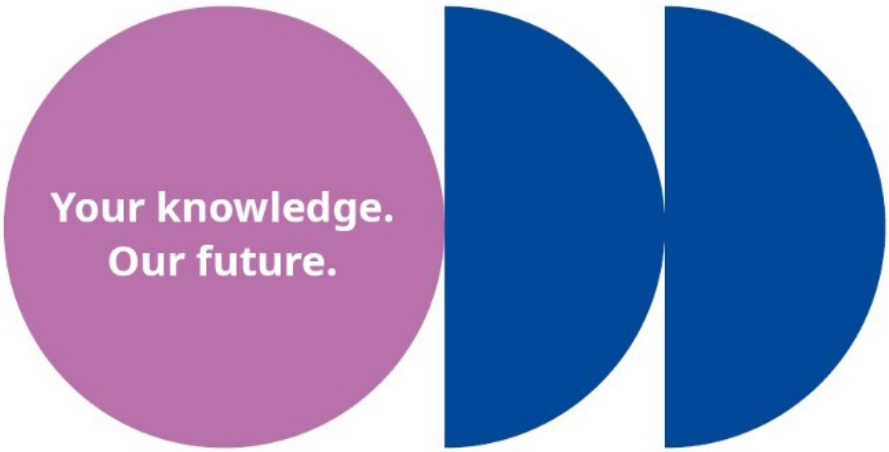

Marburg University

Entry date:	Application deadline:	Salary:	Duration:	Volume of employment:
as soon as possible	22.11.2026	E 13 TV-H	3 years	fulltime

The University of Marburg, founded in 1527, offers a variety of excellent programs of study for around 22,000 students and confronts the important topics of our time through excellent research across a broad spectrum of sciences.

The Department of Biology research group on “Developmental Genetics and Cell Biology of Animals”, Prof. Dr. Christian Helker, is currently accepting applications for a

Research Assistant (Postdoc)

The position is offered for a period of 3 years, if no former times of qualification must be considered.
The starting date is as soon as possible. The position is fulltime with salary and benefits commensurate with a public service position in the state Hesse, Germany (TV-H E 13).

Your tasks:

- design and cloning of optical biosensors to measure conformational dynamics of G protein-coupled receptors (GPCRs)
- validation of optical biosensors in living cells
- application of optical biosensors to characterize GPCRs responses to ligand and mechanical signals
- design and performance of pharmacological, cell biological assays in microtiter plates (≥ 96-well)
- analysis and visualisation of large pharmacological datasets
- Structural modeling of GPCR–ligand interactions

The position will be filled by a temporary contract that is limited to the period which is necessary to gain further scientific expertise (such as the preparation for a subsequent qualification period). Within the entrusted tasks the opportunity for independent scientific work to obtain further personal qualification is given. The limitation complies with Section 2 (1) of the German Academic Fixed-Term Contract Act (WissZeitVG).

Your qualification:

- MSc degree or equivalent and a Ph.D. in the life sciences or evidence of near completion of doctoral studies
- extensive experience in molecular biology techniques required for the cloning of new fusion proteins
- extensive experience in performing pharmacological assays in living cells in microtiter plate format (≥ 96-well)
- previous work on GPCR, G protein, GRK or arrestin related research questions
- experience in the design and validation of new biosensors used in living cells is desireable
- very good English skills

We offer:

- equal Pay according to the Hesse Collective Agreement
- ticket for free use of public transport in the state Hesse, Germany
- career development training for junior scientists including postdoctoral researchers
- A collaborative, innovative, and supportive research environment
- Professional development opportunities, including training, coaching, and mentoring

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Contact for more information
Lilli Backhaus

+49 6421-28 26510 backhaul@staff.uni-marburg.de

We support women and strongly encourage them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualifications. Applicants with children are welcome – Philipps-University is certified as a family-friendly university. Sharing a full-time position (Section 8(2), sentence 1 of the Hessian Act on Gender Equality (HGlG)) as well as a reduction of working time is possible. Applicants with a disability as described in the Social Security Code (Section 2(2) and (3) of Book IX of the Social Security Code (SGB IX)) will be preferred in case of equal qualifications.

Please apply by 22. November 2026 using the application-button below.

Gütesiegel Familienfreundliche Hochschule Land Hessen

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