**APEX FELLOWSHIP PROGRAMME**

**PART A**

**ADMINISTRATIVE INFORMATION**

**2019 CALL**



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# **GENERAL INFORMATION**

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| The research project title should be no longer than 200 characters (with spaces).  Please carefully choose the research topic since this will guide the programme’s management team in the selection of experts for the proposal evaluation.  Enter up to 5 keywords you consider necessary to characterise the scope of your proposal.  Specify your APEX academic supervisor and host institution.  You should delete the grey guideline boxes provided in each section. |

|  |  |
| --- | --- |
| Research project title: | [x] |

|  |  |
| --- | --- |
| Research project theme: | [x] |

|  |  |
| --- | --- |
| Key words: | [x] |

|  |  |
| --- | --- |
| Academic supervisor: | [x] |
| Host Institution: | [x] |

# **ABSTRACT**

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| --- |
| Enter a short summary (max. 2,000 characters; with spaces) to clearly explain: the objectives of the proposal, and how they will be achieved.  Do not include any confidential information. Use plain typed text, avoiding formulae and other special characters. |

# **ELIGIBILITY TO THE APEX PROGRAMME**

|  |
| --- |
| Please complete the following sections to demonstrate your eligibility to the APEX programme. Please note that should you be successful in your application, you will be required to supply documentary evidence to back up the information provided in this form. |

|  |  |
| --- | --- |
| Applicant name: | [x] |
| Research project title: | [x] |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section 1: Qualifications**  (Applicants must be Experienced Researchers: they shall, at the call deadline, be in possession of a doctoral degree or have at least four years full-time equivalent research experience. Full-time equivalent research experience is measured from the date when the researcher obtained the degree entitling him/her to embark on a doctorate, even if a doctorate was never started or envisaged). | | | | | |
| Section 1.1:  Please fill in section 1.1. | | | | | |
| Undergraduate degree: | [x] | Awarding institute and country: | [x] | Date of award: | [dd/mm/yyyy] |
|  | | | | | |
| Doctorate: | [x] | Awarding institute and country: | [x] | Date of award: | [dd/mm/yyyy] |
| Section 1.2:  Alternatively, if you do not hold a PhD, but have at least 4 years full-time equivalent research experience, please complete section 1.2. | | | | | |
| Details of full-time post-graduation research experience (including research carried out, its duration and employer’s details): | [x] | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section 2: Mobility requirements** | | | | | |
| **Section 2.1: To be completed by applicants applying under the general application category** | | | | | |
| Location of your work/study for the period April 2016-April 2019  (Please include details such as dates and countries) | [x] | | | | |
| Were you in the last three years in compulsory national service (e.g. military service)?  (Use call deadline as reference date) | [x] | Duration and period: | [x]  From: [x]  To: [dd/mm/yyyy] | Country: | [x] |

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| **Section 2.2: To be completed by applicants applying under the career restart/reintegration category** | | | | | |
| Location of your work/study for the period April 2016-April 2019 | [x] | | | | |
| Were you in the last five years in compulsory national service (e.g. military service)?  (Use call deadline as reference date) | [x] | Duration and period: | [x]  From: [x]  To: [dd/mm/yyyy] | Country: | [x] |
| Were you out of research for at least 12 months in the last five years?  (Use call deadline as reference date) | [x] | | | | |
| Period of inactivity in research: | From: [dd/mm/yyyy]  To: [dd/mm/yyyy] | | Nature of activities during this period: | [x] | |
| Are you a national or long-term resident of an EU member state or associated country? | [x] | | | | |
| Research details in EU member states/associated countries:  (Include research institution, dates and country for each period entered) | [x] | | | | |

# **ETHICS ISSUES TABLE**

Please complete the ethical assessment table below, indicating “yes” or “no” in the corresponding box:

