The newly established Interfaculty Research Cooperation (IRC) “One Health” of the University of Bern investigates cascading and microbiome-dependent effects on multitrophic health. For the next project phase, we are looking to fill

5 PostDoc positions

**Background:** One Health is an important emerging framework that emphasizes the connection between the wellbeing of the environment, animals and humans. Within this 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 ambitious PostDocs with a strong interest in environmental, plant, animal and human health and host-microbiome interactions. Applicants should have a PhD in one or several of the following disciplines:

*Earth- and environmental sciences, aquatic sciences, soil biology, plant biology, animal biology, microbiology and/or immunology.*

Applicants should furthermore be proficient in using methods from one or several of the following fields:

*Analytical chemistry, biochemistry, molecular biology, microbiomics, metagenomics, bioinformatics.*

Applicants should have a strong interdisciplinary research interest coupled with good communication and supervision skills and willingness to integrate into and interact with different laboratories. We expect a strong track record of early-career accomplishments that demonstrate scientific excellence and innovation in the form of high quality peer-reviewed publications and methodological achievements.

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

How to apply: Send a single pdf including a letter of motivation and research interests mentioning the primary research group(s) with which you would like to be affiliated, a complete CV and the names and addresses of at least two referees to zoe.bont@ips.unibe.ch until 31. October 2017. The positions are available from February 2018. Initial interviews will be conducted via Skype. Selected applicants will be invited to a recruitment symposium in early December 2017.

Involved research groups: Biotic Interactions (Prof. Matthias Erb)*; Gastroenterology / Mucosal Immunology (Prof. Andrew Macpherson); Group of Soil Science / Trace Element Speciation and Environmental Chemistry (Dr. Moritz Bigalke / Prof. Adrien Mestrot); Paleolimnology (Prof. Martin Grosjean)*; Plant-Microbe Interactions (Dr. Klaus Schläppi); Veterinary Physiology (Prof. Rupert Bruckmaier); Intestinal Microbiology and Infection Group (Prof. Siegfried Hapfelmeier)*; Interfaculty Bioinformatics Unit (Rémy Bruggmann)*; Clinical Microbiology (Dr. Alban Ramette / Prof. Stephen Leib /)*.

*Groups accepting PostDocs within this program