



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

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ETH Zurich
Institute of Agricultural Sciences (IAS)
– Animal Nutrition –

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Two Positions (Doctoral Student) at ETH Zurich, Switzerland

Job Description

The group of Animal Nutrition at ETH Zurich is seeking for 2 motivated, team-oriented candidates with a strong interest in the interface of basic and applied research in agricultural and nutrition sciences. The research topics may include: (i) improve nutrition utilization efficiency and minimize environmental impacts of ruminants; (ii) understand the gut microbial composition of ruminants in response to dietary shifts; (iii) integrate precision farming technologies and implement statistical modeling and artificial intelligence to improve health, production efficiency and sustainability of farms.

Education and Experience

A master's degree in Animal Science, Agricultural Science, Nutrition Science, Food Science, Biology, Veterinary Medicine or related disciplines is a prerequisite. Affinity for animal experiments and laboratory work is essential. Experience with statistical analysis, model development and assessment are preferable. Writing of scientific papers requires good knowledge of the English language.

Offers

We offer exciting and future-oriented projects in a highly motivated research group which is equipped with excellent experimental and laboratory facilities. These are provided at the new research center AgroVet-Strickhof (www.agrovet-strickhof.ch/en) which is where the successful candidates will be located. Supervision will be close but allows independent work. Scientific writing and participation in scientific conferences is very much supported. The doctoral salary is 47,040 CHF to start with. The duration of the position is three years, and the project is intended to start between September and November 2021, if possible. The successful applicants also have the opportunity for further education during the doctorate study (12 ECTS units acquired).

Application

The selection process starts now and will be continued until the positions are filled. Applications are open until the positions are filled. Applicants should submit an application package containing the following items: (1) a complete Curriculum Vitae, (2) statement (up to 1,000 words) describing your motivation, and planned contributions to the position, (3) complete academic record and copies of bachelor and master grades and certificates, (4) names, affiliation, and contact details for 3 individuals willing to act as reference to Prof. Mutian Niu (mutian.niu@usys.ethz.ch). Feel free to ask about details.