



^b
**UNIVERSITÄT
BERN**

IPS, Altenbergrain 21, CH-3013 Bern

Faculty of Sciences

Institute of Plant Sciences

Bern, September 26th, 2018

PhD position: One Health of plant-soil interactions

Background: One Health is an important framework emphasizing the connections between different biomes for the wellbeing of the entire environment. The newly established Interfaculty Research Cooperation (IRC) "One Health" (<http://www.onehealth.unibe.ch>) of the University of Bern investigates cascading and microbiome-dependent effects on multitrophic health from soil to plants to animals and to humans. Within the IRC involving the faculties of Science, Veterinary Medicine and Medicine, we will investigate how environmental perturbations affect the microbiomes and microbiome-mediated health at the interfaces between soils, plants, animals and humans. Successful candidates will work within this exciting and highly interdisciplinary project by benefiting from and connecting the expertise of different research groups that specialize in microbiomes, environmental factors, health and bioinformatics.

We look for a talented PhD student with a strong interest in **microbiomes** and in **soil and plant health**. Applicants are expected to have an educational background in *soil microbiology*, *soil biochemistry*, *microbial ecology* or *plant-microbe interactions*. Furthermore experience in one or several of the following methodologies is advantageous: *microbiome analysis*, *handling high-throughput sequencing data*, *experimental soil-plant-microbe work*, *molecular biology* or *bioinformatics*. Applicants should have a strong interdisciplinary interest coupled with good communication skills and willingness to integrate into and interact with different laboratories. We expect excellent University grades at the MSc. level. Fluent spoken and written English are prerequisites for this position.

We offer an inspiring research environment, including state-of-the art research facilities, enthusiastic scientists from different nationalities and scientific backgrounds, intensive supervision and an exciting interdisciplinary project of considerable fundamental and applied relevance. We are committed to excellent science and to fostering the careers of promising junior scientists.

How to apply: Send a single pdf including a letter of motivation, a complete CV and the names and addresses of two referees to klaus.schlaeppi@ips.unibe.ch. The position is open until filled and is available from now on.

More information: **Dr. Klaus Schlaeppi**, Institute of Plant Sciences, University of Bern (http://www.ips.unibe.ch/research/interactions/root_microbiome_group) and **Prof. Sandra Spielvogel**, Soil Science, University of Kiel (<https://www.soils.uni-kiel.de>).