

MSCA INDIVIDUAL FELLOWSHIPS

EUROPEAN FELLOWSHIPS – SOCIETY AND ENTERPRISE PANEL

EXCELLENCE

Strengths:

- The state-of-the-art in direct and indirect measurements of track properties, and particularly the limitations of current systems are clearly articulated. The combination of the computational model developed by the researcher, and unique data obtained by the host is novel.
- Various training aspects are adequately addressed in the proposal, including training through research, hands-on training and participation in host internal courses. They provide adequate measures facilitating the transfer of knowledge from the beneficiary to the fellow. The researcher will gain significant transferable skills including project management communications and leadership skills.
- The host will benefit from the researcher's knowledge and experience in XXXXXX Field. The researcher's expertise is fundamental to the success of the proposed research, in particular simulation experience and code developed for XXXXXXXXXXXX analysis.
- The researcher will participate in the internal meetings of the host which will adequately facilitate his integration in the host workplace environment.
- The researcher has presented at a number of internationally leading conferences and published journal papers in fields aligned with the proposed work.
- Collaboration with a strong industrial partner provides significant benefits.
- The location of the beneficiary institution in a Technology Park environment, with close ties with the local University, will facilitate networking and integration of the researcher.
- The highly motivated applicant will acquire new commercial skills and consolidate existing expertise to reach a position of professional independence.
- Training in soft skills is well planned and designed to prepare the researcher for the level of an independent principal investigator.
- The quality of the supervision in XXXXXXXXXXXX and XXXXXXXXXXXX is convincing and documented by a solid funding record. The expertise of the supervisor in guiding early stage researchers is also demonstrated.
- The supervisors collaborative network is very well developed and the researcher will benefit from access to the network and integration into a highly productive research environment.
- The capacity of the researcher to reach professional maturity is high and they already have substantial research expertise in the fields of molecular biology, which is demonstrated by their publications and a patent .
- The project deals with an interesting and topical issue that lies at the heart of current evolutions and debates in disability issues.
- The proposed research method and approach are potentially innovative in relation to the state-of-the-art.
- Gender aspects, which are of crucial importance in this field, are appropriately built in the research questions.

IMPACT

Strengths:

- The researcher will benefit from the new skills acquired in XXXXXX including XXXXX, experimental techniques and pattern recognition which are complementary with existing skills.
- The dissemination is generally good. A high impact journal has been identified for publication of the research results which will ensure the work gains wide exposure. Presentation of the work will take place at a relevant internationally leading conference. A number of trade journal and events have been identified with respect to showcasing the project outcomes, providing the maximum potential visibility to industrial partners.
- Working closely with the industrial host provides an ideal route for exploitation.
- Communication to the general public will be facilitated by a unique opportunity to use the industrial partner's information meetings and consumer magazine. Several presentations are clearly foreseen to reach different target audiences, including technical, young/university students and general public.
- Activities are properly foreseen to ensure balanced gender representation.
- The researcher will gain extensive training and experience in project management and related activities.
- The high degree of responsibility the researcher will have as a project and laboratory manager is well suited to strengthen the applicant's professional independence and career potential.
- The opportunity to develop a product from the idea to the final product will contribute to the researcher's ability to manage further similar projects.
- The proposed work will build new capacities in the host company which will exploit the research results in the future in developing commercially available air purification devices.
- Well targeted instruments for the communication of the new product in the company and information of the public and potential customers are described.
- The researcher will have the chance to benefit from a interdisciplinary experience, not only at the technical level, but also and importantly at the conceptual level of developing potential applications for a market-driven SME.
- The project has high potential to enhance the career prospects of the researcher due to the timely and innovative research topic and the solid preliminary data presented that promises publication of the project results in a high impact journal.
- The MSCA would enhance the research experience of the researcher in areas beyond their current expertise and provide opportunities for multi- and inter-disciplinary collaborations.
- The plan for using the project results to apply for independent funding is convincing.
- The measures for the dissemination of the results to the research community are well planned and include high impact journals and identified scientific meetings.
- Adequate attention is given to the exploitation and commercialization of the project results.
- The plan for dissemination to the general public of knowledge about the factors and mechanisms driving obesity is very-well elaborated and specific target groups are defined and include students and school children.

