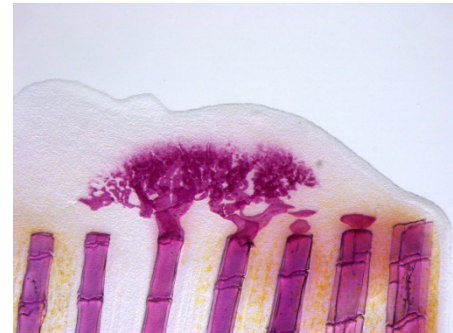


The **Weidinger lab** at the Institute of Biochemistry and Molecular Biology of Ulm University invites applications for a

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.

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.

Employment takes place through the administration department of the University Medical Center Ulm, which acts in the name and on behalf of the federal state of Baden-Württemberg. Handicapped people with equal qualifications will be employed preferentially. Ulm University strives for an increased proportion of women in research and teaching and therefore strongly encourages female qualified scientists to apply for the position. In general, full-time positions are divisible. A subsequent employment is possible.