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**: 

<table>
<thead>
<tr>
<th>Year</th>
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<tr>
<td>X 2017</td>
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<td>X 2018</td>
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2. **Interested host institution:**

University of Cologne

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

3. **Institute/Department:**

Nano-optics group/Department of Chemistry

Website (Hyperlink): http://www.nano-optics.uni-koeln.de/

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

Professor Klas Lindfors, klas.lindfors@uni-koeln.de

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1 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](https://ec.europa.eu) of the European Commission under “Funding Opportunities” and “Calls/H2020”.
5. **Project idea/position (scientific requirements, topic, discipline):**

Rough outline of idea/position:

Post-doc Position in the field of nano-optics. The group studies the interaction of single nano-objects with optical fields. We are particularly interested in hybrid structures combining plasmon resonant metal nanostructures and light emitters such as semiconductor quantum dots. We combine wet-chemical methods and top-down nanofabrication techniques to fabricate nanostructures, which are studied using a range of microscopy and spectroscopy techniques.

The proposed project concerns enhancing the interaction between distant quantum emitters using optical antennas.

Please tick:

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

- [ ] Life Sciences
- [x] Natural Sciences
- [ ] Engineering Sciences
- [ ] Social Sciences and Humanities

6. **Deadline** for considering interests by post-doctoral applicants:

6 weeks before the call closes

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2 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.