**GOT ENERGY TALENT- COFUND Fellowship Application Supporting Documents – Research proposal**

Please use the following form to describe your research proposal and other supporting information for your GOT ENERGY TALENT Fellowship Application. Please complete all sections unless specified as optional. Before completing your application, you should have carefully read the Guide for Applicants. We also recommend to pay close attention to the assessment criteria detailed in the **Guide for Evaluators** available at <http://gotenergytalent.uah.es/second-call/>. For any further queries, email [tecnico.cofund@uah.es](mailto:tecnico.cofund@uah.es). *Applications which do not use this template, or which do not comply with the prescribed section limits or which modify the layout or formatting of the template in any way, will be considered ineligible and will be* ***excluded from further review***.

**Research proposal**

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| Name and surname: | *Please use the same data as provided in the administrative form* |
| Title of the proposal: | *Please use the same data as provided in the administrative form* |
| Keywords: | *Please use the same data as provided in the administrative form* |

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| **MOTIVATION LETTER**  *(Please briefly outline your interest in GOT ENERGY TALENT programme and in the field of smart energies. Maximum 600 words)* |
| *Please fill in in Calibri Light 11. Maximum 600 words*  *-Outline your interest in participating in GOT ENERGY TALENT programme*  *-Outline your interest in the field of smart energies* |

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| **RESEARCH PROPOSAL – PART A**  *(Please provide a detailed description of the research hypothesis and objectives, as well as the project implementation and methodology. Maximum 15 pages)* |
| *Please fill in in Calibri Light 11.*  **1. Abstract of the research project (250 words)**  **2. Excellence**  **2.1. Objectives, theoretical framework and methodology**  *Main goals and objectives of the project.*  *Description of the state-of-the-art of research in the field and its relationship with the project.*  *Research methodology and approach that will be applied to reach the objectives.*  *Gender dimension in the research content (if relevant).*  *Inter- and multidisciplinary aspects of the project (if relevant).*  **2.2. Originality and innovative character of the project**  *Originality and innovative aspects of the research project: explain the contribution that the action is expected to make to advancements within the action field. Describe any novel concepts, approaches or methods that will be implemented.*  **3. Implementation: work plan and feasibility (time schedule and projected costs)**  *Presentation of your work plan, including: overall description of the work plan; list and detailed description of the work packages; list of deliverables and milestones.*  *Timing of the different work packages and their components: outline the allocation of tasks over time (using a Gantt Chart) and the allocation of resources.*  *Describe the potential risks associated with project implementation and propose contingency plans.*  *The following work packages are mandatory:*   |  |  |  |  | | --- | --- | --- | --- | | **Work package number** | 1 | **Months** |  | | **Work package title** | Management and evaluation | | | | **Objectives** | | | | | **Description of work:**  *\*You do not have to modify or develop further this work package. It is included here only for managing purposes, so that you take it into account for the planning and managing of you project.*  T1.1. Biannual report by the fellows about the functioning of the fellowship programme  D1.1 Mid-term report on the functioning of the fellowship programme - M12  D1.2 Final report on the functioning of the fellowship programme - M24 | | | |  |  |  |  |  | | --- | --- | --- | --- | | **Work package number** | 2 | **Months** |  | | **Work package title** | Fellowship Development Plan (FDP) | | | | **Objectives** | | | | | **Description of work:**  *\*You do not have to modify or develop further this work package. It is included here only for managing purposes, so that you take it into account for the planning and managing of your project.*  T2.1. Designing the Fellow Development Plan. The fellow will, together with his/her mentor, design an individual, specific planning for his/her training and career development. Objectives, milestones, deliverables and expectations will be gathered in the FDP, based on the submitted proposal. The FDP will encompass the development and deepening of skills directly related to their discipline but also in other disciplines and sectors and transversal skills such as management, IPR, financial skills, etc.  T2.2. Executing the Fellow Development Plan. The fellow will have to execute the Fellow Development Plan designed in T1.  T2.3 Updating of the FDP: midterm review and final review. In the mid-term review, fellows must report on their progress. Fellows will review and update their FDP at the end of the first year. This will be especially important for those fellows doing a second year of applied research. In those cases, the fellow will have a new mentor in his/her new host institution. The FDP will be consequently updated, including a new focus when going from advanced research to an applied research path. The final report will also gather all scientific advances achieved during the fellowship.  D2.1 Fellowship Development Plan – M2  D2.2. Mid-term review of Fellowship Development Plan – M12  D.2.3 Final Fellowship Development Plan – M24 | | | |   **4. Impact**  **4.1. Enhancing the potential and future career prospects of the researcher**  *Applicants should demonstrate how their professional experience and the proposed research will contribute to their development as independent/mature researchers during the fellowships. Explain the expected impact of the planned research and training on the future career prospects for your career after the fellowship. Describe the added value of the fellowship on your future career opportunities. Which new competences and skills will be acquired?*  **4.2. Dissemination, exploitation and communication**  *Dissemination and exploitation. Describe how the new knowledge generated by the action will be disseminated and exploited, e.g., communicated, transferred into other research settings or, if appropriate, commercialised. Describe, when relevant, how intellectual property rights will be dealt with.*  *\*Dissemination is targeted at peers (scientific or the action’s own community, industry and other commercial actors, professional organisations, policy-makers) and at the wider research and innovation community.*  *Communication. The frequency and nature of communications activities should be outlined in the proposal.*  *Communication is targeted at the wider public with the aim to account for public spending.*  *An area of the Got Energy Talent website will be available for GET fellows to highlight their own project[[1]](#footnote-1). Fellows must update and maintain their profile on the website through communication activities*  **4.3 Impact in the industry and the research context**  *Explain how your project fits in the regional context (alignment with the RIS3, importance of the topic for Madrid region and its industrial base, and the private sector).* ***For more information regarding the RIS3, please check the Guide for Applicants****.* |

