

A Post-Doctoral position is available at the Department of Biology. The position is a part of the large EU Horizon 2020 funded project AfricanBioServices which will run from September 1st 2015-2019.

### **Description**

**Job description** The Post Doc will be the core researcher in a subproject establishing a network of exclosures both inside and outside of the Serengeti and Mara protected areas. Within the exclosure network the post doc will analyse the effects of livestock and wildlife herbivory on productivity, nutrient and carbon dynamics. The set up will also be used to test the impact of climate on productivity and nutrient dynamics by transplanting vegetation turfs between regions differing in climate. The resulting data will be combined with data from other parts of the AfricanBioServices project on regional wildlife and livestock abundance, other biodiversity indicators (soil fauna, birds and amphibians) as well as the importance of grazing for important ecosystem services to the people in the region. The post doc project will hence give ample opportunities for producing new knowledge on the importance of ungulate grazing in combination with climate change for biodiversity and ecosystem function and services in savanna ecosystems.

### **Additional Job Details**

Information about the Department of Biology and AfricanBioServices The Post doc will be working within the Ecology section within the Department of Biology. The current research fields at the Department include aquaculture, ethology, evolutionary biology, environmental toxicology, plant and animal physiology, marine biology, molecular biology, natural resource management and general ecology. The Ecology section currently hosts 9 professors, 10 other post doctoral researchers, 15 Ph.D. students and 7 technical staff members. The post doc will be associated with the AfricanBioServices project <http://www.ntnu.edu/biology/african-bio-services> under the supervision of Bente Jessen Graae, Department of Biology and James D. M. Speed, NTNU University Museum and will investigate how wildlife and livestock affect vegetation and ecosystem processes in the Serengeti-Mara region in Tanzania and Kenya. The post doc will be part of WP2 in AfricanBioServices that together with 20 senior researchers and their junior researchers will be responsible for analyzing the links between land use and biodiversity and ecosystem function. The post doc will also contribute to WP3 where a smaller number of researchers focus on climate impacts in the savanna system. The Post doc position will be based at NTNU in Trondheim but will undertake fieldwork and meetings at least once per year in Serengeti/Mara. The Post Doctor position will be for 4 years, with 6 months trial period. Qualifications Applicants for the Post Doctor position must have a PhD degree in plant ecology or ecosystem research. Eligible candidates should have an up-to-date knowledge of multivariate statistical analyses. The candidate must document an ability to work independently and in collaboration with other groups, strong oral and written communication skills in English, high motivation, excellent

analytical skills and the ability to write and publish high quality scientific papers. The fieldwork requires good physical condition. Applications from PhD candidates who will graduate in spring 2015 with promising publication records will also be considered. Terms of employment The Post doc is expected to start the position September 1st 2015 The appointment of the Post Doctor will be made according to Norwegian guidelines for universities and university colleges and to the general regulations regarding university employees. NTNU has a personnel policy objective that the staff must reflect the composition of the population to the greatest possible extent. The appointment will be made according to the general regulations regarding university employees. The application The application should contain: ~ Application letter, including a statement for the motivation for the position ~ A CV, including educational background, scientific experience and other relevant work experience. ~ Certified copies of academic diplomas and transcripts ~ A list of relevant publications, including a brief description of the applicant's contribution for each paper. Unpublished work may be included as attachments. The application and all attachments should be submitted electronically through

<http://www.jobbnorge.no/en/available-jobs/job/112934/post-doctoral-position-in-ecology>

. Applications submitted elsewhere will not be considered. The reference number of the position is: NT- 30/15

**Application deadline: May 1. 2015.**

Further information can be obtained from Professor Bente Jessen Graae, Department of Biology, NTNU, Tel.

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