

## 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>:

	x 2019
x 2018	x 2020

#### 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](mailto: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](mailto:dopfer@physik.tu-berlin.de)

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<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:

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
- Natural Sciences
- Engineering Sciences
- Social Sciences and Humanities

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

By the end of June each (call) year

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<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.