



DECRETO DEL RETTORE
Anno Accademico 2022/2023
N. DR 67 del 6/02/2023

EMANAZIONE BANDO “UNIVERSITY STRATEGIC PROJECTS”

IL RETTORE

- Visto** lo Statuto dell'Università Campus Bio-Medico di Roma;
- Visto** il Regolamento Generale dell'Università Campus Bio-Medico di Roma;
- Vista** la delibera adottata dal Senato Accademico dell'Università Campus Bio-Medico di Roma in data 9 novembre 2022;
- Visto** il verbale del Consiglio di Amministrazione dell'Università Campus Bio-Medico di Roma, in data 24 novembre 2022;
- Ritenuto** necessario procedere all'emanazione del bando “University Strategic Projects” dell'Università Campus Bio-Medico di Roma;

DECRETA

È emanato il bando “University Strategic Projects” dell'Università Campus Bio-Medico di Roma allegato al presente decreto di cui costituisce parte integrante.

Roma, 14/02/2023

L'Amministratore Delegato e Direttore Generale
(Dott. Andrea Rossi)

ROSSI ANDREA
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C=IT
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Il Rettore
(Prof. Eugenio Guglielmelli)

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UNIVERSITA' CAMPUS BIO-MEDICO DI ROMA

INTERNAL CALL FOR APPLICATION UNIVERSITY STRATEGIC PROJECTS

CALL FOR PROPOSALS OF STRATEGIC RESEARCH PROJECTS

1. Purpose and object of the call

Università Campus Bio-Medico di Roma (hereinafter called the "University") issues a call for proposals coordinated by the UCBM Research Units (hereinafter called the "RUs") in order to fund projects to be developed at the internal research facilities.

The general purpose of this call for proposals is to enhance the capabilities of the RUs to oversee and participate in the HORIZON Europe research program and in national and regional research programs.

In particular, the projects must focus on one of the emerging strategic themes related to the Destinations of the Clusters of the European Framework Programme for Research and Innovation 2021-2027 "Horizon Europe", as follow:

Clusters	Destinations
Cluster 1 "Health"	<ul style="list-style-type: none">- D1 Staying healthy in a rapidly changing society- D2 Living and working in a health-promoting environment- D3 Tackling diseases and reducing disease burden- D4 Ensuring access to innovative, sustainable and high-quality health care- D5 Unlocking the full potential of new tools, technologies and digital solutions for a healthy society- D6 Maintaining an innovative, sustainable and globally competitive health-related industry
Cluster 2 "Culture, Creativity & Inclusive Society"	<ul style="list-style-type: none">- D1 Innovative Research on Democracy and Governance- D2 Innovative Research on the European Cultural Heritage and the Cultural and Creative Industries- D3 Innovative Research on Social and Economic Transformations
Cluster 3 "Civil Security for Society"	<ul style="list-style-type: none">- D1 Better protect the EU and its citizens against Crime and Terrorism- D2 Effective management of EU external borders, Protected infrastructure- D3 Resilient Infrastructure- D4 Increased Cybersecurity- D5 Disaster-Resilient Society for Europe- D6 Strengthened Security Research and Innovation.
	<ul style="list-style-type: none">- D1 Climate neutral, circular and digitized production;- D2 Increased autonomy in key strategic value chains for resilient industry;- D3 World leading data and computing technologies;



Cluster 4 “Digital, Industry & Space”	<ul style="list-style-type: none"> - D4 Digital and emerging technologies for competitiveness and fit for the Green Deal; - D5 Open strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data; - D6 A human-centred and ethical development of digital and industrial technologies.
Cluster 5 “Climate, Energy & Mobility”	<ul style="list-style-type: none"> - D1 Climate sciences and responses for the transformation towards climate neutrality - D2 Cross-sectoral solutions for the climate transition - D3 Sustainable, secure and competitive energy supply - D4 Efficient, sustainable and inclusive energy use - D5 Clean and competitive solutions for all transport modes - D6 Safe, resilient transport and smart mobility services for passengers and goods
Cluster 6 “Food, Bioeconomy, Natural Resources, Agriculture & Environment”	<ul style="list-style-type: none"> - D1 Biodiversity and ecosystem services - D2 Fair, healthy and environment-friendly food systems from primary production to consumption - D3 Circular Economy and Bioeconomy Sectors - D4 Clean environment and zero pollution - D5 Land, ocean and water for climate action - D6 Resilient, inclusive, healthy and green rural, coastal and urban communities - D7 Innovative Governance, Environmental Observations and Digital Solutions in Support of the Green Deal

2. Budget and duration

The total funds available for this call for proposals amount to EUR 300.000. Each project will be funded for a maximum of Eur 100.000. All proposals must be structured on a workplan with maximum two-year duration including all the information required in the attached application form (Annex1_proposal template.doc file).

