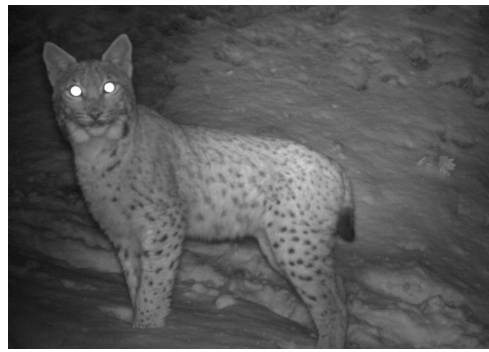




**ECOLOGY & EVOLUTION
CONSERVATION BIOLOGY**



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**UNIVERSITÄT
BERN**

The Division of Conservation Biology at the University of Bern is offering a

Postdoctoral research position: Spatio-temporal modelling of predator-prey relationships

The division of Conservation Biology investigates the mechanisms involved in the degradation of ecosystems and in the decline of threatened species with the aim to propose sound conservation guidance for stopping biodiversity erosion, restoring wildlife populations and reinstating functional ecological communities and key ecosystem services.

In one of our research programs we investigate the development of predator-prey relationships during the period of large carnivore recolonization in Switzerland. To this end, we have been systematically collecting camera-trap data since 2011, with the aim to identify the most important factors determining the spatial and temporal patterns in the recolonization dynamics of wolf and lynx, to quantify interactions with their prey communities, and to derive evidence-based recommendations for adapted wildlife management. To analyse this extensive dataset we are offering a postdoc position.

Your tasks

- Further develop the research programme, in collaboration with the project team
- Lead the synthesis analysis of the research programme and write papers for peer-reviewed outlets
- Supervise students at all levels of education, in particular BSc and MSc candidates
- Participate in teaching activities at all levels

Your profile

- Completed PhD degree in ecology, conservation biology or a related field
- Strong experience in statistical modeling and data analysis with R
- Broad biostatistical skills and experience in diverse modelling backgrounds, e.g. spatially-explicit species distribution models, occupancy models and spatially-explicit dynamic population models.
- Experience in remote sensing/GIS
- Knowledge of conservation concepts and theory as well as their translation into conservation policy
- Proficiency in English, both spoken and written
- Ability and willingness to write scientific papers, as evidenced by a good publication record in peer-reviewed journals

We offer

The position is foreseen as an 80-100% employment for two years, with possible extension. The anticipated starting date would be in December 2024 – January 2025. The University of Bern is an equal opportunities employer and places particular emphasis on fostering career opportunities for women and disabled persons. The appointed researcher will work in close collaboration with other members of the Division and external scientific partners.

Application

Application deadline: October 30th. Please send your application in electronic form as a single PDF-file including a letter of motivation, CV, two references and your study certificates to alexandra.depeyer@unibe.ch. Further information is available from Prof. Dr Raphaël Arlettaz (raphael.arlettaz@unibe.ch) or PD Dr Veronika Braunisch (veronika.braunisch@unibe.ch). Interviews will be likely held November 2024.



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