

## 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>:

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

#### 2. Interested host institution:

Technische Universität Dresden

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

Mr. Bertram Skibinski [Bertram.Skibinski1@tu-dresden.de](mailto:Bertram.Skibinski1@tu-dresden.de)

#### 3. Institute/Department:

Group 3D Mesoscopic Systems  
Institute of Semiconductors and Microsystems  
Faculty of Electrical and Computer Engineering

Website (Hyperlink): [https://tu-dresden.de/ing/elektrotechnik/ihm/ms/die-professur/inhaber-in?set\\_language=en](https://tu-dresden.de/ing/elektrotechnik/ihm/ms/die-professur/inhaber-in?set_language=en)

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

Dr. Robert Kirchner  
[robert.kirchner@tu-dresden.de](mailto:robert.kirchner@tu-dresden.de)

---

<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:

Future applications have an increasing demand for high-resolution 3D structures. State-of-the-art lithography methods such as laser, electron or ion beam direct writing are capable of the required feature fidelity but they are inherently slow, cannot produce full 3D structures and are limited to 2.5D surface topographies. Some techniques such as 2-photon-lithography are capable of full 3D patterns but lack the required speed, fidelity and material diversity. As an alternative, the group 3D Mesoscopic Systems tries to establish origami methods for pattern fabrication down to the sub-micrometer regime. We are looking for highly motivated and dynamic PostDocs with an own research interest in this field.

Please tick:

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

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

14<sup>th</sup> of July of the respective year

---

<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.