## Freie Universität Berlin - Fachbereich Physics - Institute for experimental physics

In the ERC-funded project CASTLe (https://www.castle.unifi.it) we aim at a fundamental understanding of chirality-induced spin selectivity (CISS) and investigate potential applications in quantum technology. The team consists of four PIs at Universita degli Studi di Firenze, Northwestern University, Universita degli Studi di Parma and Freie Universität Berlin together with partners at Weizmann Institute of Science and Universita degli Studi di Torino, and the Consorzio interuniversitario nazionale per la Sciencia e Technologia dei Material. The specific contribution of the Berlin group concerns electron paramagnetic resonance spectroscopy (EPR) and electrically detected magnetic resonance (EDMR) to probe spin selectivity in photoinduced electron transfer (PET) processes. The post doctoral fellow will have experience in EPR and actively develop EPR/EMDR as well on the instrumentation as the analysis side towards detection of CISS after PET in molecular donor-bridge-acceptor systems with chiral bridges. The researcher will also be associated with the new Cluster of Excellence Center for Chiral Electronics (CCE, https://www.chiralelectronics.de).

# Research assistant (postdoc) (m/f/d)

full-time job limited to 31.12.2028 salary grade (Entgeltgruppe) 13 TV-L FU reference code: CASTLe 2026/1

City: Berlin; Starting date (earliest): At the earliest possible; Duration: befristet bis 31.12.2028; Remuneration: Entgeltgruppe 13 TV-L FU; Reference number: CASTLe 2026/1; Closing date: 09/02/26

### Working field

### Job description:

Participation in the ERC Synergy Grant project CASTLe in the research line Detection of intramolecular CISS.

### Requirements

### Requirements:

University degree (Master or equivalent) in Physics or (Physical) Chemistry and doctoral degree.

### Desirable:

Strong knowledge in the application of EPR spectroscopy and at preferentially two of the areas instrument development, laser-induced paramagnetic species, EDMR.

**Application**

Applications should be sent by e-mail, together with significant documents, indicating the **reference code, no later than 09th February, 2026** in PDF format (preferably as *one* document) to Frau Birgit Dabisch: birgit.dabisch@fu-berlin.de or postal to

Freie Universität Berlin
Fachbereich Physik
Institut für Experimentalphysik
Birgit Dabisch
Arnimallee 14
14195 Berlin (Dahlem)

With an electronic application, you acknowledge that FU Berlin saves and processes your data. FU Berlin cannot guarantee the security of your personal data if you send your application over an unencrypted connection.

Freie Universität Berlin is an equal opportunity employer.

More information at https://stellenticket.de/201142/BUA/
Offer visible until 09/02/26