

Marie Skłodowska-Curie PostDoc Positions in Germany

“Expression of Interest” for hosting Fellows

This template should be used by institutions interested in hosting postdoctoral fellows within the Marie Skłodowska-Curie Individual Fellowship programme. Host institutions should be located in Germany.

1. Valid for the following MSCA-IF Calls¹:

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

2. Interested host institution:

Leibniz Institut für Ostseeforschung Warnemünde, IOW
Seestraße 15, 18119 Rostock
Germany

Name of EU liaison officer (EU-Referent/in), if applicable: **Dr. Regine Labrenz,**
Scientific Management

3. Institute/Department:

Leibniz Institut für Ostseeforschung Warnemünde
Marine Chemistry
Seestraße 15, 18119 Rostock
Germany

Website (Hyperlink): <https://www.io-warnemuende.de/>
<https://www.io-warnemuende.de/marine-chemistry.html>

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

Prof. Dr. Joanna J. Waniek
Marine Chemistry

Leibniz Institut für Ostseeforschung Warnemünde
Seestraße 15, 18119 Rostock
Germany

https://www.io-warnemuende.de/che-ag-bio-physical_interactions.html

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:

Of interest are e.g. (1) physical processes which influence the production, modification and sedimentation of particles in the water column of the world ocean (preferably North Atlantic subtropical gyre, South China Sea, Baltic Sea), especially of anthropogenic particles like microplastic, black carbon or natural like e.g. iberulites, Saharan dust. (2) Sedimentation rates, sinking velocity and seasonality are of interest as well, or (3) changes in properties of the microplastics due to mechanical stress, UV radiation salinity etc. Studies related to oceanic fronts, especially to Azores Front within the North Atlantic are also of major interest and could be related to one/or both of the following question How does the AzF/ AC contribute to Global Circulation & Climate and regional environmental conditions over SW Europe? How do the physical processes associated with the AzF/ AC determine nutrient supply to the planktonic ecosystem?

Instrumentation like SEM, NanoSims, GCMS, MS/MS HPLC etc are on side, excess to ship time etc. can be arranged. State of the art instrumentation for observation in physical oceanography is available as well.

The successful candidate will be a part of the WG of Prof. J. Waniek (<https://www.io-warnemuende.de/che-ag-bio-physical-interactions.html>), female mentoring programme and diverse professional training opportunities are also available on demand.

Please tick:

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

6. Deadline² for considering interests by postdoctoral applicants:

none

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.