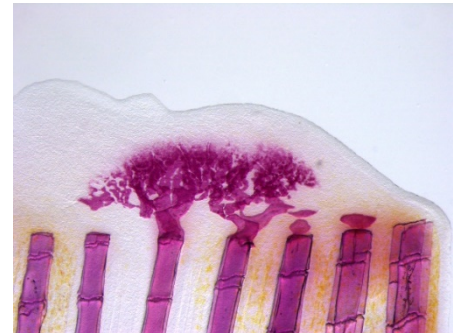


The **Weidinger lab** at the Institute of Biochemistry and Molecular Biology of Ulm University invites applications for a

**PhD student (TV-L 13/65%, m/f)**

to study molecular mechanisms of osteoblast plasticity during zebrafish fin regeneration.

The ability to regenerate lost body parts is one of the most fascinating phenomena in biology. In contrast to mammals and humans, some other vertebrates can completely regenerate their limbs/fins after amputation. Our lab is interested in unraveling the underlying cellular and molecular mechanisms. We have found that bone regenerates via de-differentiation of osteoblasts. Cellular de-differentiation is a rare process *in vivo*, and little is known about its molecular regulation. We have performed an *in vivo* small molecular screen to identify regulators of osteoblast de-differentiation, and are now looking for a PhD student to study candidates derived from this screen.



We are looking for an enthusiastic, highly motivated scientist (m/f) who is dedicated to performing basic research. The position is initially available for three years; an extension might be possible.

**We expect:**

- Training in molecular biology, cellular biology, developmental biology or related fields.
- Enthusiasm for regenerative biology.
- Excellent communication skills in spoken and written English.
- Previous research experience with zebrafish, bone, and/or animal models of regeneration is preferred.

**We offer:**

- The opportunity to work in an international, dynamic and motivated team.
- State-of-the art resources, including a 900 tank zebrafish facility.
- The possibility to join the international graduate school of Ulm University, iGradU.
- Payment and benefits according to the collective agreement TV-L 13.

Further information about our lab can be found at [www.uni-ulm.de/weidinger](http://www.uni-ulm.de/weidinger).

Applications including a CV, a short statement of your research experience and interests (max. 2 pages), and contact data for 2-3 references should be emailed to Prof. Dr. **Gilbert Weidinger**, [gilbert.weidinger@uni-ulm.de](mailto:gilbert.weidinger@uni-ulm.de).



UNIVERSITÄTSKLINIKUM ULM | Institut APV | 89081 Ulm

**Institut für Anästhesiologische  
Pathophysiologie und  
Verfahrensentwicklung**

**Announcement:**

**PhD positions - Institute of Anesthesiological Pathophysiology and Process Development**

**Ärztlicher Direktor**

Prof. Dr. med. Dr. h.c.  
Peter Radermacher  
Helmholtzstr. 8/1  
89081 Ulm  
peter.radermacher@uni-ulm.de

**Sekretariat**

peter.radermacher@uni-ulm.de  
T: 0731 500-60161  
F: 0731 500-60162

Two 4-year PhD positions are available at the Institute of Anesthesiological Pathophysiology and Process Development (APV), University Hospital Ulm. The positions will be integrated into ongoing research projects, funded by the Collaborative Research Center 1149. The first project analyzes the energy metabolism of peripheral immune cells during trauma. The aim is to characterize changes within the energy metabolism of circulating immune cells during traumatic brain injury and hemorrhage. The long-term goal is to possibly use characteristic changes as prognostic biomarkers in a clinical setting. The second project investigates hydrogen sulfide-induced modulation of the trauma response during traumatic hemorrhagic shock.

clair.hartmann@uni-ulm.de  
T: 0731 500-60232

13. Dezember 2018

**Qualification/Requirements:**

The successful applicant must hold a Master degree in biochemistry, biology, or molecular medicine. Pharmacists and veterinarians will also be considered. Candidates with experience in cell culture, flow cytometry and/or gas chromatography-mass spectrometry will be preferred.

**Application:**

- CV with documentation of education
- List of publications
- Letter of recommendation

Applications should be sent electronically to Dr. C. Hartmann and Prof. Dr. P. Radermacher

[clair.hartmann@uni-ulm.de](mailto:clair.hartmann@uni-ulm.de)

[peter.radermacher@uni-ulm.de](mailto:peter.radermacher@uni-ulm.de)

**Further information:**

The position is available starting from January 2019

Prof. Dr. med. Peter Radermacher

Dr. med. Clair Hartmann