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| **RESEARCH PROPOSAL – PART B**  **APPROPRIATE TECHNICAL CONDITION FORM**  *(Please, describe bellow the laboratory infrastructure required for developing the proposed research work)* |
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| **RESEARCH PROPOSAL – PART C** |
| **RELEVANCE OF THE PROPOSED RESEARCH FOR THE SELECTED HOST RESEARCH GROUP** (*Maximum 2 pages*) |
| **Details of the research group**   |  |  | | --- | --- | | Research line: |  | | Name of the research group: |  | | Academic Host Institution: | UAH OR URJC | | Department: |  | | Mentor: |  |  * 1. **Quality of the supervision and of the integration in the team/institution**   *Please explain how you research fits in the work done by the research group, the complementarities and synergies between your experience and the research group.*  *The application must show that the fellow will be well integrated within the research group at UAH or URJC so that all parties gain maximal knowledge and skills from the fellowship. The nature and the quality of the research group and environment as a whole should be outlined, together with the measures taken to integrate the researcher in the different areas of expertise, disciplines, and international networking opportunities that the host can offer.*   * 1. **Capacity of the Host Research Group**   *Key research facilities, infrastructure and equipment. Demonstrate that the host institution has sufficient facilities and infrastructure to host and/or offer a suitable environment to develop the research project and for the training and transfer of knowledge to the fellow.* |
| **INDUSTRY/RESEARCH HOST INSTITUTION FROM THE NON-ACADEMIC SECTOR**  **(Optional Section –** *Please explain how you research fits in the work done by the host institutions from the non-academic sector, the complementarities and synergies between your experience and the host institution. Maximum 1 page*) |
| |  |  | | --- | --- | | Name of the partner host institution from the non-academic sector: |  |  * 1. **Description of the industry / research host institution**   *Please briefly describe the host partner institution where you would like to spend the second year of your stay: field of work, research done in the institution.*   * 1. **Relevance of the secondment for the research project**   *Please explain the rationale and added value for spending a second year in the mentioned host partner institution, please describe how you research fits in the work done by the partner host institution*   * 1. **Capacity of the industry / research host institution**   *Key research facilities, infrastructure and equipment. Demonstrate that the host institution from the non-academic sector has sufficient facilities and infrastructure to host and/or offer a suitable environment to develop the research project and for the training and transfer of knowledge to the fellow.* |

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| **ETHICS SELF-ASSESSMENT – PART A ETHICS ISSUES TABLE**  *(Please indicate if your research concerns any of the following areas)* |

Compliance with the relevant ethical provisions is essential from the beginning to the end of the action. It is an integral part of research funded by the European Union within Horizon 2020.

Applicants submitting research proposals for funding under Got Energy Talent should proactively demonstrate that they are aware of those provisions and will comply with European and national legislation and fundamental ethical principles, including those reflected in the Charter of Fundamental Rights of the European Union[[2]](#footnote-2) and the European Convention on Human Rights and its Supplementary Protocols[[3]](#footnote-3).