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Strengths:

- The work program is effectively structured in a sequence of four work packages and appropriate milestones are established to allow the control of the work progress at critical moments.
- The complementary skills of the researcher and the host ensure the right level of expertise is available for each of the tasks proposed. .
- Management arrangements are appropriate. The researcher will benefit from the opportunity to develop their management skills by leading the project. The supervisor will provide the necessary support through regular meetings. The project will be overseen by a wider range of experts at the host organisation and an interim review will be put in place to ensure the project stays on schedule. Administrative aspects, in particular the financial aspects, will be managed by host administration.
- Infrastructures available to the researcher are very suitable for the proposed tasks with specific equipment available to support the development of the work plan. The GANTT chart is well structured in a clear and logical manner.
- Deliverables and milestones are clearly identified and well connected with the respective work packages.
- The allocation of tasks is very good and appropriate for achieving the project objectives.
- The risk plan is short but contains all needed information in terms of production of the unit and in terms of management.
- The main risks of the project have been clearly identified and successfully addressed.
- Project management through regular meetings and reports is sufficiently described.
- A broad range of state of the art analytical instruments and equipment available at the host and collaborating research centers is clearly specified.
- The host company provides an excellent environment for research and development.
- The host company is committed to fully support the proposed activities performed by the researcher in order to make this project a success.
- Allocation of tasks and resources is appropriate to ensure the research and training objectives. Time allocation is suitable to carry out the work plan proposed.
- The organization and management structure are well-formulated, providing a free dialogue
- The work plan is logically designed and animal experimentation and epigenetics analysis are clearly linked, and will ensure the efficient project implementation.
- Milestones and deliverables are clearly defined and are of high quality.
- All tasks and resources are appropriately allocated and a clear and careful plan is provided for animal experimentation.
- The time schedule for the project tasks is realistic and demonstrates the feasibility of the workplan.
- General management of the project, including financial issues, is appropriately organized at the institutional level.
- The timing of the project monitoring meetings with the direct supervisor and lab members is appropriate for effective monitoring.
- The institutional infrastructure is optimal to conduct this complex and multidisciplinary project. All necessary technological platforms and facilities are available. The host institution offers a very productive environment where basic, translational and clinical research units efficiently interact.

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Weaknesses:

- Research methodologies, especially in 3D semantics and multi-modality data fusion, are too generic and are insufficient for the proper assessment of the research innovation.
- The review of the state-of-the-art is not sufficient as it doesn't adequately review the state-of-the-art directly applicable to aims of the research, and lacks breadth in big data analytics. Much of the state-of-the-art is not sufficiently recent.
- The originality of the proposal is too incremental and limited with regards to existing state-of-the-art solutions in scene reconstruction and understanding. The general idea of collecting large amounts of data from cultural heritage sites and to visualise it to review changes is not new, and the way this research significantly innovates beyond state-of-the-art is not convincingly presented.
- The research environment, and in particular how the research will be integrated into this environment, is not sufficiently described.
- The description of the state-of-the-art is not convincing.
- The novelty of the approach is not convincingly presented.
- The novelty of this action is not evident because the state of the art is poorly overviewed and no relationship with the baseline is made.
- The credibility of this action is diminished because the description of the methodology and approach is too general. Moreover, details of technical solutions are not adequately discussed.
- The knowledge transfer from the Experienced Researcher to the host is not clearly described.
- The proposed training activities are not sufficiently described.
- Quality of the supervision and of the integration in the team/institution is very poorly described in the proposal. For example, it is not clear how the supervision will be implemented, how the teamwork will be set up, and how the hosting arrangement will provide support and guidance to deal with the practical, administrative and research-related aspects of the fellowship.
- The capacity for the researcher to reach improved professional independence is not self-evident. Little information is provided on the researcher's working experiences. The publication track of the record lacks the relevant peer reviewed journal papers. Though the researcher will acquire new skills during the fellowship, the proposal doesn't elaborate how the action will be used to shape the next tracks of the professional career of applicant.
- The state-of-the-art in the field of waste water treatment is not fully presented. The originality and innovative aspects of the research programme are not specified. The project objectives and the research goals are not adequately described and structured. Technological details are not sufficiently presented.
- The interdisciplinary or multidisciplinary approach of the project is not fully articulated.
- Gender aspects are not adequately addressed.