The funds awarded to the RUs participating in a project selected for funding will be transferred in two payments: the first payment, corresponding to the 50% of the total project funding, will be transferred to each RU at the beginning of the first year of the project; the second payment, for the remaining 50% of the overall funding, will be transferred to each RU at the beginning of the second year of the project. The second payment will be settled after a positive assessment of the project progress, with respect to the original goals and workplan carried out by external independent evaluators appointed by the Academic Research Board (DRU).

The funds received by the RUs participating in a project selected for funding, must be spent, without exceptions, only for carrying out activities in the University research facilities and within the deadline of the project.

Any remaining funds at the end of the project should be returned to the University by each RU, unless otherwise authorized.



3. Eligibility

Since one of the main strategic goals of our University is to promote synergy and collaboration among UCBM RUs, is mandatory for each proposal the participation of RUs belonging to at least 2 different UCBM Departments.

A researcher can participate to only one project proposal.

Participation of external research institutions and/or of researchers from external institutions is allowed without funding.

Furthermore, the University will keep all intellectual property rights and commercial exploitation rights of the results arising from the research projects funded within the Call.

One of the University RUs participating in the project will play the role of project Coordinator as RU1. Each RU can play only one role of project Coordinator and can participate to **NO MORE than THREE project proposals**.

Project Coordinator role can be engaged by both Professors and Assistant Professors belonging to UCBM. Each RU participating in a proposal must appoint the project key person of its RU.

If the project Coordinator or the key person of a RU partner are not the Head of the respective RU, a Letter of Endorsement (Annex_2 Letter of endorsement.doc file) signed by the Head of its RU and drawn up according to the form attached to this call for proposals, must be enclosed.

To be eligible for funding, projects must also:

- To comply with the DNSH principle ('Do Not Significant Harm') referred to in Article 17 of Regulation (EU) 2020/852 (Annex 3_DNSH self-declaration);
- To be consistent with the Open Science approach. The relevant costs have to be included in the budget proposal.

4. Evaluation procedure

The evaluation of the project proposals, will be carried out by an External Evaluation Committee (EEC), appointed by the Academic Research Board (DRU). The EEC will be composed by at least three independent experts, who hold no current or previous research collaboration with any of the RUs or with the research staff of the University. For each project proposal submitted to this call, the EEC should select additional external evaluator experts with research background on the topics addressed by the project to be assessed. Each proposal will be evaluated by at least two external independent experts (Evaluators), including foreign researchers.

Each Evaluator has to assign a maximum score of 15 points, according to the following criteria and the respective score:

- 1) Scientific originality and quality of the project: maximum score 5;
- 2) Scientific quality of the applicants, quality of the work plan and adequacy of the financial request: maximum score 5;
- 3) Expected impact of the project, in terms of scientific, innovation and social effects at a general level, and also at University level in terms of effects which may strengthen research, teaching and innovation activities: maximum score 5;



Based on the evaluations expressed by the Evaluators on each project proposal, the EEC will draw up a ranking of the project proposals.

The proposal must be written in English and strictly in line with the attached application form (Annex 1_proposal template.doc file).

It is specifically recommended to comply with the maximum number of characters and the page number limits specified in each section of the application form. **Failure to comply with these limits can foreclose access to funding.**

5. Application procedures and deadlines

The proposal (i.e. Annex 1, Annex 2 and Annex 3 attached files) must be sent to the following e-mail address: cir@unicampus.it. The deadline for the submission is 28th April 2023.

Based on the outcome of the work carried out by the EEC, the DRU will identify the final list of the projects to be funded with the total resources available for this call for proposals.

Each project Coordinator will receive a written official communication with the final evaluation report.

Each project selected for funding must start its activities no later than 45 calendar days after have receiving the official communication.