**Please be aware that it is the applicants' responsibility to identify any potential ethical issue in order to handle the ethical aspects of the proposal and detail how these aspects will be addressed.**

**Ethics issues table**

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| --- | --- | --- | --- | --- |
| 1. HUMAN EMBRYOS/FOETUSES | | |  | Page |
| Does your research involve Human Embryonic Stern Cells (hESCs)? | | | Yes  No |  |
| If Yes, | | Will they be directly derived from embryos within this project? | Yes  No |  |
| Are they previously established cells lines? | Yes  No |  |
| Does your research involve the use of human embryos? | | | Yes  No |  |
| If Yes, | | Will the research lead to their destruction? | Yes  No |  |
| Does your research involve the use of human foetal tissues / cells? | | | Yes  No |  |
| 2. HUMANS | | |  | Page |
| Does your research involve human participants? | | | Yes  No |  |
| If Yes, | | Are they volunteers for social or human sciences research? | Yes  No |  |
| Are they persons unable to give informed consent? | Yes  No |  |
| Are they vulnerable individuals or groups? | Yes  No |  |
| Are they children/minors? | Yes  No |  |
| Are they patients? | Yes  No |  |
| Are they healthy volunteers for medical studies? | Yes  No |  |
| Does your research involve physical interventions on the study participants? | | | Yes  No |  |
| If Yes, | | Does it involve invasive techniques? (e.g. collection of human cells or tissues, surgical or medical interventions, invasive studies on the brain, TMS etc.)? | Yes  No |  |
| Does it involve collection of biological samples? | Yes  No |  |
| If your research involves processing of genetic information, see also section 4. | | | | |
| 3. HUMANS CELLS / TISSUES | | |  | Page |
| Does your research involve human cells or tissues (other from Human Embryos / Foetuses, i.e. section 1)? | | | Yes  No |  |
| If Yes, | Are they available commercially? | | Yes  No |  |
| Are they obtained within this project? | | Yes  No |  |
| Are they obtained from another project, laboratory or institution? | | Yes  No |  |
| Are they obtained from biobank? | | Yes  No |  |
| 4. PERSONAL DATA | | |  | Page |
| Does your research involve personal data collection and/or processing? | | | Yes  No |  |
| If Yes, | Does it involve the processing of special categories of personal data (e.g. genetic, health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction.)? | | Yes  No |  |
| Does it involve processing of genetic, biometric or health data? | | Yes  No |  |
| Does it involve profiling, systematic monitoring of individuals or processing of large scale of special categories of data, intrusive methods of data processing (such as, tracking, surveillance, audio and video recording, geolocation tracking etc.) or any other data processing operation that may result in high risk to the rights and freedoms of the research participants? | | Yes  No |  |
| Yes  No |  |
| Does your research involve further processing of previously collected personal data (including use of preexisting data sets or sources, merging existing data sets)? | | | Yes  No |  |
| Does your research involve publicly available data? | | | Yes  No |  |
| Is it planned to export personal data from the EU to non-EU countries? | | | Yes  No |  |
| Is it planned to import personal data from non-EU countries into the EU? | | | Yes  No |  |
| 5. ANIMALS[[4]](#footnote-4) | | |  | Page |
| Does your research involve animals? | | | Yes  No |  |
| If Yes, | Are they vertebrates? | | Yes  No |  |
| Are they non-human primates (e.g. monkeys, chimpanzees, gorillas, etc.)? | | Yes  No |  |
| Are they genetically modified? | | Yes  No |  |
| Are they cloned farm animals? | | Yes  No |  |
| Are they endangered species? | | Yes  No |  |
| Please indicate the species involved (Maximum number of characters allowed: 1000) | | | | |
| 6. THIRD COUNTRIES | | |  | Page |
| In case non-EU countries are involved, do the research related activities undertaken in these countries raise potential ethics issues? | | | Yes  No |  |
| If yes, specify the countries involved: (Maximum number of characters allowed: 1000) | | | | |
| Do you plan to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)? | | | Yes  No |  |
| Do you plan to import any material – including personal data – from non-EU countries into the EU? | | | Yes  No |  |
| If yes, specify material and countries involved: (Maximum number of characters allowed: 1000) | | | | |
| Do you plan to export any material – including personal data – from the EU to non-EU countries? | | | Yes  No |  |
| If yes, specify material and countries involved: (Maximum number of characters allowed: 1000) | | | | |
| In case your research involves low and/or lower middle-income countries, are any benefits-sharing actions planned? | | | Yes  No |  |
| Could the situation in the country put the individuals taking part in the research at risk? | | | Yes  No |  |
| 7. ENVIROMENTAL& HEALTH AND SAFETY | | |  | Page |
| Does your research involve the use of elements that may cause harm to the environment, to animals or plants? | | | Yes  No |  |
| Does your research deal with endangered fauna and/or protected areas? | | | Yes  No |  |
| Does your research involve the use of elements that may cause harm to humans, including research staff? | | | Yes  No |  |
| 8. DUAL USE | | |  | Page |
| Does your research involve dual-use items in the sense of Regulation 428/2009, or other items for which an authorisation is required? | | | Yes  No |  |
| 9. EXCLUSIVE FOCUS ON CIVIL APPLICATIONS | | |  | Page |
| Could you research raise concerns regarding the exclusive focus on civil applications? | | | Yes  No |  |
| 10. MISUSE | | |  | Page |
| Does your research have the potential for misuse of research results? | | | Yes  No |  |
| 11. OTHER ETHICS ISSUES | | |  | Page |
| Are there any other ethics issues that should be taken into consideration? Please specify | | | Yes  No |  |

I confirm that I have taken into account all ethics issues described above and that, if any ethics issues apply, I will complete the ethics self-assessment and attach the required documents.

