

## Open Position: Pre-Doctoral Researcher (30 h/week)

The **Research Group *Senescence in Tissue Regeneration***, led by **Dr. Mikolaj Ogrodnik**, is seeking to hire a Pre-doctoral Researcher to study tissue damage response, with a particular focus on cell fate determination upon skin injury *in situ*. Based on our recent discovery that p-rpS6-zone predicts range of damage responses (Ring, Dworak et al., 2023 *Dev Cell*), we are now aiming to establish how the heterogeneity of cellular phenotypes—such as proliferation, senescence, and differentiation—upon damage is established, what mechanisms determine this heterogeneity, and how we can modulate it for improved tissue repair and regeneration as well as to counteract tissue pathologies.

More information about the group's research profile can be found here:

<https://www.ncbi.nlm.nih.gov/myncbi/collections/64357035/>

The research group is part of the Ludwig Boltzmann Institute for Traumatology ([LBI Trauma](#)), the Research Center in Cooperation with AUVA.

### Main tasks:

- Planning and performing of experiments *in situ* (histology, biochemistry of tissues) and *in vivo* preclinical models;
- Data analysis;
- Writing a dissertation (a choice from several universities in Vienna) and publications;
- Presentation of research results and participation in the activities of the lab;

### Your Profile

- A completed master's degree in a cell biology related field;
- An interest in damage responses of tissues in relation to biology of processes such as aging, wound healing, cellular senescence, cell plasticity or others;
- Basic experience in experimental biology;
- Good oral and written communication skills in English;
- Experience with one or more of the following methods is an advantage: microscopy, histology and physiology of pre-clinical models, bioinformatics;

### Terms of employment

We offer a 3-year contract, including a one-month probation period, starting January 1<sup>st</sup>, 2025 or as soon as possible. The offered gross monthly salary is EUR 2.719,47 € (30h/week, 14x per year). Five weeks of paid vacation time are included. The successful candidate will be eligible for career development support from the LBG's inhouse career service (Career Center).

### Application

Applications must be submitted by e-mail to Dr. Mikolaj Ogrodnik at [mikolaj.ogrodnik@lbg.ac.at](mailto:mikolaj.ogrodnik@lbg.ac.at) and must include a letter of motivation, as well as an academic CV. In addition, name and contact details of 1-2 references must be submitted.

**The application deadline is September 13, 2024, 08:00 CET.**

We look forward to receiving your application and getting to know you personally!