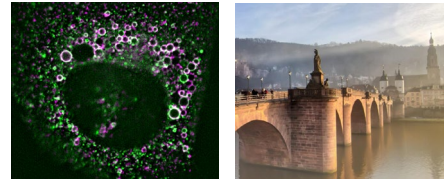


Two PhD Positions in Molecular Cell Biology

Employer: University of Heidelberg

Location: Heidelberg, Germany



Project Title:

Function of perilipin 3 in lipid droplet heterogeneity and metabolism

Project Overview:

Our lab at the [University of Heidelberg](https://www.uni-heidelberg.de) is seeking two highly motivated PhD candidates to address cutting-edge questions in organelle biology:

- **PhD1:** Investigate novel perilipin 3 interactions and their contribution to subcellular lipid droplet heterogeneity.
- **PhD2:** Elucidate the molecular mechanism of perilipin 3-mediated transcriptional regulation, and its connection to lipidomic flux and post-translational modifications.

Both projects employ state-of-the-art techniques, including proximity ligation assays, CRISPR/Cas9-mediated genome editing, metabolic labeling and RNA sequencing (RNA-seq).

Your Profile:

- Master's degree (or equivalent) in Life Sciences or a related field.
- Proficiency in English (IELTS 6.5 or equivalent).
- A passion for scientific discovery, problem-solving, and teamwork.

What We Offer:

- An opportunity to contribute to pioneering research at the forefront of organelle biology.
- A stimulating, international, and diverse research environment.
- Fully funded 4-year PhD positions (65% TV-L, based on collective wage agreements).
- Dedicated supervision and mentoring, including Thesis Advisory Committee meetings.
- Integration into the Graduate School [HBIGS](https://www.uni-heidelberg.de/graduate-school) and collaboration within the Lipid Droplet Research Unit [FOR5815](https://www.uni-heidelberg.de/lipid-droplet-research-unit).
- Professional and personal development opportunities through workshops, seminars, and networking events.
- The University of Heidelberg is a leading institution in research and education, located in one of Europe's most vibrant scientific communities.

Application details:

Please send your application via [email](mailto:pln3@uni-heidelberg.de) using "PLIN3 PhD" in the subject line. Combine all required documents into a single PDF: Cover letter, CV, certificates and contact information of two academic referees (maximum: 10 MB).

Informal inquiries are welcome and can be directed to [Joachim Füllekrug](mailto:joachim.fuellekrug@uni-heidelberg.de).

Deadline: 15 February 2025. Applications will be reviewed on a rolling basis, and the positions are available immediately.