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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</thead>
<tbody>
<tr>
<td>2019</td>
</tr>
<tr>
<td>2018</td>
</tr>
<tr>
<td>2020</td>
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</tbody>
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2. **Interested host institution**:

Technische Universität Berlin (TU Berlin)

Name of EU liaison officer (EU-Referent/in), if applicable: Sabine Hutfilter, email: sabine.hutfilter@tu-berlin.de

3. **Institute/Department**:

AG: Laser molecular spectroscopy and environmental physics
Institute of Optics and Atomic Physics

Website: [http://www.ioap.tu-berlin.de/menue/arbeitsgruppen/ag_dopfer/ag_dopfer/](http://www.ioap.tu-berlin.de/menue/arbeitsgruppen/ag_dopfer/ag_dopfer/)

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

Prof. Dr. Otto Dopfer, dopfer@physik.tu-berlin.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/programmes/h2020/en) of the European Commission under “Funding Opportunities” and “Calls/H2020”.
5. Project idea/position (scientific requirements, topic, discipline):

Rough outline of idea/position:

The Dopfer group utilizes state-of-the-art spectroscopy, mass spectrometry, and quantum chemistry to characterize the geometric, vibrational, and electronic structure and reactivity of molecules, radicals, ions, clusters, and nanoparticles with relevance in a broad range of interdisciplinary fields, including:
- biophysics (molecular recognition, protein hydration, neurotransmitter, chirality)
- intermolecular forces & microsolvation & dynamics
- organic chemistry (reaction mechanisms)
- planetary atmospheres (ions and clusters, condensation)
- plasma processes & combustion (carbocations, silane plasmas)
- astrochemistry (Si- & C-containing ions, diffuse interstellar bands)
- metal-organic and enzyme catalysis
- materials science (C- & Si-nanostructures, metal-organic hybrids)

Please tick:

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

6. Deadline\(^2\) for considering interests by post-doctoral applicants:

By the end of June each (call) year

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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.