The numbered questions above are mandatory. **If you answered ‘YES’ to any mandatory question, please provide further information on how these issues will be addressed in Part B of the “Ethics Self-Assessment” below.**

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| **ETHICS SELF-ASSESSMENT – PART B ETHICS SELF-ASSESSMENT**  *If you have identified ethical issues in the Ethical Issues Table - Part A, you must fill in the Part B and provide the necessary documentation.* |
| *If you have identified ethical issues in the Ethical Issues Table of Part A, you must fill in the Part B and provide the necessary documentation. The Ethics Self-Assessment must:*   1. ***For each area identified in the Ethics Issues Table, describe how the proposal meets the EU and national legal and ethics requirements of the country/countries where the task raising ethical issues is to be carried out.***   *For more information on how to deal with Third Countries please see Article 34 of the Annotated Model Grant Agreement[[5]](#footnote-5).*  *Please list the documents provided with their expiry date. Ensure early compliance of the proposed research with EU and national legislation on ethics in research. Should your proposal be selected for funding, you will be required to confirm that you have obtained the following documents (if applicable):*   * *any ethics committee opinion required under national law and* * *any notification or authorisation for activities that raise ethical issues required under national and/or European law, which are necessary to implement the action tasks in question.*   *If you have not already applied for/received the ethics approval/required ethics documents when submitting the proposal, please indicate in this section the approximate date when you will obtain the missing approval/any other ethics documents. Please state explicitly that you will not proceed with any research with ethical implications before obtaining the necessary authorizations/ opinions.*  *The documents must be kept on file and be submitted upon request by the researcher to the Ethics Committee. If they are not in English, they must be submitted together with an English summary, which shows that the action tasks in question are covered and includes the conclusions of the committee or authority concerned (if available).*  *If you plan to request these ethics documents specifically for your proposed action, your request must contain an explicit reference to the action's title.*   1. ***Explain in detail how you intend to address the ethical issues flagged, in particular with regard to:***  * *the research objectives (e.g. study of vulnerable populations, cooperation with a Third Country, etc.);* * *the research methodology (e.g. clinical trials, involvement of children and related information and consent/assent procedures, data protection and privacy issues related to data collected, etc.);* * *the potential impact of the research (e.g. dual use issues, environmental damage, malevolent use, etc.);* * *the appropriate health and safety procedures - conforming to relevant local/national guidelines/legislation - for the staff involved;* * *the possible harm to the environment the research might cause, (as an example: environmental risks of nanomaterials), and measures that will be taken to mitigate the risks.* |

Research proposals selected for funding and having identified ethical issues will go through an Ethical Assessment by Got Energy Talent Ethics Committee. The Ethics Committee is made of both Ethics Committees at URJC and UAH. The Ethics Committee of the host academic institution the candidate applied for —either UAH or URJC— will be the competent body evaluating the ethical issues in the proposal.

The ethical report arising from the Ethical Committee will be reported to the fellow during the negotiation phase. If the Ethics Committee finds that ethic issues are insufficiently addressed, the applicant will be asked to review his/her approach and solve these issues in order to have a favorable report by the Ethics Committee. If, after this review, the Ethics Committee considers that the project proposal does not comply with ethics provisions and with the applicable legislation, the project proposal might be rejected.

More information: <http://gotenergytalent.uah.es/ethics/>

1. <http://gotenergytalent.uah.es/> [↑](#footnote-ref-1)
2. Charter of Fundamental Rights of the European Union, http://www.europarl.europa.eu/charter/pdf/text\_en.pdf [↑](#footnote-ref-2)
3. European Convention on Human Rights and its Supplementary Protocols, http://www.echr.coe.int/Documents/Convention\_ENG.pdf [↑](#footnote-ref-3)
4. Animals - Directive 2010/63/EU of the European Parliament and of the Council of 22 September 2010 on the protection of animals used for scientific purposes. [↑](#footnote-ref-4)
5. <http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/amga/h2020-amga_en.pdf> [↑](#footnote-ref-5)