|  |  |
| --- | --- |
| **1. Human Embryos/Foetuses** | |
| Does your research involve Human Embryonic Stem Cells (hESCs)? | YES  / NO |
| Does your research involve the use of human embryos? | YES  / NO |
| Does your research involve the use of human fetal tissues/cells? | YES  / NO |
| **2. Humans** | |
| Does your research involve human participants? | YES  / NO |
| Does your research involve physical interventions on the study participants? | YES  / NO |
| **3. Human Cells /Tissues** | |
| Does your research involve human cells or tissues (other than from human embryos/foetuses? | YES  / NO |
| **4. Personal Data** | |
| Does your research involve personal data collection and/or processing? | YES  / NO |
| Does your research involve further processing of previously collected personal data (secondary use)? | YES  / NO |
| **5. Animals** | |
| Does your research involve animals? | YES  / NO |
| **6. Third Countries** | |
| In case non-EU countries are involved, do the research related activities undertaken in these countries raise potential ethics issues? | YES  / NO |
| 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 |
| Do you plan to export any material - including personal data - from the EU to non-EU countries? | YES  / NO |
| 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. Environment & Health and Safety** | |
| 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 flora 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** | |
| Does the 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** | |
| Could your research raise concerns regarding the exclusive focus on civil applications? | YES  / NO |
| **10. Misuse** | |
| Does your research have the potential for misuse of research results? | YES  / NO |
| **11. Other Ethics Issues** | |
| Are there any other ethics issues that should be taken into consideration?  If yes, please specify in the ethics statement to be provided under document “PART D – Ethics Self-Assessment”. | YES  / NO |
| If you answered “YES” to any of the questions above, you must provide additional information about how these issues will be addressed in your research by completing document PART D – Ethics Self-Assessment” which will need to be submitted as part of your application documentation.  You may wish to consult the Horizon 2020 Programme Guidance “How to complete your ethics self-assessment” for further information on how to address ethical issues in your research proposal; available at  [http://ec.europa.eu/research/participants/data/ref/h2020/grants\_manual/hi/ethics/h2020\_hi\_ethics-self-assess\_en.pdf.](http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/ethics/h2020_hi_ethics-self-assess_en.pdf.%20) | |

**APEX FELLOWSHIP PROGRAMME**

**PART B**

**RESEARCH PROJECT PROPOSAL**

**2019 CALL**



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**GENERAL INFORMATION**

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| The maximum total length of your research project proposal is 11 pages comprising of the following:   * Start page – 1 page-**On the start page, you are only required to include the title of your proposal.**   A maximum of 10 pages comprising of:   * Section 1: Excellence * Section 2: Impact * Section 3: Implementation   Reviewers will be instructed to disregard pages outside the overall page limit.  Please note that the cover page and the general guidelines page are excluded from the overall page count.  You should delete the grey guideline boxes provided in each section. |

**APEX FELLOWSHIP PROGRAMME**

2019 CALL Part B -RESEARCH PROJECT PROPOSAL

Research project proposal: [Title]

1. **EXCELLENCE**
   1. **Quality, innovative aspects and credibility of the research (level of novelty, appropriate consideration of inter/multidisciplinary and gender aspects)**

|  |
| --- |
| You should develop your proposal according to the following guidelines:   * Introduction, state-of-the-art, specific objectives and overview of the proposal. * Research methodology and approach: highlight the type of research / innovation activities proposed. * Originality and innovative aspects of the research programme: explain the contribution that the research is expected to make to advancements within the field of research. Describe any novel concepts, approaches or methods that will be employed. * The gender dimension in the research content (if relevant): This refers to any gender aspect of the research and not the gender of the applicant. * The interdisciplinary aspects of the research (if relevant). * The secondment to industry (either proposed or agreed). * Explain how the high-quality/novel research is most likely to open up the best career possibilities for you as an independent researcher and the new collaboration opportunities for the research group you will join in the host institution. |

[x]

* 1. **Clarity and quality of the transfer of knowledge/training for the development of the researcher in light of the research objectives and planned secondment**

|  |
| --- |
| Explain how you as an experienced researcher hope to gain new knowledge during the fellowship at the hosting institution and secondment organisation.  Outline any previously acquired knowledge and skills that you might be able to transfer to the host organisations. |

[x]

* 1. **Quality of the supervision and hosting (including intersectoral arrangements)**

|  |
| --- |
| * Qualifications and experience of the academic supervisor - Provide information regarding the supervisor that relates to your research proposal: the level of experience on the research topic proposed and his/her track record of work, including main international collaborations and mentoring/supervision experience. Information provided should include participation in projects, publications, patents and any other relevant results. * Provide details for the industry supervisor and industry secondment organisation if known. |

[x]

* 1. **Capacity of the researcher to reach or re-enforce a position of professional maturity in research**

|  |
| --- |
| Applicants should demonstrate how their professional experience and the proposed research will contribute to their development as independent/mature researchers, **during the fellowship**.  An outline training and career development plan should be provided (note that a complete plan does not need to be included as only an outline is required).  Outline realistic and well-defined career objectives (e.g. obtaining a leading independent position or resuming a research career after a break). The plan should be devised with the final outcome to develop and significantly widen the competences of the experienced researcher, particularly in terms of multi/interdisciplinary expertise, inter-sectoral experience and transferable skills (e.g. gaining research skills and techniques, communication skills, research management, networking, and other transferable skills) **during the period of the fellowship**. Detail how the fellowship will enable you to acquire competencies that improve the prospects of reaching and/or reinforcing a position of professional maturity, diversity and independence. |

[x]

