

Marie Skłodowska-Curie PostDoc 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. Hosts should be located in Germany.

1. Valid for the following Calls:

<input type="checkbox"/> 2017
<input type="checkbox"/> 2018
<input checked="" type="checkbox"/> 2019
<input checked="" type="checkbox"/> 2020

2. Interested institution (legal person):

Chemnitz University of Technology

3. Institute/Department:

Institute of Human Movement Science and Health, Exercise and Sports Psychology General scope of research in the department focus on motor control and learning as well as cognitive functioning with special focus on elderly populations.

4. Position, scientific requirements, topic, discipline*:

General Scope of the Project The theoretical understanding on how human movement is controlled has developed hugely in recent years. Novel technical and computational advances have enabled researchers to looking at neurophysiologic and behavioural data related to motor control in much more detail and new means of analysis have been developed to finding answers to the fundamental questions in the field. The structure of (good and bad) variability found on different systemic levels during the execution of movement particularly came in the focus lately. The general scope of the proposed project is, to transfer new insights, means of analysis and basic research concepts to understanding motor difficulties in elderly populations (with focus on upper extremity kinematics and/or fine motor skills),
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in order to advance the understanding and finding new forms of therapies for treatment of motor difficulties therein.

Potential Candidates

Candidates with a completed (or near to completion) Doctoral Degree in areas related to Human Movement Sciences are welcome to approach the host institution. Potential candidates should have a strong interest and good knowledge of the theoretical concepts of Motor Control and Learning and should further be experienced in behavioural (e.g. Kinetics and Kinematics). Advanced computational skills using higher level scientific programming languages (e.g. R or Python) and experience in neurophysiological techniques (e.g. EEG, EMG, fNIRS, fMRI) are considered a strong asset.

*Please tick:

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

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

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

Julian Rudisch, PhD
julian.rudisch@hsw.tu-chemnitz.de

6. Deadline¹ for considering interests by post-doctoral applicants:

At the very latest two months prior to the deadline of the respective call.

¹ 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.