



At the **Institute for Environmental Sciences**, University of Koblenz-Landau, **Campus Landau**, a three-year position for a

**PhD position (0,65 EGr. 13 TV-L)  
in the field of „Conservation Genetics“**

is available. The position is part of the DFG funded project “Amphibians in the agricultural landscape” which will evaluate the impact of agriculture on the population dynamics of different amphibian species. The project will start 01.11.15.

**Key aspects:**

The successful candidate will use a landscape genetics approach to assess the impact of chemical landscape fragmentation in viticulture for three amphibian species (*Bufo bufo*, *Rana temporaria*, *Triturus helveticus*) with varying dispersal abilities. We will measure and compare gene flow rates and genetic diversities among breeding pond populations. We will complement our genetic data with a classical mark-recapture study to investigate the migration direction from the aquatic to the terrestrial habitat. We will conduct interviews to management practices with local wine farmers to collect realistic land use data. Finally, we will implement the genetic and land use data in a habitat modeling approach that can be used to determine the population trend and improve the protection of amphibians in agricultural landscapes.

**Employment conditions:**

We are seeking for a candidate with a very good university degree in nature or environmental sciences. The candidate should be highly motivated to conduct intensive field work as well as population genetic lab work and GIS-based modeling. Previous experience with amphibian field work, microsatellite data analyses, GIS and environmental modelling are advantageous. Very good English skills in speech and writing are mandatory.

It is the policy of the University Koblenz-Landau to increase the percentage of female employees. If equally qualified, preference will be given to female applicants in fields where they are underrepresented. Disabled candidates are given priority, if equally qualified. International candidates are highly encouraged to apply.

Applications should include motivation letter, CV, certificates, publication list (if applicable). Please send your application, quoting the **reference number 117/2015**, to **theissinger@uni-landau.de**. Application deadline is **30.09.15**.

We do not send a confirmation of receipt. In accordance to the protection of data privacy all documents will be destroyed after the application procedure.