1. **IMPACT**
   1. **Enhancing research- and innovation – related human resources, skills and working conditions to realise the potential of individuals and to provide new career perspectives**

|  |
| --- |
| Explain the expected impact of the planned research and training on your future career prospects **after the fellowship**.  Describe the added value of the fellowship on the future career opportunities for you.  Which new competences and skills will be acquired? How should these make you more successful? |

[x]

* 1. **Effectiveness of the proposed measures for communication and results dissemination**

|  |
| --- |
| * Dissemination and exploitation of results: researchers should ensure that - in compliance with their contractual arrangements - the results of their research are disseminated and exploited (e.g. communicated, transferred into other research settings or, if appropriate, commercialized). Please refer to the “Dissemination & Exploitation” section of the H2020 Online manual[[1]](#footnote-1). * Public engagement: Researchers should ensure that their research activities – both the research and, when available, its results – are made known to society at large in such a way that they can be understood by non-specialists, thereby improving the public’s understanding of science. Direct engagement with the public will help researchers to better understand public interest in priorities for science and technology and also the public’s concerns. Please refer to the “Communicating your project” section of the H2020 Online manual[[2]](#footnote-2) * Describe how the new knowledge generated during the fellowship will be disseminated and exploited (e.g. communicated, transferred into other research settings and the general public and if appropriate, commercialized). * What is your dissemination strategy? * The frequency and nature of communication activities should be outlined. Concrete plans for the above must be included as a deliverable and must be included in a Gantt Chart. |

[x]

1. **IMPLEMENTATION**
   1. **Overall coherence and effectiveness of the work plan including the appropriateness of the allocation of tasks and resources**

|  |
| --- |
| The proposal should be designed in such a way to achieve the desired impact. A Gantt Chart should be included in the text showing the following:   * Work package titles, list of major deliverables, list of major milestones, secondment, dissemination and public engagement activities. * The schedule should be in terms of number of months elapsed from the start of the fellowship.   Describe how the work plan will ensure that the research and training objectives will be reached. |

[x]

* 1. **Appropriateness of the management structure and procedures, including quality management and risk management**

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| Describe the:   * Organisation and management structure, as well as the progress monitoring mechanisms put in place, to ensure that objectives are reached * Research and/or administrative risks that might endanger reaching the action objectives and the contingency plans to be put in place should risk occur |

[x]

* 1. **Appropriateness of the institutional environment (infrastructure)**

|  |
| --- |
| Describe the:   * Main tasks and commitments of the beneficiary and all partner organisations (if applicable) * The infrastructure, logistics, facilities offered in as far as they are necessary for the good implementation of your research |

[x]

**Gantt chart example**

**(Please modify the example below to reflect your work plan including work packages, deliverables, milestones, dissemination, exploitation and communication activities. You may delete/add rows if needed).**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Month** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |
| **WP1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **WP2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **WP3** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Deliverables** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **D1** |  |  |  |  |  | **D2** |
| **Milestones** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **M1** |
| **Secondment** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Conference** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Workshop** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Seminar** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Dissemination** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Public engagement** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**APEX FELLOWSHIP PROGRAMME**

**PART C**

**CURRICULUM VITAE**

**2019 CALL**



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| History of Changes | | | |
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*This project has received funding from the European Union’s Horizon 2020 research and innovation programme under the Marie Sklodowska-Curie grant agreement No. 75453*

**General guidelines:**

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| --- |
| * Your curriculum vitae (CV) should be limited to maximum 5 pages. The template cover page and general guidelines page is excluded from the page count. * Any research career gaps and/or unconventional paths should be clearly explained so that this can be fairly assessed by the independent evaluators. * You should provide a list of achievements reflecting your track record, if applicable:  1. Publications in peer-reviewed scientific journals, peer-reviewed conference proceedings and/or monographs of your research fields, indicating also the number of citations (excluding self-citations) you have attracted. 2. Granted patent(s). 3. Research monographs, chapters in collective volumes and any translations thereof. 4. Invited presentations to peer-reviewed, internationally established conferences and/or international advanced schools. 5. Research expeditions led by you. 6. Organisation of international conferences in the field of the applicant (membership in the steering and/or programme committee). 7. Examples of your participation in industrial innovation. 8. Prizes and Awards. 9. Funding received so far. 10. Supervising and mentoring activities.   Please note that applicants without a PhD degree must complete Section 2 and clearly provide information relating to any period of full-time equivalent research experience.  You should delete the grey guideline boxes provided in each section. |

