



‘Feed-Gut Microbiota Interaction’  
Jun.-Prof. Dr. Jana Seifert

‘Microbiology’  
Prof. Dr. Julia Fritz-Steuber

---

The groups of Prof. Julia Fritz-Steuber (Microbiology) and Jun.-Prof. Dr. Jana Seifert (Feed-Gut Microbiota Interaction) at the University of Hohenheim (Stuttgart) are offering two positions for three years for

## 2 PhD students (m/f) in the field of microbiology

in the framework of our collaborative research project supported by the German Science Foundation (DFG) entitled “Interplay between fermentative and respiratory energy conservation in *Prevotella* sp.” (FR 1321/7-1 and SE 2059/3-1). The projects aim to deeply characterise *Prevotella* sp., which is an anaerobic bacterium living in the gastrointestinal tract of animals and humans. A focus is on the metabolic pathways of this important inhabitant of the rumen. Major tasks are the biochemical and proteomic analyses of cells living under different cultivation conditions and the purification and characterisation of specific enzymes. In addition, *in vitro* analyses will be performed to study the factors influencing the growth and activity of *Prevotella* sp. in the rumen.

We seek highly motivated creative persons with interests in biochemistry, microbiology, animal nutrition and proteomics. Candidates should have a Diploma or MSc certification in the area of microbiology, biochemistry or agricultural biology/science.

The place of work is at the University of Hohenheim, Stuttgart, Germany. Salary will be according to the appropriate civil service level EG 13 TV-L, 50%. Funding is available for 36 months, beginning in May 2017 or later. Women are explicitly encouraged to apply for increase their share in science and research. Physically handicapped persons will be favoured if they are equally qualified.

Further information can be obtained from

Julia Fritz-Steuber, email: [julia.steuber@uni-hohenheim.de](mailto:julia.steuber@uni-hohenheim.de)

<https://www.uni-hohenheim.de/en/organization/institution/cellular-microbiology>

Jana Seifert, email: [jseifert@uni-hohenheim.de](mailto:jseifert@uni-hohenheim.de),

<https://www.uni-hohenheim.de/en/organization/institution/junior-funded-professorship-feed-gut-microbiota-interaction>

Please send your complete application documents including a CV, motivation letter, copy of certificates and contact details of referee persons in **one** pdf file to [jseifert@uni-hohenheim.de](mailto:jseifert@uni-hohenheim.de).