

## Marie Skłodowska-Curie Post-doc Positions in Germany

### “Expression of Interest” for hosting Fellows

This template should be used by institutions interested in hosting post-doctoral fellows within the Marie Skłodowska-Curie Individual Fellowship programme. Host institutions should be located in Germany.

#### 1. Valid for the following MSCA-IF Calls<sup>1</sup>:

2017 X	2019 X
2018 X	2020 X

#### 2. Interested host institution:

University of Münster / University Hospital of Münster, Germany

<https://www.ce.uni-muenster.de/>

Prof. Jörg Becker

Medical Faculty: [Dr. Stefan Boese](#)

#### 3. Institute/Department:

Institute of Bioinformatics, Niels-Stensen-Str. 12-14, 48149 Münster, Germany

<http://complex-systems.uni-muenster.de/>

<http://www.bioinformatics.uni-muenster.de/>

#### 4. Contact person (name and e-mail address):

Priv. Doz. Dr. E. Korsching,  
[eberhard.korsching@uni-muenster.de](mailto:eberhard.korsching@uni-muenster.de)

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<sup>1</sup> MSCA Individual Fellowships are selected on the basis of annual calls for proposals. Forthcoming and open calls for proposals can be found on the [Participant Portal](#) of the European Commission under “Funding Opportunities” and “Calls/H2020”.



**5. Project idea/position (scientific requirements, topic, discipline):**

Rough outline of idea/position:

Systems biology of cancer / Algorithmic bioinformatics

Ewing's Sarcoma (ES) belongs to the group of bone cancers defined up to now by the existence of one fusion gene. This oncogenic fusion consists of EWSR1 and members of the ETS gene family. In this study we use the model cell line CADO-ES1 (owning the EWSR1-ERG fusion gene) to characterize the tumor biology of ES stem cell like subpopulation of cancer driver cells versus the main population of tumor forming cells. We aim to compare these two subtypes to identify specific characteristics beyond the fusion gene concept which does not form a sufficient model to explain Ewing sarcoma biology. We also aim to compare these results to the properties of mesenchymal stem cells and fibroblast cells to gain a better understanding of the interplay of the ES constituting cell subpopulations and possible therapeutic interventions.

Please tick:

(according to [scientific subject areas](#), defined by the German Research Foundation)

- Life Sciences
- Natural Sciences
- Engineering Sciences
- Social Sciences and Humanities

**6. Deadline<sup>2</sup> for considering interests by post-doctoral applicants:**

Throughout during the call period.

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<sup>2</sup> Please consider that the preparation of a Marie Skłodowska-Curie proposal requires some time. Fellow and supervisor have to agree on a project and training opportunities for the fellow.