



The Leibniz Institute for Zoo and Wildlife Research (Leibniz IZW) in Berlin is Germany's premier wildlife research institute. The Leibniz IZW focuses on the life histories and mechanisms of evolutionary adaptations of mammals and birds, their limits and their conservation in natural and anthropogenically influenced environments. The institute operates within the fields of evolutionary ecology, evolutionary genetics, wildlife diseases, reproduction biology and reproduction management.

The Department of Ecological Dynamics offers

## 2 doctoral positions (f/m) in Ecological Modelling

with projects entitled:

**Project 1: The long-term consequences of early life environments on behaviour and fitness**

**Project 2: Effects of variation in vital rates on population and community dynamics**

The aim of both projects is to better understand how and when environmental conditions shape fitness-related traits (e.g. survival probability), and how environmentally driven variation in fitness-related traits in turn affects population and community dynamics. By investigating these questions at the level of individuals and populations/communities, using data-driven analyses, simulations and meta-analyses, we aim to advance the general understanding of how different levels of organization respond to changes in environments.

**Prerequisites** for both positions:

- Completed university degree (Master of Science or Diploma) in ecological modelling, behavioural ecology, evolutionary ecology, computational biology or bioinformatics;
- Excellent programming skills in R;
- A solid background in statistical analyses and modelling;
- Reliability, high motivation and efficiency; ability to work independently and as part of a team;
- Proficiency in English (oral and written).

**Beneficial** for both positions:

- Experience in analyzing individual based, longitudinal data sets, simulations, population modelling, individual-based modelling, meta-analyses, social network analyses;
- Programming skills in Netlogo / Python;
- A strong interest in behavioural ecology, population ecology, and evolution.

We offer state-of-the-art methodology and a stimulating research environment. For the successful candidate, organizational skills, high motivation and the willingness to work as part of a team within highly interdisciplinary projects are essential.

The position will start **June 1<sup>st</sup>, 2018** and is limited to **three years**. Working hours comprise 19,5 hours per week (50 %) with salary and benefits according to TVöD (Bund). The place of work is the Leibniz-IZW, Alfred-Kowalke-Str. 17, 10315 Berlin.

As member of the Leibniz Association, the Leibniz-IZW is an equal opportunity employer, determined to increase the proportion of women in successful scientific careers, and particularly encourages women to apply. Preference will be given to disabled applicants with the same qualifications.

Enquiries or further questions should be directed to **Dr. Sarah Benhaïem** ([benhaïem@izw-berlin.de](mailto:benhaïem@izw-berlin.de), Tel.: +49 (0)30 5168-520) for Project 1 and **Dr. Viktoriia Radchuk** ([radchuk@izw-berlin.de](mailto:radchuk@izw-berlin.de), Tel.: +49 (0)30 5168-454) for Project 2.

Applicants should submit 1) a letter of motivation in which they indicate to which project they apply, and highlight particular skills for this position, 2) a CV, 3) copies of relevant degrees, 4) a potential list of publications and 5) the names and contact details of two referees before or latest **April 15, 2018** via the IZW's online-job-market (**button "Apply online"**). Interviews will take place on the **24<sup>th</sup> of April**.

We are looking forward to your application!