Annex 1: Proposal Template



Administrative proposal form

1. General information

Horizon Europe Cluster and Destination:

Proposal title (max 200 characters with spaces. Must be understandable for non-specialists in your field)

Acronym:

Duration in months:

Keywords (max 5 keywords, max 200 characters with space):

Abstract (max. 2.000 characters with spaces)

Short summary to clearly explain:

- the objectives of the proposal
- how they will be achieved

- *Use plain typed text, avoiding formulae and other special characters.*
- *Abstract will be used as short description of the proposal in the evaluation process.*
- *Do not include any confidential information.*

2. Participants and Contacts

Research Units (R.U.) carrying out the proposed work

R.U.1 (Coordinator):

Person in charge of the proposal:

Title:

First name:

Last name:

Email:

Date of birth:

R.U. n:

Key person:

Title:

First name:

Last name:

Email:

Date of birth:

R.U. n.



3. Budget of the proposal

RU name	Direct personnel costs (A)	Other direct costs (B)	Direct costs of subcontracting (C)	Total estimated eligible costs (A+B+C)	Co-funding (D)	Grant requested (A+B+C-D)
Total						



Technical Annex

Cover Page

Title of proposal:

List of participants

Participant n°	Research Unit Name



[Proposal Acronym]

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[Proposal Acronym]

1. Excellence (max 15 pages with bibliography)

1.1 Objectives and ambition

- Describe the specific objectives of the project, which should be clear, measurable, realistic and achievable within the duration of the project. Objectives should be consistent with the expected exploitation and impacts of the project (see section 2).
- Describe the advance your proposal would provide beyond the state-of-the-art, and the extent the proposed work is ambitious. Your answer could refer to the ground-breaking nature of the objectives, concepts involved, issues and problems to be addressed, and approaches and methods to be used.
- Describe the innovation potential which the proposal represents. Where relevant, refer to products and services already available on the market. Please refer to the results of any patent search carried out.
- Describe where the proposed work is positioned in terms of R&I maturity (i.e. where it is situated in the spectrum from 'idea to application', or from 'lab to market'). Where applicable, provide an indication of the Technology Readiness Level, if possible distinguishing the start and by the end of the project

1.2 Methodology

- Describe and explain the overall methodology, including the concepts, models and assumptions that underpin your work. Explain how this will enable you to deliver your project's objectives. Refer to any important challenges you may have identified in the chosen methodology and how you intend to overcome them.
- Describe any national or international research and innovation activities whose results will feed into the project, and how that link will be established;
- Explain how expertise and methods from different disciplines will be brought together and integrated in pursuit of your objectives. If you consider that an inter-disciplinary approach is unnecessary in the context of the proposed work, please provide a justification.
- Describe any national or international research and innovation activities, which will be linked with the project, especially where the outputs from these will feed into the project.
- Where relevant, describe how the gender dimension (i.e. sex and/or gender analysis) is taken into account in the project's research and innovation content [e.g. 1 page].



2. Impact (max 5 pages)

2.1. Project's pathways towards impact

Please be specific, and provide only information that applies to the proposal and its objectives.

- Provide a narrative explaining how the project's results are expected to make a difference in terms of impact, beyond the immediate scope and duration of the project.
- Describe how your project will contribute to:
 - improving innovation capability and the integration of new knowledge, strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets; and, where relevant, by delivering such innovations to the markets;
 - any other environmental and socially important impacts (if not already covered above)
 - improving the innovation capability of Università Campus Bio-Medico di Roma.Wherever possible, use quantified indicators and targets.
- Describe any barriers/obstacles, and any framework conditions (such as regulation and standards), that may determine whether and to what extent the expected impacts will be achieved. (This should not include any risk factors concerning implementation, as covered in section 3.2.)

2.2. Measures to maximise impact - dissemination, exploitation and communication

- Describe the planned measures to maximise the impact of your project by providing a first version of your 'plan for the dissemination and exploitation including communication activities'. Describe the dissemination, exploitation and communication measures that are planned, and the target group(s) addressed.
- Outline your strategy for the management of intellectual property, foreseen protection measures, such as patents, design rights, copyright, trade secrets, etc., and how these would be used to support exploitation. The approach to innovation should be as comprehensive as possible, and must be tailored to the specific technical, market and organisational issues to be addressed.
- Explain how the proposed measures will help to achieve the expected impact of the project. Include a business plan where relevant.
- Where relevant, include information on how the participants will manage the research data generated and/or collected during the project.
- Outline the strategy for knowledge management and protection. Include measures to provide Open Access (free on-line access, such as the 'green' or 'gold' model) to peer-reviewed scientific publications which might result from the project.
- Describe the proposed communication measures for promoting the project and its findings during the period of the grant. Measures should be proportionate to the scale of the project, with clear objectives. They should be tailored to the needs of various audiences, including groups beyond the project's own community. Where relevant, include measures for public/societal engagement on issues related to the project.



