

## 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:

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

#### 2. Interested host institution:

University Medical Center of the Johannes Gutenberg-University Mainz

<http://www.unimedizin-mainz.de/home.html?L=1>

#### 3. Institute/Department:

Institute of Pathobiochemistry, Behl research group

Research at the Institute of Pathobiochemistry aims at understanding the molecular mechanisms underlying aging and neurodegeneration with the ultimate goal to identify new targets for prevention and therapy of neurodegenerative disorders. Employing various experimental systems the Behl group concentrates mainly on selective macroautophagy as a key process for cellular proteostasis. We were the first to describe BAG3-mediated selective macroautophagy, a pathway that is upregulated upon acute proteotoxic stress and during aging and is capable of dealing with aggregation-prone disease proteins (Gamerdinger et al., EMBO J 2009; Gamerdinger et al., EMBO Rep 2011; Behl, Trends Pharmacol Sci 2016). Recently, RAB3GAP1/2 and RAB18 were identified as novel factors of autophagy being import for its initiation (Spang et al., Autophagy 2014; Feldmann et al., Biochem Biophys Res Commun 2017). Currently, we are analyzing these proteins and pathways in greater detail and keep on identifying new factors affecting cellular proteostasis.

We offer working by state-of-the-art techniques of cell and molecular biology (e.g. CRISPR/Cas) including live cell imaging and electrophysiology and a stimulating scientific environment. We are part of the first Collaborative Research Centre on autophagy in Germany (SFB 1177) and a MSCA fellow could attend and benefit from the Integrated Research Training Program of the CRC.

<http://www.unimedizin-mainz.de/pathobiochemie/research/beh1-group.html?L=1>

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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”.

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

Prof. Dr. Christian Behl (cbehl@uni-mainz.de)

**5. Project idea/position (scientific requirements, topic, discipline):**

Rough outline of idea/position:

Project in line with our research to be discussed with a PhD who has a strong background in molecular/cell biology and is highly motivated and enthusiastic to join the fast-moving and internationally highly competitive field of autophagy research.

Please tick:

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

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

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

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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.