

## PhD position available

The Aquatic Ecology and Toxicology Group at the Center for Organismal Studies, Faculty of Biosciences at the University of Heidelberg, invites applications for a PhD position on

### **Biotransformation capacities in early developmental stages of zebrafish**

The PhD thesis will be funded within the scope of an R&D project funded by the Ministry for Science and Arts of the State of Baden-Wuerttemberg. The project will start as soon as possible after April 2016 and is limited to a duration of 3 years. The salary will follow the guidelines of the German Science Foundation (DFG; E13 TV-L 50 %).

The thesis will focus on the identification of the biotransformation capacities of early developmental stages of the zebrafish (*Danio rerio*) in order to provide the basis for an ecotoxicological characterization of xenobiotic metabolism in the embryos of zebrafish (and possibly other small laboratory fish species). The spectrum of methods will cover not only classical embryo toxicity testing based on the fish embryo test (as approved as OECD test guideline 236 in 2013), but also standard molecular biological and advanced optical techniques (e.g. confocal laser scanning microscopy). The purpose of the study is to further define the domain of applicability of the fish embryo test (OECD TG 236). As far as possible, all experiments will be carried with non-protected developmental stages according to current EU animal welfare regulations (i.e. no “animal experimentation”).

Applicants for the PhD position should hold a Master or Diploma (or an equivalent) degree with a strong background in general and developmental biology, (eco)toxicology, cell biology or a related discipline. Experience with *in vivo* experimentation, general molecular biological and advanced microscopical techniques as well as statistical analysis is welcome. The applicants should have distinctive skills in communication and collaboration as well as excellent skills in English and (preferably) German. We are looking for talented and creative doctoral students with a strong passion for science and research. For more information on the project and the requirements please contact Prof. Dr. Thomas Braunbeck (email below).

Applications together with a detailed CV and other common documentation and references should be directed in electronic form as a single PDF file until May 1, 2016, to [braunbeck@uni-hd.de](mailto:braunbeck@uni-hd.de) (Prof. Dr. Thomas Braunbeck, Aquatic Ecology and Toxicology Group, Center for Organismal Studies, Im Neuenheimer Feld 504, 69120 Heidelberg).

The University of Heidelberg aims to increase the quota of female employees in areas where women have been underrepresented so far. Applications by qualified women are therefore particularly welcome. In case of equal qualification, disabled persons will be preferred.