

## 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 Call<sup>1</sup>:

Please tick:

2023

2024

### 2. Interested host institution:

Otto-von-Guericke-University Magdeburg  
Name of EU liaison officer (EU-Referent/in), if applicable:

### 3. Institute/Department:

Institute for Mathematical  
Optimisation, Faculty of Mathematics  
Website (Hyperlink):  
<https://www.ovgu.de/Sager-path-2,9459,14965,15778,15781.html>

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

Prof. Sebastian Sager  
[sager@ovgu.de](mailto:sager@ovgu.de)

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

Rough outline of idea/position:

The group's main focus is on the application driven development of optimization methods, the close connection to machine learning, and an efficient implementation on computers. Main technologies and fields of expertise comprise nonlinear and integer optimization, as well as optimal control. A specialization is in numerical algorithms for mixed-integer optimization with differential equations and in optimization in connection with data (scientific machine learning, inverse problems, uncertainty quantification). Most of our mathematical models arise from applications in clinical decision support, energy, and mobility. Possible PostDoctoral projects cover one or several of these aspects.

Please tick:

Life Sciences

Natural Sciences

Engineering Sciences

---

<sup>1</sup> 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.

## Template - Marie Skłodowska-Curie Postdoctoral Fellowships in Germany

Social Sciences and Humanities