



A vacancy to be filled as soon as possible is available in the [Division of Microbiology](#) for a

## PostDoc (veterinary medicine, life sciences) -AMR Mouse Models- (m/f/d)

### About the Paul-Ehrlich-Institut

We are a senior federal authority responsible for vaccines and biomedicines that performs scientific research in the field of life sciences. Our institute networks with national and international players which makes it a competent partner for the general public, science, medicine, politics, and economics.

### About the project

You will join the Innovative Medicines Initiative (IMI)-funded [COMBINE](#) project within the [Antimicrobial Resistance \(AMR\) Accelerator](#). In collaboration with European universities, research institutes and industrial partners from EFPIA and SMEs, you will work towards improvement and harmonization of preclinical models used in AMR research. Moreover, you will work closely with project partners within PEI and the Consortium to help to deliver improved tools for translation of non-clinical data to clinical success, which will help to accelerate the development of novel antibiotics and vaccines against AMR pathogens.

### Your responsibilities

- Review the literature, regulatory guidelines and data, collected or generated by the consortium, on the preclinical development of therapeutic and prophylactic medicines for AMR infections
- Develop harmonized, standardized and quality controlled preclinical models in the context of the regulatory framework
- Design, perform and analyze *in vitro* and *in vivo* (murine infection) models to determine antibacterial activity/efficacy
- Develop consensus protocols and a repository of pre-qualified bacterial strains and anti-infective compounds with the aim of generating a quality control tool-kit for preclinical murine infection models
- Leverage your excellent skills in animal models, microbiology and immunology to contribute to the consortium's mission, complementary projects (<http://tipat.eu/>) and the overall research theme of the Division of Microbiology
- Disseminate research by publication of reviews, papers or talks and posters at conferences

## **Our requirements**

### Essential

- State examination, Master's or equivalent degree in veterinary medicine or a life sciences subject
- Doctorate (PhD, Dr. med. vet. or equivalent)
- Subject matter expertise and technical laboratory skills in immunology, microbiology, animal physiology and molecular biology
- Extensive hands-on experience with *in vivo* rodent models
- Strong English communication, presentation and scientific writing skills (German language skills are a plus)
- Interest to work in a multi-faceted consortium at the interface of experimental microbiology/immunology and regulatory science

### Desirable

- Experience with mouse infection models, including pulmonary-, UTI- and thigh-infection models with Gram-negative (ESKAPE) pathogens
- FELASA Function A (FELASA B), PIL, or equivalent accredited animal experimentation course certificate
- Experience in the generation, interpretation and statistical analysis of *in vitro* and *in vivo* preclinical efficacy and PK/PD data for anti-infectives (antibiotics, antibodies, phages and vaccines)
- Knowledge of regulatory guidelines governing anti-infectives development
- Demonstrated ability to innovate and drive technological advancement in the lab
- Experience in writing manuscripts and study reports
- At least one first-author paper in a peer-reviewed journal

Please note that at the time of entering into an employment contract, a Declaration of Interest must be made with the EMA as well as a declaration pursuant to Section 77a AMG (German Medicines Act).

## **Our offer**

A stable, multifaceted, and challenging position centrally located in the Rhine-Main area (Frankfurt) with good public transport connections (motorways/highways, airport, and fast commuter train). Being an employer in the German public service, we offer the usual social benefits such as annual payment supplement, employer's pension scheme, and special contributions to a particular statutory savings scheme (*Vermögenswirksame Leistungen*).

The successful candidate will be employed on a 2-year fixed-term contract with the possibility of extension to approximately 5 years, if the intermediate evaluation is positive. Part-time working is possible in principle. The payband is E 14 TVöD (Tarifvertrag für den öffentlichen Dienst, Collective Bargaining Agreement for the Public Service), Part III No. 12 of Annex 1 of TVEntgO Bund (Tarifvertrag über die Entgeltordnung des Bundes, Collective Bargaining Agreement for the Pay System of the Federal German Public Service). The assignment to a payband is made based on the consideration of your individual professional experience. Disabled candidates will be given preference if their skills and qualifications are equivalent to those of non-disabled candidates. The Paul-Ehrlich-Institut encourages gender equality and life-work balance, especially in respect to the family. For this purpose, we have various employment models to offer including flexible working hours (different forms of part-time work, flexible working from home, teleworking, no core time), child care facilities, and various opportunities for further professional training.

Please send your application containing your job related education, experience and skills to our job application portal via [www.pei.de/job-opportunities](http://www.pei.de/job-opportunities) by **18.10.2020** indicating **JobID 520**.

For questions, please contact Mrs. Peters (karriere@pei.de, phone +49 (0) 6103 77 1143) indicating **JobID 520**.

We are looking forward to your job application.

Please note that the German Federal Ministry of Health will in some cases (if required) be authorised to inspect your application documents (Section 6 (1), No. C, General Data Protection Regulation (GDPR) in connection with Section 2 (1) Gemeinsame Geschäftsordnung der Bundesministerien (joint rules of procedure of the federal ministries), and Article 65 of the German Constitution (Grundgesetz, Fundamental Law) to ensure a staff selection which fulfils its purpose and is in the interest of all parties involved. Your data will be erased immediately after the application procedure has been completed.

The German version of this text shall prevail.



Das Paul-Ehrlich-Institut ist ein Bundesinstitut im  
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Gesundheit /  
The Paul-Ehrlich-Institut is an Agency of the  
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