

*On a uniquely beautiful campus, the University of Hohenheim combines the three faculties of Agricultural Sciences, Natural Sciences, and Economics and Social Sciences, in which around 9,000 students are enrolled. Our green campus with its short distances promotes cooperation and creates a lively and inspiring environment for our approximately 2,000 employees to conduct research, teach and work. We are shaping a sustainable future and developing solutions for the social challenges of our time. Here, aspiring minds find a community in which they can grow and develop.*

In the group Functional Microbiology of Livestock in Stuttgart we invite applications for a

**PhD position (m/f/d) in the field of Metabolic Labeling of Complex Microbial Communities**

Your tasks:

- Applying protein-labeling techniques such as protein-stable isotope probing (SIP) and click chemistry approaches such as bioorthogonal non-canonical amino acid tagging (BONCAT) for an enhanced identification of metabolic active microbes
- Reconstructing metabolic networks in microbial communities originating from animal samples
- Identifying cellular response of single species, or simplify MOCK communities

What we offer:

- A clear research topic as well as multi-fold training and support for PhD students in framework of the Hohenheim Center for Livestock Microbiome Research (HoLMiR) and the METAMIC 3 collaborative training network;
- Training and scientific development opportunities in a supportive environment and an excellent working atmosphere in a very dynamic and professional team;
- Excellent research infrastructure and research data management to optimally support your work
- A workplace in a vibrant region in southern Germany with a high life quality and social and cultural diversity

Your profile:

- Masters, Diploma or equivalent degree in biochemistry, analytical chemistry, (micro)biology or similar
- Experience in microbiome research and data analyses of proteomics data
- Proficiency in scientific English (written and spoken).
- Willingness to spend several months at other institutions abroad. The project envisages the following secondments: Anhalt University of Applied Science (Germany), Group Roullier (France).

Furthermore, candidates have to fully comply with the following essential eligibility criteria:

- Academic Qualification: The applicant must hold a relevant master's degree or equivalent and must have obtained the degree or equivalent by the DC start date.
- In order to be recruited to the network as a doctoral candidate, applicants must not already be in possession of a doctoral degree (i.e. a Ph.D. degree).
- Conditions of international mobility of researchers: researchers must not have resided or carried out their main activity (work, studies, etc.) in the country of their recruiting organization for more than 12 months in the 3 years immediately prior to their recruitment.

The position is to be filled within the Marie Skłodowska-Curie Doctoral network **METAMIC 3 - Metaproteome-based leveraged microbiome management in the context of One Health**. METAMIC 3 is funded by the European Commission under the Horizon Europe framework programme (Grant Agreement number 101225682).

The METAMIC 3 project will embed Doctoral Candidates in a unique training environment to advance microbiome science through metaproteomics. The program addresses One Health challenges by integrating research on microbial mechanisms, microbiome dynamics in various ecosystems, and translational applications in clinical and

biotech fields. Doctoral candidates will benefit from expertise across molecular biology, bioinformatics, clinical research, and environmental science, supported by collaborations among academia, industry, and public sector partners.

As an equal opportunity employer, we welcome applicants from all sections of the community regardless of gender, ethnicity, disability, sexual orientation, and transgender status.

Successful candidates will be employed on a 36-months contract. The employee's gross salary will be approximately 3.900 € per month (without family allowance) or 4.450 € per month (with family allowance), depending on the year of employment and the choice of health insurance.

The anticipated start date for the position is April 1, 2026.

Closing date for application is September 28, 2025. Complete applications cover an extended curriculum vitae with full publication list, a cover letter, copies of your diplomas, a research statement that clearly describes your research profile and interests in the position as well as your expertise and methodological competencies, names and contact information of 2 references, if available. Applications should be submitted quoting the METAMIC-UHOH in the subject header to [funmicanimal@uni-hohenheim.de](mailto:funmicanimal@uni-hohenheim.de).

Informal inquiries are welcome and can be submitted to Prof. Jana Seifert ([jseifert@uni-hohenheim.de](mailto:jseifert@uni-hohenheim.de)).

For further information on the institute please see: <https://www.livestock-functional-microbiology.uni-hohenheim.de/en/english>