3. Quality and efficiency of the implementation (max 15 pages)

3.1. Work plan – Work packages, deliverables and milestones

Please provide the following:

- brief presentation of the overall structure of the work plan;
- timing of the different work packages and their components (Gantt chart or similar);
- detailed work description, i.e.:
 - a description of each work package (table 3.1a);
 - a list of work packages (table 3.1b);
 - a list of major deliverables (table 3.1c);
 - a list of major milestones (table 3.1.d)
 - a description of any critical risks identified relating to project implementation and mitigating actions (table 3.1e).
- graphical presentation of the components showing how they inter-relate (Pert chart or similar).

Give full details. Base your account on the logical structure of the project and the stages in which it is to be carried out. Include details of the resources to be allocated to each work package. The number of work packages should be proportionate to the scale and complexity of the project.

You should give enough detail in each work package to justify the proposed resources to be allocated and also quantified information so that progress can be monitored.

You are advised to include a distinct work package on ‘management’ (see section 3.2) and to give due visibility in the work plan to ‘dissemination and exploitation’ and ‘communication activities’, either with distinct tasks or distinct work packages.

You will be required to include an updated (or confirmed) ‘plan for the dissemination and exploitation of results’ in both the periodic and final reports. (This does not apply to topics where a draft plan was not required.) This should include a record of activities related to dissemination and exploitation that have been undertaken and those still planned. A report of completed and planned communication activities will also be required.

Definitions:

‘Work package’ means a major sub-division of the proposed project.

‘Deliverable’ means a distinct output of the project, meaningful in terms of the project's overall objectives and constituted by a report, a document, a technical diagram, a software etc.

‘Milestones’ means control points in the project that help to chart progress. Milestones may correspond to the completion of a key deliverable, allowing the next phase of the work to begin. They may also be needed at intermediary points so that, if problems have arisen, corrective measures can be taken. A milestone may be a critical decision point in the project where, for example, the consortium must decide which of several technologies to adopt for further development.

Table 3.1a: Work Package Description

For each work package

Work package number		Start date or starting event			
Work package title					
RU number					
RU name					
Person/months per participant					



KEY

Deliverable numbers in order of delivery dates. Please use the numbering convention <WP number>.<number of deliverable within that WP>.

For example, deliverable 4.2 would be the second deliverable from work package 4.

Type:

Use one of the following codes:

- R: Document, report (excluding the periodic and final reports)
- DEM: Demonstrator, pilot, prototype, plan designs
- DEC: Websites, patents filing, press & media actions, videos, etc.
- OTHER: Software, technical diagram, etc.

Dissemination level:

Use one of the following codes:

- PU = Public, fully open, e.g. web
- CO = Confidential

Delivery date

Measured in months from the project start date (month 1)

Table 3.1d: List of milestones

Milestone (number)	Milestone name	Related work package(s)	Estimated date	Means of verification

KEY

Estimated date

Measured in months from the project start date (month 1)

Means of verification

Show how you will confirm that the milestone has been attained. Refer to indicators if appropriate.

For example: a laboratory prototype that is 'up and running'; software released and validated by a user group; field survey complete and data quality validated.

Table 3.1e: Critical risks for implementation

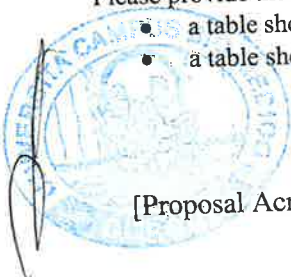
Description of risk	Work package(s) involved	Proposed risk-mitigation measures

3.2. Resources to be committed

Please make sure the information in this section matches the costs as stated in the budget table in section 3 of the administrative proposal forms, and the number of person/months, shown in the detailed work package descriptions.

Please provide the following:

- a table showing number of person/months required (table 3.3a), and
- a table showing 'other direct costs' (table 3.3b).



[Proposal Acronym]

Table 3.3a: Summary of staff effort

Please indicate the number of person/months over the whole duration of the planned work, for each work package, for each RU. Identify the work-package leader for each WP by showing the relevant person-month figure in bold.

