



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.

**For a new interdisciplinary research initiative the IZW offers the following position:**

## **“Viral bioinformatics and evolutionary analysis”**

### **Scientist (50 %)**

#### **Project**

The research will focus on the bioinformatic analysis of large Illumina based and PacBio based viral sequencing data sets to screen for and assemble viral genomes and, to a lesser extent, microbiomes. The primary (but not exclusive) source of information will be viral data derived from environmental (water) sources as part of an ongoing research project (AquaVir) examining water-hole viral diversity. Evolutionary analysis of retrieved viruses, including phylogeny and detection of purifying or episodic diversifying selection, will be performed.

#### **Prerequisites:**

- A Master of Science/Diploma or PhD in bioinformatics or related disciplines;
- Bioinformatics background with molecular biology knowledge;
- Broad experience with working with complex high throughput sequencing data and bioinformatics databases;
- Excellent programming and scripting skills (e.g. Python, Perl R, Java, C++), data banking and data mining;
- Highly proficient with Linux systems and server administration and server backup;
- Proficiency in English (oral and written);
- Previous working experience in microorganism or genomics based bioinformatics would be an advantage.

We offer state-of-the-art methodology and a stimulating research environment in an interdisciplinary, collaborative project. The position will start **August 1<sup>st</sup>, 2017** and is limited to **two years**. Working hours comprise **19.5 hours per week (50 %)**, with salary according to TVöD (Bund). The place of work is the Leibniz IZW, Alfred-Kowalke-Str. 17, 10315 Berlin.

As a member of the Leibniz Association the 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 **Prof. Alex Greenwood, Tel.: +49 (0)30 5168 233, assist3@izw-berlin.de**.

Applicants should submit a letter explaining their interests in and particular skills for this position, a CV, copies of relevant degrees, list of publications and names and contact details of two referees **before June 30th, 2017** via IZW's online-job-market (**button “Apply online”**).

We are looking forward to your application!