

Hosting offer for Marie Skłodowska-Curie Postdoctoral Fellowships (PF) 2022 at University of Bremen/Research group Synthetic Biology

[MSCA Postdoctoral Fellowships](#) are individual research grants offering excellent postdoctoral researchers the chance to develop their skills by means of international mobility. Through the implementation of an original and personalised research project, MSCA Postdoctoral Fellowships aim to foster excellence through training and mobility and to equip researchers with new skills and competences in order to identify solutions to current and future challenges.

The Research group **Synthetic Biology** at the University of Bremen invites motivated postdoctoral researchers to jointly prepare an application for the [Marie Skłodowska-Curie Postdoctoral Fellowships](#) call ([MSCA-PF-2022](#)) with them as host organisation.

Description of Hosting organisation/group

The Maseck Lab wants to understand how neuronal activity and neuromodulators create complex behaviours, such as emotions and social behavior and how they depend on different brain states. We combine optogenetics, electrophysiology, calcium imaging and fiberphotometry in behaving mice with new machine learning methods to unravel the function of neuronal circuitries in behavior. We are especially interested in the neurotransmitter serotonin and its role in health and disease. In addition, we aim to develop new tools for optogenetics and for the investigation of neuromodulators in action. We do this by state-of-the-art molecular biology methods in combination with screening approaches *in vitro* and *in vivo*. Our lab offers a vibrant environment and we will support you to develop your own career path.

<https://www.uni-bremen.de/synbio>

Topics/expertise

We welcome postdoctoral candidates who are interested in System Neuroscience and want to uncover the mysteries of the brain with state-of-the-art methods, such as *in vivo* electrophysiology, fiberphotometry, *in vivo* calcium imaging and optogenetics. Experiences in in model-based data analysis and interpretation is desirable but not required.

Your profile

- Expected qualifications/expertise of the candidate:
PhD in Neuroscience, PhD in Biology, PhD in Data Sciences
- You must have a completed PhD at the time of the call deadline (14 September 2022).
- Candidates must have a maximum of 8 years full-time research experience from the PhD award date until September 14, 2022. Periods of inactivity in research (e.g. unemployment, periods of employment outside research, parental or sick leave) do not count towards the time of research experience.

- For European fellowships, candidates can be of any nationality and must not have resided or carried out their main activity (work, studies, etc.) in Germany for more than 12 months in the 36 months immediately before September 14, 2022.
- Highly motivated candidate with an excellent research track record appropriate to career stage, as evidenced by academic publications and other scientific output.

What we offer

- Support and guidance for the preparation of your MSCA PF proposal, backed by the expertise of the Funding Advisory Service at the University of Bremen
- A stimulating, interdisciplinary environment for high-level research.

How to apply?

Indicate your interest by contacting the host institution as follows:

Please contact masseck@uni-bremen.de by email with a short CV and motivation to indicate your interest to prepare a MSCA-PF application with a supervisor /host group/...

After the supervisor agrees to support you as a MSCA-PF candidate, you can start preparation of MSCA PF project proposal and will be supported further by the Funding Advisory Service of the host university.

For more information please contact the MSCA coordinator of the host institution: eu@vw.uni-bremen.de