

“Expression of Interest” for hosting Marie Skłodowska-Curie Postdoctoral Fellowships in Germany

Institutions interested in hosting postdoctoral fellows within the Marie Skłodowska-Curie Postdoctoral Fellowships programme should use this template. Host institutions should be located in Germany.

1. Valid for the following MSCA-PF Call¹:

Please tick:

X 2021

X 2022

2. Interested host institution:

Freie Universität Berlin

Name of EU liaison officer (EU-Referent/in), if applicable:

3. Institute/Department:

Institute for Biology
Human biology

Website (Hyperlink): <http://www.nowick-lab.info>

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

Prof. Dr. Katja Nowick
katja.nowick@fu-berlin.de

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

Rough outline of idea/position:

We are interested in molecular and functional changes during human evolution with a special emphasis on changes in the nervous system. We perform experimental as well as computational work, and the candidate could pick a project of her/his interest. In the wetlab we are using induced pluripotent stem cells from different primates to investigate transcription factor genes that have recently changed during human evolution. Combining CRISPR/Cas9 technology with RNA-Seq and ChIP-Seq we aim to identify human specific target genes of such transcription factors. On the computational side we analyze Next Generation Sequencing data from different primates and human individuals

¹ MSCA Postdoctoral Fellowships are selected on the basis of annual calls for proposals. Forthcoming and open calls for proposals can be found on the [Funding & tender opportunities Portal](#) of the European Commission.

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with cognitive disorders. Here the focus is on differences in gene regulatory factors (e.g. transcription factors, histone modifying enzymes, non-coding RNAs) and their networks to test whether there is a causal link between evolutionary changes and vulnerability to cognitive disorders.

Please tick:

Life Sciences

Natural Sciences

Engineering Sciences

Social Sciences and Humanities