

## **Open Junior Professorship in Wildlife Management (W1 with tenure-track) at the Faculty of Forest Ecology and Forest Sciences**

The Faculty of Forest Ecology and Forest Sciences of the Georg August University of Goettingen invites applications for a W1 Junior Professorship (with tenure-track to W2) in the area of Wildlife Management.

The successful candidate investigates the role and function of wild animal species as a structural part of terrestrial ecosystems. The overall goal is to contribute to the sustainable management of wildlife populations as affected by changes in habitat suitability caused by land-use changes and global climate change. Emphasis should be laid on spatio-temporal analyses of distribution patterns of wild species and associated zoonotic pathogens. In the coming decades there will be a huge demand, both in forestry and agriculture, to develop science-based, practice-oriented, long-term strategies to minimize risks related to global change. In this context, wildlife will play an important role which has to be analysed, quantified, and predicted.

### Research

Research of the Junior Professorship in Wildlife Management is expected to have a focus related to the following areas:

#### *Conservation of wild animal functions*

With increasing land-use intensity, introduction of new production systems, and altered utilization of wildlife, a major challenge will be to identify and predict site specific and quantitative feedbacks between land use and distribution patterns of wildlife and associated zoonotic pathogens in national and international contexts. This will also require the evaluation of strategies to mitigate conflicts, e.g. between wildlife and wood production or between wildlife and socioeconomic needs, for different land-use systems.

#### *Impact of Global Change on wild animal populations*

In the future, novel land-use systems will be developed that are adapted to future climatic conditions, or with the goal to contribute to climate mitigation of future climatic trends. Examples are the implementation of agro-forestry systems, fast growing tree plantations, or other forms of production system for biomass and/or bio-energy. Moreover, the introduction of neozoa and new pathogens is promoted by a globalized trade. It will be critical to understand the impact of these land-use changes and new biota on ecology and interaction of wildlife populations in natural and managed landscapes. There will be the need to employ spatially explicit methods of population density assessment such as distance sampling or radio-telemetry, and to combine these results with animal-ecological and chemo-ecological habitat characterisations. Data analysis combining GIS and spatial statistics will be a major basis for future scenarios and risk assessments.

### Teaching

Teaching in Wildlife Management during the Junior Professorship is focussed on contributions to the curriculum of Ecosystem Management at Bachelor level (<http://www.uni-goettingen.de/en/84745.html>).

In case of getting tenured, teaching obligations will extend to courses in wildlife biology and wildlife management in existing and new curricula of the Faculty of Forest Sciences (BSc and MSc, PhD curricula)

(<http://www.uni-goettingen.de/en/74283.html>). Thus, broad experience with different taxa and teaching practise in wildlife management are of advantage. Opportunities for students of related faculties to participate in studies of wildlife management are to be given.

### The Faculty of Forest Sciences and Forest Ecology

The purpose of the Faculty of Forest Sciences and Forest Ecology (<http://www.uni-goettingen.de/en/68210.html>) is to carry out basic research into the ecologically and economically sustainable use of forest resources, to apply this knowledge, and to teach it to students. This work, in addition to its scientific importance, has a high social and political value. Forests serve a large number of purposes, such as protection of water, climate, air, habitats, and wildlife; for recreation; and for production of wood and other raw materials, which are used in many types of industry. Future developments depend on finding new economic strategies for changing environmental conditions, in order to maintain stable and productive forest ecosystems and to develop new uses for wood and wood products.

The faculty is divided into two Departments – BÜSNGEN-Institut and BURCKHARDT-Institut - with currently 18 different divisions covering in research and teaching the various aspects in forestry from Silviculture and Forest Management, Bioclimatology, Forest Botany, Forest Zoology, Forest Genetics and Soil Science over Ecoinformatics, Biometrics and Forest Growth, Ecosystem Modelling, Nature Conservation and Landscape Planning, Forest Inventory and Remote Sensing, Forest Economy and Forest Politics to Wood Biology and Wood Products, Wood Technology and Wood Composites and Molecular Wood Biotechnology (<http://www.uni-goettingen.de/en/68211.html>).

The Junior Professorship will be affiliated to the division of Forest Zoology and Forest Protection, BÜSNGEN-Institut.

### Localities - The Goettingen Research Campus

The Faculty of Forest Sciences and Forest Ecology is localized at the North Campus of the Georg August University together with other Faculties in Natural Sciences, Mathematics, and Computer Science (<http://www.uni-goettingen.de/en/2925.html>) which offers ample opportunities for lively interactions in and between these scientific areas. The Goettingen Research Campus offers excellent opportunities and infrastructure for research in temperate and boreal ecosystems. This is illustrated by the existing environmental research centres in Goettingen. The successful candidate is expected to become member of the Forest Ecosystems Research Centre (<http://www.uni-goettingen.de/en/109396.html>) and of the Goettingen Centre for Biodiversity and Ecology ([http://www.biodiversitaet.gwdg.de/index\\_english.html](http://www.biodiversitaet.gwdg.de/index_english.html)) and to develop a vigorous research program that offers synergies with existing programs of the research centres.

The tenured candidate will head the Division of Wildlife Management located in the 1st floor of BÜSNGENweg 3.

### Applications

Please send your application with the relevant documentation including CV, scientific merits, teaching, publication and funding to the **Dean of the Faculty of Forest Science and Forest Ecology, BÜSNGENweg 5, Georg-August-Universität Göttingen, 37077 Göttingen**. Additionally, please provide a CD with all documents in one pdf-file.