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**UNIVERSITÄT
BERN**

**OESCHGER CENTRE
CLIMATE CHANGE RESEARCH**

Oeschger Centre, Hochschulstrasse 4, CH-3012 Bern

Bern, December 2018

PhD in Paleoecology, University of Bern, Switzerland

A fully funded PhD position (3-4 years) is open for enthusiastic young researcher to work in the Paleolimnology research group at the Oeschger Centre for Climate Change Research www.oeschger.unibe.ch & Institute of Geography, University of Bern, Switzerland http://www.geography.unibe.ch/research/paleolimnology_group/index_eng.html.

The project will explore 15,000 years of evolution and ecosystem dynamics in Lake Victoria, East Africa, as reconstructed from sediment cores, fossils and ancient DNA. This Swiss NSF Sinergia project is a cooperation between U Bern, EAWAG (Swiss Federal Institute for Aquatic Research), the Centre for Geogenetics at U of Copenhagen, Denmark, the Tanzanian Fisheries Research Institute, U of Arizona, Massachusetts and others.

The Paleolimnology Group, University of Bern, will focus on the paleoecological analysis of the sediment cores. The **PhD in paleoecology and ¹⁴C AMS dating** will analyse pollen, spores, palynomorphs, charcoal, macrofossils; and establish high-precision ¹⁴C chronologies with the in-house ¹⁴C AMS MICADAS Facility at the University of Bern. The PhD is co-supervised by Prof. Willy Tinner (http://www.ips.unibe.ch/research/paleo/index_eng.html)

The successful candidate holds a Master (MSc) in earth sciences, paleobotany or vegetation ecology and is experienced in microfossil analysis. The candidate is motivated to work with advanced laboratory techniques (¹⁴C AMS dating) and will be trained. Experience in sedimentology and an interest in statistics is an additional asset. Strong language skills (English) are expected. The candidates will enrol in the Graduate School of Climate Sciences, University of Bern <http://www.climatestudies.unibe.ch/>.

Supervisor: Prof. Dr. Martin Grosjean, Oeschger Centre & Institute of Geography

Salary: Swiss NSF PhD Fellowship (47,000 to 50,000 CHF, 100%).

The positions are available from **March 1, 2019** (for 3-4 years) or earlier, negotiable.

Review of applications starts on January 7, 2019 and continues until the positions are filled.

Please direct inquiries to Prof. Dr. Martin Grosjean martin.grosjean@oeschger.unibe.ch.

Applications: ONE (!) pdf with CV, letter of motivation, transcript of MSc with Grades, publication list, addresses of three referees) should be sent by email to:

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