**Section 1:**

|  |
| --- |
| **Section 1.1 Name:**  This section must be completed by all applicants)  (Please provide the initials of your first name and surname – e.g. John Smith should write J. S.) |
| [x] |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section 1.2: Academic qualifications**  (This section must be completed by applicants who are PhD holders)  (Applicants who do not hold a PhD degree but who are claiming at least 4 year full-time equivalent research experience should complete section 2 instead) | | | | | |
| University degree giving access to PhD | Degree: | Institution name and country: | | Date of award: | |
| [x] | [x] | | [dd/mm/yyyy] | |
| Other university degree (s)/master (s) obtained after the university degree giving access to PhD | Degree: | Institution name and country: | From: | To: | Date of award: |
| [x] | [x] | [dd/mm/yyyy] | [dd/mm/yyyy] | [dd/mm/yyyy] |
| Doctorate | Institution name and country: | From: | To: | Date of award: | |
| [x] | [dd/mm/yyyy] | [dd/mm/yyyy] | [dd/mm/yyyy] | |
| (You may add more entries) | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section 1.3: Employment History**  (This section must be completed by all applicants) | | | |
| Position: | Organisation name and country: | From: | To: |
| [x] | [x] | [dd/mm/yyyy] | [dd/mm/yyyy] |
| (You may add more entries) | | | |

|  |
| --- |
| **Section 1.4: Achievements**  (Please provide details where applicable)  (This section should be completed by all applicants) |
| Participation in industrial innovation/commercialisation:  (e.g. Previous industry collaborations, patents, spin-outs. Please distinguish between patents applied/ under review versus patents granted)  [x] |
| Supervising and mentoring activities:  (Numbers of current and completed MSc and PhD students or other staff, directly under your supervision)  [x] |
| Other information:  (Please include details of any other appropriate information to support your application – e.g. recognitions and awards, invited presentations, funding received so far  [x] |

**Section 2:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section 2.1: Academic Qualifications**  (This section must be completed by applicants who do not hold a PhD degree and who are claiming at least 4 year full-time research experience) | | | | | |
| University degree giving access to PhD | Degree: | Institution name and country: | | Date of award: | |
| [x] | [x] | | [dd/mm/yyyy] | |
| Other university degree (s)/master (s) obtained after the university degree giving access to PhD | Degree: | Institution name and country: | From: | To: | Date of award: |
| [x] | [x] | [dd/mm/yyyy] | [dd/mm/yyyy] | [dd/mm/yyyy] |
| Full-time research experience | Proportion of research activities as a percentage of the duration of the degree:  [x%] | | Duration of research activities expressed in months:  **a** = [x%] \* duration masters in months | |
| Doctorate | Institution name and country: | From: | To: | Date of expected award: | |
| [x] | [dd/mm/yyyy] | [dd/mm/yyyy] | [dd/mm/yyyy] | |
|  |  |  | Duration of research experience expressed in months: | |
| Full-time research experience | | | **b**= [x] | |
| (You may add more entries) | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section 2.2: Other research activities counting towards the total full-time postgraduate research experience** | | | |
| Position: | Institution name and country: | From: | To: |
| [x] | [x] | [dd/mm/yyyy] | [dd/mm/yyyy] |
| Full-time research experience | | Duration of research activities expressed in months: | |
| **c=**[x] | |
| (You may add more entries) | | | |

|  |
| --- |
| **Section 2.3: Total full-time postgraduate research experience (in months)** |
| =**a+b+c =** [x] |

|  |
| --- |
| **Section 3: List of most relevant publications:** |
| (e.g. Peer-reviewed journal articles, review papers, book chapters)  [x] |

**APEX FELLOWSHIP PROGRAMME**

**PART D**

**ETHICS SELF-ASSESSMENT**

**2019 CALL**



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| History of Changes | | | |
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*This project has received funding from the European Union’s Horizon 2020 research and innovation programme under the Marie Sklodowska-Curie grant agreement No. 754535*

**General guidelines:**

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| --- |
| * Applicants who indicated ethical issues in the ethics issues table in Part A – Administrative Information must provide additional information and documentation. Please refer to the Horizon 2020 Guidance on Ethics Self-Assessment (Version 5.2 or later) available at: [http://ec.europa.eu/research/participants/data/ref/h2020/grants\_manual/hi/ethics/h2020\_hi\_ethics-self-assess\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/ethics/h2020_hi_ethics-self-assess_en.pdf%20%20) * Maximum length of your statement is 2 pages. The page count excludes the general guidelines page.   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.). * appropriate health and safety procedures - conforming to relevant local/national guidelines/legislation - for the staff involved * possible harm to the environment the research might cause (e.g. environmental risks of nanomaterials) and measures that will be taken to mitigate the risks. |

1. <http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/dissemination-of-results_en.htm> [↑](#footnote-ref-1)
2. <http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/communication_en.htm> [↑](#footnote-ref-2)