# Supervisor Expression of Interest

**MSCA-IF Marie Sklodowska Curie Action-Individual Fellowship 2020**

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<tr>
<th><strong>Supervisor name:</strong></th>
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<tr>
<td>Department Name:</td>
<td>Department of Management, Economics, and Industrial Engineering</td>
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<tr>
<td>Research topic:</td>
<td>SH1_9 Industrial organisation; strategy; entrepreneurship</td>
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<td></td>
<td>SH3_6 Kinship; diversity and identities, gender, interethnic relations</td>
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<td>SH1_11 Technological change, innovation, research &amp; development</td>
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<td>SH1_4 Financial economics; banking; corporate finance; international finance; accounting; auditing; insurance</td>
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**MSCA-IF Research Area Panels**
- CHE_Chemistry
- **ECO_Economic Sciences**
- ENG_Information Science and Engineering
- ENV_Environmental and Geosciences
- LIF_Life Sciences
- MAT_Mathematics
- PHY_Physics
- SOC_Social Sciences and Humanities

**Politecnico di Milano Areas:**
- Cultural Heritage
- **Smart Cities**
- Territorial Fragilities
- Health
| Brief description of the Department and Research Group (including URL if applicable): | The **Department of Management, Economics, and Industrial Engineering (DIG)** of Politecnico di Milano was established in 1990. Its mission is to have a positive impact on society by creating and sharing knowledge at the crossroads between engineering, management, and economics. To this end, it engages in outstanding research, high quality education, and service to the community. Specifically, DIG pursues scientific excellence by adopting a tailored approach, which relies on multi-disciplinarity, diverse methodologies, and intense connections with practitioners and policymakers. With approximately one hundred professors, DIG is one of the largest departments of Politecnico di Milano. In 2003, DIG partnered with MIP - Politecnico di Milano Graduate School of Business (which focuses on post-experience education) to form the Politecnico di Milano School of Management (www.som.polimi.it). Nowadays, the School has the EQUIS and the AMBA accreditations and ranks among the best European business schools according to the Financial Times and the QS rankings. Moreover, the School participates in several international partnerships, like PRME, Cladea, ACE and QTEM.


On these topics, EFI research group is one of the most reputable and acknowledged voice among leading Universities, public institutions, and private organizations.

The group uses a multidisciplinary approach, which embraces state-of-art methodologies (e.g. econometrics, experiments, and machine learning) to advance economic and managerial theories and achieve scientific excellence. |

| Brief project description: (max 1 page) | **The female penalty in the attraction of resources for entrepreneurship**

The proposed research project aims to study minority issues in |
the attraction of resources by startups, focusing in particular on the gender issues.

Despite representing half of the population, women are still a minority in entrepreneurship across all the entrepreneurial development stages, from the business idea to the exit, passing by the critical stage of entrepreneurial financing.

The project plans to identify the circumstances under which women entrepreneurs suffer a female penalty in the accumulation of critical resources (i.e., financial, human, and social capital) and solutions to mitigate such a penalty.

Not only women are underrepresented among entrepreneurs, but they struggle to access financial capital. For instance, the proportion of women-led ventures financed by venture capital is still low compared to male-led ventures. Moreover, existing literature shows that women entrepreneurs have difficulties in accumulating human and social capital that are critical in raising and developing the new venture.

Such disadvantages contribute to explain, ceteris paribus, that women-led ventures tend to be far lower regarding growth and successes than startups created by men.

The project intends to study the female penalty in entrepreneurship from both the demand-side perspective of women entrepreneurs and the supply-side perspective of resource providers. For instance, women underrepresentation in venture capital-backed startups can appear at the very beginning of entrepreneurial development given that women are less numerous in creating startups and less prone to ask for funding. The causes of these phenomena requires investigation and it is the intention of this project to shed light on the causes of women disadvantages in fundraising. In other words, do women receive less venture capital funding because they opt out from the venture capital market? Moreover, empirical research and data reveal that some supply-side effects are at work. Women-led ventures mostly fail to receive venture capital backing to develop their startup. Their reject rate at the screening stage of the venture capital process is far higher than for male entrepreneurs. Accordingly, we plan to give an explanation to such discrimination by studying it from the supply-side (capital providers) perspective.

Moving from these premises, the project investigates at different levels, which are the factors that explain female penalty in entrepreneurship and how to design actions and policies to overcome it. We will explore both institutional (e.g., country culture) and individual factors (e.g., personality traits) of entrepreneurs and resource providers.
To this end, we propose to apply a dual methodology. First, we will resort to an econometrics methodology by exploiting the VICO database, developed by the EFI group, which is the most authoritative source on venture capital financing in Europe. Second, to disentangle precisely the supply from the demand side factors, we will conduct experiments with entrepreneurs and capital providers; a conjoint analysis experiment is considered given the suitability of this method to our research goals. The EFI research group as research collaborations in the US, Asia and the UK with scholars that have agreed upon participating to data gathering so that we could have a cross-cultural approach to investigate the institutional factors.

We expect to develop several papers that we will submit in a FT-ranked review in Entrepreneurship and Management and to targeted conferences (for instance BCERC, AOM, SMS, RENT, DRUID). We also plan to travel to external academic institutions to present our research in research seminars or workshop. We will also consider the possibility to develop training for students in Entrepreneurship, would-be/novice/fundraisers entrepreneurs and VCs, as well as accelerators and incubators, on the basis of our findings.

Therefore, our research project will contribute to bring new knowledge in gender issues in entrepreneurship and strategy, and result in recommendations for managers and stakeholders of these topics.