



# FET PATHFINDER



**A mission  
impossible?**

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## EUROPEAN INNOVATION COUNCIL eic

### Milestones reached since 3 June 2020

- **902 proposals** submitted, 9 proposals declared inadmissible, ineligible or were withdrawn. **893 proposal evaluated.**
- More than **1500 experts** were checked for possible Conflict of Interest
- Approximately **900 Remote Evaluators** allocated to between **1** and **8** proposals (apart from few exceptional cases)
- **114 Vice-Chairs Quality Controllers** (VC-QCs) who work with up to 8 (average) proposals each.
- **133 Vice-Chairs Cross Readers** (VC-CRs) who will work :
  - with up to 8 (average) proposals each as Rapporteurs
  - and up to 30 proposals as Cross –Readers with voting rights



To: Everyone

Enter chat message here

# Success rate for this last FET May 2020 call

- 900 proposals
- 190 Meuro budget, each funded project is about 3 Meuro means  $190/3 = 63$  projects funded
- Success rate =  $63/900 = 7\%$  **but projects come from any fields of science!**
- Team composition
- Ambition



Proposal: [REDACTED]  
Panel: CLUSTER-01  
Rapporteur: BAMBONI Fabio

## Individual Evaluation Reports - merged view

### Scores

By	Total score	Excellence (50%)	Impact (20%)	Implementation (30%)
Score [REDACTED]	4.00	4 / 5.0	4.5 / 5.0	5 / 5.0
Score [REDACTED]	4.40	4 / 5.0	5 / 5.0	5 / 5.0
Score [REDACTED]	4.50	4.5 / 5.0	4.5 / 5.0	4.5 / 5.0
Score [REDACTED]	3.80	3.5 / 5.0	4 / 5.0	4.5 / 5.0

### Criterion 1 - Excellence

Expert [REDACTED]

Your score:

4

**Note:** The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme. If a proposal is partly out of scope, this must be reflected in the scoring, and explained in the comments. Adherence to the "FET gatekeepers" as described in the call text:

**Clarity of the radical vision of a science-enabled technology and its differentiation from current paradigms.**

*The idea to develop an artificial intelligence-integrated robotics platform for stem cell differentiation has radically new character. This vision is different from current stem cell differentiation concepts. The shift from current scientific and technological paradigms is clearly described.*

**Novelty and ambition of the proposed science-to-technology breakthrough that addresses this vision.**

*The novelty of the project is introduced clearly, it targets a significant science-to-technology advance through the development of high-throughput protocols for cell differentiation towards specific cell lineages. However, the AI approach has also been already used for evaluation of cell quality and study of the collective dynamics of cell communities. The ambition of the proposal is enough high to address the technological challenge of revolutionizing stem cell manufacturing by iterative process optimization based on computational modelling of differentiation trajectories and active learning from human experts.*

**Range of and added value from interdisciplinarity for opening up new areas of research; non-incrementality of the research proposed.**

*The consortium has assembled an interdisciplinary team to combine gene engineering, stem cells and robotics for optimization of differentiation protocols. Consequently, the level of interdisciplinarity is appropriate and there is a substantial added value from interdisciplinarity. Non-incrementality of the proposal is adequate, as it is addressed as a change of the concept of cell differentiation towards creation of the advanced stem cell manufacturing platform.*

**High-risk, plausibility and flexibility of the research approach.**

## High-risk, plausibility and flexibility of the research approach.

*The proposal presents a high level of risk, it is based on the AI approach, which is central to the successful realization of the project. The plausibility of the research concept is acceptable, it is supported by the developed strategy for integration of ROS-compatible hardware and software. However, the flexibility of the research approach is not fully described.*

*and robotics for optimization of differentiation protocols. Consequently, the level of interdisciplinarity is appropriate and there is a substantial added value from interdisciplinarity. Non-incrementality of the proposal is adequate, as it is addressed at a change of the concept of cell differentiation towards creation of the advanced stem cell manufacturing platform.*

# Criteria EXCELLENCE: some key points

- **Clarity of the radical vision of a science-enabled technology and its differentiation from current paradigms.**
  - From Science Observation A Clear Technology Disruption Will Emerge-→ To Convince The Reviewers
  - Kpis For Objectives!!
- **Novelty And Ambition Of The Proposed Science-to-technology Breakthrough That Addresses This Vision.**
  - Novelty -→ I Do Not Believe That Such Approach Is Novel. Convince The Reviewer That The Research Is Not Incremental.
  - Timeliness
  - Science-to-technology Breakthrough -→ **Is Not An Erc!!!!**
- **Range Of And Added Value From Interdisciplinarity For Opening Up New Areas Of Research; Non-incrementality Of The Research Proposed.**
  - The Interdisciplinarity Is Not The Usual Interdisciplinarity !
  - Non Incrementality → You Have To Argue That The Direction Is Radically Different From Before

# Criteria Excellence and other issues

- **High-risk, plausibility and flexibility of the research approach.**
- **High Risk** But Hopefully High Gain → Convince The Reviewer
- **Plausibility** -> You Have To Prove That It Is Possible To Achieve The Goals (E.G. Is Not Plausible That You Could Bring With 3 M€ Humans On Neptune From Earth In 3 Years).
- **Flexibility** → What It Is The Possibility Of The Proposal To Change Direction Or Research If Something Goes Wrong
- **Table Of Risks!** Equiprobable, Usually Few Risks With Very Predetermined Answer Such As «This Cannot Be Happens Since We Are Good At This....»



# Funding & tender opportunities

Single Electronic Data Interchange Area (SEDIA)

English EN

Register Login

Many of the regulations for the new EU Programmes 2021-2027 are not yet formally adopted by the EU legislator. The content on some of the pages is therefore provisional and may be subject to changes.

Need help?

## Work as an expert

The European Union Institutions appoint external experts to assist in the evaluation of grant applications, projects and tenders, and to provide opinions and advice in specific cases.



In particular, experts assist in:

- **Evaluation** of proposals, prize applications and tenders
- **Monitoring** of actions, grant agreements, public procurement contracts

In addition, experts provide opinion and advise on:

- **Preparation, implementation and evaluation of EU programmes and design of policies.**

In order to select experts, the European Union Institutions publish regularly calls for expression of interest (see list below) detailing the selection criteria, the required expertise, the description of the tasks, their duration, and the conditions of remuneration.

### News

15 Feb, 2021

#### INEA looking for experts to assess CEF Energy calls

The Innovation and Networks Executive Agency (INEA) is looking for experienced experts in energy to assess project proposals submitted under the 2021 Connecting...

04 Jan, 2021

#### Call for expression of interest 2021-2027 – Coming soon

The registration page has been updated with a single opt-in for all services and programmes. This is reflected in your expert profile under data protection wher...

Windows taskbar: Start button, search, task view, File Explorer, Chrome, Settings, WhatsApp, Outlook, Adobe Acrobat. System tray: volume, network, date/time (16:42 mercoledì 03/03/2021).





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**Thank you for  
the attention!**

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