

The Leibniz Institute for Agricultural Engineering and Bioeconomy is a pioneer and a driver of bioeconomy research. We create the scientific foundation to transform agricultural, food, industrial and energy systems into a comprehensive bio-based circular economy. We develop and integrate techniques, processes and management strategies, effectively converging technologies to intelligently crosslink highly diverse bioeconomic production systems and to control them in a knowledge-based, adaptive and largely automated manner. We conduct research in dialogue with society - knowledge-motivated and application-inspired.

In our programme area “**Individualized livestock production**” from 01.03.2025 on we are seeking for a

Working group leader (m/w/d) (100%)
in the research area „Infections and antimicrobial resistances in livestock husbandry“

Antimicrobial resistance (AMR) is one of the ten greatest threats to global health and is the cause of millions of deaths every year, with an upward trend. Taking particular account of the One Health concept, the consideration of complex relationships and interconnections between humans, animals and the environment plays a central role. When considering AMR, livestock production is a particular focus, as $\frac{3}{4}$ of all antibiotics are administered to animals. Therefore, a high level of antibiotic residues and antimicrobial resistant microorganisms are found in livestock in particular. The working group “Infections and AMR in livestock husbandry” investigates the prevalence, transmission and reduction measures of infections, zoonoses and AMR within livestock (cattle, pig & poultry) and their environment. In order to interrupt infection chains and the spread of AMR, it is necessary to identify sources of risk and to know and characterize transmission routes more precisely. Based on the knowledge gained, effective and practicable prevention and mitigation measures are defined. In the long term, these should serve to reduce the use of antibiotics in livestock farming, increase animal welfare and health and reduce the risk to humans and the environment from pathogens of animal origin.

Your responsibilities

- Independent and autonomous research in an interdisciplinary and international context in the field of infections and AMR in livestock under the One Health approach
- Expansion and management of an interdisciplinary operating research group
- Publication of scientific results in internationally renowned journals
- Presentations at national and international conferences
- Conception and coordination of own scientific projects
- Acquisition of national and international third-party funding projects
- Public relations and transfer of scientific activities
- Participation in teaching tasks and development of independent teaching
- Promotion of young scientists (supervision of bachelor, master and doctoral theses)
- Establishing and maintaining of national and international scientific cooperations
- Participation in relevant national and international committees
- Active participation in self-administration, scientific issues and strategic developments of ATB

Your qualifications

- University degree (diploma/master's degree) and doctorate in the field of biology, veterinary medicine, agricultural sciences or comparable
- advanced knowledge and successful scientific activity in the fields of micro- and molecular biology with a focus on AMR detection and identification
- Practical experiences in working with livestock and in their environment
- In-depth expertise in aerosol analysis and measurement technology

- In-depth knowledge of methods in the areas: microbiology (cultivation, pathogen diagnostics, conservation, etc.), molecular biology (sequencing techniques, PCR, electrophoresis, etc.) and aerosol measurements (particle sizes and masses)
- Excellent publication record
- proven success in attracting third-party funding
- Experience in leading project teams and in project management
- Experience in supervision
- advanced German and English skills (business fluent)
- Aim-oriented and independent work ability, personal commitment, reliability, flexibility, high sense of responsibility, ability to work in a team and willingness to cooperate are required
- EU driving license class B and willingness for business travelling

We offer

- An excellent infrastructure with state-of-the-art technology
- Working in an interdisciplinary and international team in an attractive working environment
- An exciting position in a highly relevant research field
- Very good qualification opportunities
- Access to national and international networks for your scientific development
- Family-friendly working conditions that foster the compatibility of work and family life
- Company-owned electric bicycles and cars for business trips
- Participation on the VBB company ticket or Deutschland-Ticket
- An easy to reach work place (bike, public transport) on the edge of a park-like landscape

The position is to be filled full-time or close to full-time (75%-100%) and in compliance with personal and labor law requirements, initially for a fixed term of five years. An evaluation of the work performance will take place at the end of the fourth year. On this basis, a decision will be made on the possibility of permanent employment. Upon recruitment, you will be appointed head of the working group, which will be extended for five years following a successful evaluation. Remuneration will depend on your qualifications and professional experience up to pay grade 14 TV-L.

For further information, please contact **Prof. Dr. Thomas Amon** (Tel.: +49 331-5699 510, E-Mail: tamon@atb-potsdam.de) and visit our website www.atb-potsdam.de.

If you would like to contribute your expertise to our interdisciplinary research, we look forward to receiving your application documents consisting of a cover letter, CV, study certificates, track record and a concept for the medium-term development of your working group and its integration into the work of the ATB and the Leibniz Innovation Farm for Sustainable Bioeconomy. You are welcome to provide contact details of at least one recommender.

Please apply by the following deadline 12.01.2025 using ATB's online application form for the job advertisement, code 2024-5-7, at <https://www.atb-potsdam.de/en/career/vacancies>. Applications received after the application deadline cannot be considered.

Equality of opportunity is part of our personnel policy. Disabled applicants with adequate qualification will be preferentially considered.

By submitting an application, you agree that your job application documents will be stored for a period of six months, even in the case of an unsuccessful application. Further information on the processing, storage and protection of your personal data can be found at: <https://www.atb-potsdam.de/de/special/datenschutzerklaerung-fuer-den-bewerbungsprozess>.

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