project Leader (PI of the Host Institution), the Legal Representative, PIs and relevant Team members of each RPI, and a representative of the COs (if applicable).  
Notifications will only be sent to the PL email.

## Annex: CV template

### Curriculum Vitae Template (limit of 2 pages)

1. **Full name**
2. **Institution**
3. **Link to research web site URL or to full list of publications**
4. **Main Education/Training.** List these indications below  
*From - To - Qualification - Subject - Institution*
5. **Most relevant highlights in career history.** List these indications below  
*From - To - Position - Institution. Current/most recent first.*
6. **Peer-review publications related to the topic of the Proposal.** List up to five of the most significant peer-reviewed publications. Give full citation and a statement describing their significance.
7. **Most relevant grants.** List up to five of the most relevant grants funded in the past ten years. List these indication below.  
*Project Title - Funding source - Amount (€) - Period - Role of the PI.*
8. **Major significant research outputs.** List up to ten significant research outputs, including prizes, fellowships and awards, industrial and intellectual property experience, invited talks during the last five years, contribution to health or clinical practice and current memberships in funding agency, advisory and/or journal editorial boards. You may provide a statement describing their significance. List these indications below.  
*Citation - Statement describing significance.*
9. **Major collaborations related to the topic of the Proposal.** List up to five of most significant collaborations related to the topic of the Proposal. List these indications below:  
*Name - Topic - Institution/country - Short description of the collaboration.*



