



Walther
Meißner
Institut



Munich
Quantum
Valley

Technische
Universität
München



The Walther-Meißner-Institut (WMI, www.wmi.badw.de) of the Bavarian Academy of Sciences and Humanities (BAdW) is located at the Research Campus Garching near Munich in Germany, and invites applications for a

PhD position on antiferromagnetic magnonics (m/f/d)

The position is offered in the Hybrid Quantum Systems group of the WMI and is funded through the ERC CoG “Pseudospin-based antiferromagnetic magnonics”. You will experimentally work on the implementation of antiferromagnetic magnonics to realize devices for spin-based or neuromorphic computing, as well as on-chip frequency comb generation. Your work is embedded in the excellent research environment formed by the WMI, the Technical University of Munich, the Excellence Cluster MCQST, the Munich Quantum Valley (MQV), and the companies and research institutions that comprise the research campus in Garching. The position is currently open, with an anticipated duration of 3 years. Salary is within the 75% TV-L E13 pay grade.

You aim to contribute to an active research environment and advance the field of antiferromagnetic magnonics with your PhD. Within your thesis, you will investigate magnon spin transport in magnetic insulators to realize efficient and novel means to inject, manipulate, and detect magnon spin transport. You will work with state-of-the-art nanofabrication systems and conduct measurements in superconducting magnet cryostats. You hold a Master's degree in physics or a similar field of study with a solid background in physics of solid state systems and magnetism.

Application documents should include your CV (including a list of publications), relevant transcripts and grade reports, and a brief cover letter explaining your motivation. Please send them as a single PDF file to applications@wmi.badw.de and include the code '2026-MA-01' in the subject line. Applications are accepted until the position is filled.

We are committed to fostering an inclusive culture that celebrates and values the diverse perspectives of all team members, embracing the full spectrum of gender identities and cultures. Disabled candidates with equal qualifications and aptitude will be given preferential consideration, as per SGB IX. Upon submitting your application, you are providing personal information. We collect and process personal data from your application in accordance with Article 13 of the General Data Protection Regulation (GDPR). By submitting your application, you confirm that you have acknowledged the above data protection information of the BAdW (see <https://badw.de/data/footer-navigation/datenschutz.html>).

