



Project Manager for the Humanized Mouse Core Cologne (w/m/d)

Laboratory of Experimental Immunology, Institute of Virology

- At the next possible date
- Full-time; Limited to 2 years, with a view to extension
- Your salary will be based on TV-L

Your future with us

As a modern maximum-care hospital with a capacity of approximately 1,540 beds, the University Hospital of Cologne is dedicated to the practice of innovative academic medical excellence. At the Faculty of Medicine 1.800 scientists are engaged in research, ranging from basic sciences to clinical application, as well as teaching and health care. Together with the University Hospital Cologne the faculty maintains 58 clinics, research institutes and centres. 3.400 students study in this dynamic and innovative environment. The Faculty of Medicine and the University Hospital Cologne are embedded in the scientifically highly active Rhine region. They have strong contacts to and alliances with the surrounding universities and non-university research institutions guaranteeing scientific excellence in research and teaching.

Your tasks

- Managing the scientific projects in a biosafety level S1 and S3** mouse facility
- Project management of *in vivo* experiments performed by the research groups of the Institute of Virology and with collaborators
- Participation in the preparation and submission of regulatory documents and controlling and implementation of animal welfare regulations
- Writing of the animal welfare application and correspondence with the state authorities and the animal welfare officers
- Development of standard operating procedures (SOPs)
- Quality assurance and development of process quality measures
- Supervision of mouse breedings and maintaining the mouse colony, generation of animal models, performing experiments, obtaining *in vivo* samples (e.g., bleeding), documentation, and data management
- Import and export of animals
- Correspondence with the animal facility management, the animal care takers and collaborative partners
- Isolation of stem and immune cells from native tissues
- Laboratory procedures (e.g., FACS analysis, qPCR, ELISA, cell culture, tissue sampling from mice)
- Working with human and animal infectious samples (BSL-2, BSL-3**, and BSL-3)
- Participation in the preparation and submission of manuscripts

Your profile

- Completed scientific education, preferably in the fields of medicine, natural sciences, or veterinary medicine, or comparable qualification
- Preferably several years of theoretical and practical knowledge in laboratory animal science
- Professional project management experience and skills in performing animal experiments would be beneficial
- Scientific experience in planning and implementation of animal experiments comparable to a post-doc level of experience
- Ability to organize, prioritize, and solve problems
- Ability to supervise a team of co-workers to successfully execute projects
- Structured, solution-oriented and determined
- Communicative and cooperative in working with interdisciplinary research teams (doctoral students, post-docs, technical assistants, animal caretakers, physicians, collaborators)
- English proficiency
- Experience with immunological methods (e.g., FACS, qPCR, ELISA)
- Experience in handling of laboratory animals (FELASA-B certificate or higher is essential)

Our offer

- A committed and competent research group with an interdisciplinary team of scientists, physicians, technical assistants, project managers, and study coordinators
- Diverse, challenging, and relevant work in a highly interesting, dynamic, and high-quality research environment
- International collaborations
- Personal development within the group and through further training

Your future in detail

We are a very committed translational research group dedicated to the fundamentals of the human immune response to infectious agents. We are particularly focused on the identification and evaluation of antibodies targeting viruses, including HIV-1 and SARS-CoV-2. These antibodies and other anti-infective approaches are tested for their *in vivo* efficacy in humanized mouse models of infection. To this end, we have established a BSL-3** mouse facility that enables the *in vivo* analysis of infectious pathogens and assess the potency of antiviral strategies. You will supervise and coordinate the facility in collaboration with scientists, technical staff and animal caretakers, work under both BSL-1 and BSL-3** conditions, and design and perform *in vivo* mouse experiments. Your experimental work will range from the generation of humanized mice to challenging mice with infectious pathogens and long-term immunological analyses of therapeutic and prophylactic effects of investigational agents. Your contribution to the highly relevant collaborative findings of our group will drive the development of novel approaches for prevention and treatment of infectious diseases.

More information about our research and the team is available at <https://klein-lab.de>

Contacts

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