

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 Calls¹:

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

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

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](#) 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

Natural Sciences

Engineering Sciences

Social Sciences and Humanities

6. Deadline² for considering interests by post-doctoral applicants:

6 weeks before the call closes

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.