	WP1	WP2	WPn	Total person/months per RU
RU n°/ name				
RU n°/ name				
RU n°/ name				
RU n°/ name				
RU n°/ name				
Total person/months				

Table 3.3b: Other direct costs

Please complete the table below for each RU

RU number/ name	Cost (EUR)	Justification
<i>Travel</i>		
<i>Equipment</i>		
<i>Other goods and services</i>		
<i>Total</i>		



[Proposal Acronym]

4. Participants (max 2 pages for each participant)

Please provide, for each participant, the following (if available):

- a description of the RU and its main tasks, with an explanation of how its profile matches the tasks in the proposal;
- a curriculum vitae or description of the profile of the persons, including their gender, who will be primarily responsible for carrying out the proposed research;
- a list of up to 5 relevant publications, and/or products, services (including widely-used datasets or software), or other achievements relevant to the call content;
- a list of up to 5 relevant previous projects or activities, connected to the subject of this proposal;
- a description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

4.1 Third parties involved in the project (including use of third party resources)

Does the participant plan to subcontract certain tasks (please note that core tasks of the project should not be sub-contracted because research funding is supposed to support RUs of the Univerisity only)	Yes/No
<i>If yes, please describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties? A third party is an affiliated entity or has a legal link to a participant implying a collaboration not limited to the action.	Yes/No
<i>If yes, please describe the third party, the link of the participant to the third party, and describe and justify the foreseen tasks to be performed by the third party</i>	



[Proposal Acronym]

5. Ethics and security

5.1 Ethics

ETHICAL ISSUES TABLE	YES/NO	Reference page of the proposal
Informed Consent		
Does the proposal involve children?		
Does the proposal involve patients or persons not able to give consent?		
Does the proposal involve adult healthy volunteers?		
Does the proposal involve Human Genetic Material?		
Does the proposal involve Human biological samples?		
Does the proposal involve Human data collection?		
Does your research involve physical interventions on the study participants?		
Does it involve invasive techniques?		
Research on Human embryo/foetus		
Does the proposal involve Human Embryos?		
Does the proposal involve Human Foetal Tissue / Cells?		
Does the proposal involve Human Embryonic Stem Cells?		
Privacy		
Does the proposal involve processing of genetic information or personal data (eg health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)		
Does the proposal involve tracking the location or observation of people?		
Research on Animals		
Does the proposal involve research on animals?		
Are those animals transgenic small laboratory animals?		
Are those animals transgenic farm animals?		
Are those animals cloning farm animals?		
Are those animals non-human primates?		
Research Involving Developing Countries		
Use of local resources (genetic, animal, plant, etc)		
Benefit to local community (capacity building ie access to healthcare, education etc)		
Dual Use		
Research having potential military / terrorist application		
Research having the potential for terrorist abuse		

If you have entered any ethics issues in the ethical issue table, you must:

- submit an ethics self-assessment, which:
 - describes how the proposal meets the “UCBM Carta dei Principi”, and other national legal and ethical requirements;
 - explains in detail how you intend to address the issues in the ethical issues table, in particular as regards:
 - ✓ research objectives (e.g. study of vulnerable populations, dual use, etc.),
 - ✓ research methodology (e.g. clinical trials, involvement of children and related consent procedures, protection of any data collected, etc.),
 - the potential impact of the research (e.g. dual use issues, environmental damage, stigmatisation of particular social groups, political or financial retaliation, benefit-sharing, malevolent use , etc.);
- provide the documents that you need under national law(if you already have them), e.g.:
 - an ethics committee opinion,
 - the document notifying activities raising ethical issues or authorising such activities.

[Proposal Acronym]

If these documents are not in English, you must also submit an English summary of them (containing, if available, the conclusions of the committee or authority concerned).

5.2 Security

Activities or results raising security issues: (YES/NO)

If yes, provide information on security aspects



[Proposal Acronym]

Annex 2: Letter of Endorsement





UNIVERSITA'
CAMPUS
BIO-MEDICO
DI ROMA

Rome, _____

Subject: Prof./Dr. _____ participation in the internal
call for application "Strategic University Projects – Topic:"

I undersigned Prof. _____, Head of the _____
Research Unit, hereby endorse Prof./Dr. _____ to submit as
Coordinator/to participate as Key Person in/ the project

Yours sincerely

Prof. _____



Annex 3: DNSH declaration





UNIVERSITA'
CAMPUS
BIO-MEDICO
DI ROMA

Rome, _____

Subject: Internal call for application "Strategic University Projects – Topic:". Declaration of compliance with the DNSH principle.

I undersigned Prof./Dr. _____, Research Unit _____,
as Principal Investigator of the project

DECLARE

that the implementation of the project activities is consistent with the principles and specific obligations relating to the principle of "Do No Significant Harm" (DNSH) set out in Article 17 of Regulation (EU) 2020/852.

Yours sincerely

Prof./Dr. _____