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Weaknesses:

- The enhancement of the potential and the future career aspects of the researcher are not sufficiently described within the proposal. While the
- researcher will have the opportunity to enhance his technical skill set and apply his knowledge to the application area of cultural heritage, it is not sufficiently clear how this will help the researcher's career prospects.
- Appropriate metrics for impact activities are insufficiently detailed
- IPR is not well addressed. Exploitation of project results are not well addressed. The exploitation potential is not credibly proven given the lack of specific activities or metrics in this area.
- Outreach activities directed to the broader public are not described with sufficient details to be fully convincing.
- In spite of its importance for the project, IP management is not sufficiently elaborated.
- The proposal fails to address enhancing the potential future career prospects of the researcher.
- Although there is potential for commercialisation this proposal does not address measures to exploit the research.
- Dissemination activities are listed but the proposal lacks a clear dissemination strategy.
- Measures for communication are inadequately described.
- The description of knowledge transfer methods is insufficiently detailed and documented.
- The potential and future career prospects of the researcher are not convincingly addressed. The applicant used possibilistic terms without adequately analyzing or explaining any possible impact.
- The proposed measures to exploit and disseminate the action results are insufficient. There is no adequate quantification of the actions and no clear targets. Channels for dissemination and exploitation are inadequately described.
- The proposed measures to address different target audiences are inadequate.
- Specific measures for enhancing the career potential of the researcher are insufficiently presented.
- The proposed dissemination plan is very limited.
- Exploitation plans are not sufficiently detailed.
- It is not sufficiently explained how the fellowship will enhance the career prospects of the researcher.
- A strategy to engage patient organizations, which stand to benefit from the research, is not enough outlined.
- There is no coherent plan to actively and directly engage the general public.
- Specific career objectives of the researcher are not sufficiently explained to allow for a comprehensive evaluation of the potential impact of The project on the researcher's future career.
- The proposed measures to disseminate the action results are not adequately described, they lack sufficient details.
- The proposal does not present a coherent dissemination strategy with the description of the specific actions to exploit the project results.

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Weaknesses:

- The work plan is not fully coherent with the objectives of the proposal and the milestones and deliverables are only briefly described.
- Risk analysis is too limited and important aspects are missing, mostly due to research gaps in semantic understanding.
- Risk assessment is inadequately performed. Mitigation measures are not sufficiently described or fully adequate. For example, the Management structure and procedures are too generally addressed within the proposal and details regarding meetings, advisory teams, appraisal etc. are not well developed.
- Work package contents are described in too generic and not sufficiently clear terms .
- The timing proposed for project activities is not sufficiently justified. For example, only a brief period of time is allocated to tasks 1.2 and 1.3 (6 + 6 months). Clear preliminary synthetic procedures are not proposed.
- Management tasks assigned to the supervisors are not clearly defined contingency of some obstacles is simply limited to the postponing of the task deadline.
- The work plan is not credible and multiple tasks do not match the stated objectives. Some tasks are of limited relevance for a project of this size and scope.
- There is insufficient information provided to assess the purpose or viability of the technical deliverables. Also the contents of some deliverables is unclear.
- The milestones do not include timing information in appropriate clarity.
- The GANTT chart is confusing, as it does not accurately reflect the tasks in the work plan, leading to unclear dependencies of the tasks.
- The research plan is overly ambitious for the available resources planned for this project.
- The partner roles in different tasks are unclear, and their interaction with the researcher are not convincingly explained.
- While the proposal identifies some risks, it fails to present convincing contingency plans. Moreover, insufficient estimation is provided concerning the probability and the impact of the risks identified.
- Except for the main supervisor, the proposed management structure does not identify all the responsible supervisors and managers.
- No description of work plan and work packages is evident. Some tasks are insufficiently described in the allocation of tasks and resources section but they do not match the work packages or time lines.
- There is insufficient information regarding the production of foreseen deliverables.
- Management structure and procedures are not described.
- The proposal does not sufficiently identify properly possible risks endangering a successful completion of the proposed work and contingency plans are not adequately specified.
- There are no details regarding access to administrative support.
- Task 3.2.3. has the objective of validation of the XXXXXXXX in patients, without any arrangements for designing a clinical trial to ethically cover this research. Inclusion and exclusion criteria of the patients involved in clinical part are not taken into consideration Possible risks and benefits to patients are not clearly addressed