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Principal Scientist Viral Immunology (M/W)-213275

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End date of posting offer : June 25th 2021

Innovative medicines for people and animals have for more than 130 years been what the research-driven pharmaceutical company Boehringer Ingelheim stands for. Boehringer Ingelheim is one of the pharmaceutical industry's top 20 companies and to this day remains family-owned. Day by day, some 50,000 employees create value through innovation for the three business areas human pharmaceuticals, animal health and biopharmaceutical contract manufacturing. In 2016, Boehringer Ingelheim achieved net sales of around 15.9 billion euros. With more than three billion euros, R&D expenditure corresponds to 19.6 per cent of net sales.

Boehringer Ingelheim is an equal opportunity employer who takes pride in maintaining a diverse and inclusive workplace. We embrace all aspects of diversity and inclusion which benefit our employees, patients and communities. We look forward to receiving your online application!

Boehringer Ingelheim is reinforcing its Global Innovation team and is looking for a Principal Scientist Viral Immunology at the Lyon site.

To explore vaccine development strategies and conduct proof of concept studies against viral disease of companion animals (CA).

To explore host-pathogen interaction to improve our understanding of respiratory disease complexes of companion animals as it relates to the interaction between the host, the agent (viruses, bacteria and mycoplasma capable of causing respiratory diseases) and the environmental factors.

Responsibilities:

1. Independently design and perform scientific experiments with a predefined goal including developing new methodologies, protocols and/or test procedures that contribute to core group/research goals and reflect expert knowledge. Directs and oversee experimental study design and data analysis/results of scientists and technicians working on new and innovative vaccine concepts against viral diseases of CA. Contribute to discovery activities in finding holistic vaccine development strategies against multi-factorial respiratory disease complexes, in collaboration with bacterial discovery and clinical teams.
2. Contributes to defining CA R&D team goals and collaborates with scientists within and outside functional area in achieving them; Assumes departmental responsibility for projects OR has ability to participate as representative on multiple project teams and contribute to defining CA viral vaccine research strategy and drive its implementation to support POC studies.
3. Prepares clear technical reports, publications and oral presentations. Independently communicate results in the form of reports and/ or presentations; Deliver updates to senior level management in context of overall project goals.
4. Demonstrates an expertise in virology and immunology. Provides guidance and expertise to advance specific projects or evaluate and propose new technologies and concepts in support of multiple projects.
5. Develops broad knowledge in field of expertise, including the ability to interpret current literature relevant to R&D projects, and visibility outside of functional area.
6. Assumes responsibility for direct reports as needed including recruiting, managing, mentoring and developing scientific staff.
7. Complies with all applicable regulations; Ensures that work performed in area of responsibility is conducted in a safe and compliant manner; Maintains proper records in accordance with SOPs and policies.
8. Contributes to departmental administration; Demonstrates fiscal responsibility with respect to cost of experiments, technology, external collaborations, and travel.

For facilities, projects and processes under your responsibility:

- Ensure laboratory facility and equipments are well maintained.
- Stay current with policies and SOPs regarding safe operations in the laboratory. Ensure laboratory scientists and technicians are well trained and up-to-date with respect to safety and handling of infectious agents.
- Ensure compliance with all relevant corporate, national and local authority regulations.

The Companion Animals viral vaccine research group will be generating projects to support an evolving future market. Prior to reaching said market, the projects generated will provide future work for virologists, biologists, clinicians, and other researchers and staff within Boehringer Ingelheim Animal Health. This role builds and maintains a broad internal and external network of stakeholders and KOLs that are vital to new project and technology identification. Understanding respiratory disease complexes, which occur in both companion and production animals, requires approaches that are not constrained by pathogen- or host-centered views of microbial pathogenesis. The principal scientist has to work with other virologists, bacteriologists and mycoplasmologists in integrating the widely diverse aspects of the host-pathogen interactions under one umbrella in a collaborative way. Such a concerted effort will have a better chance of being successful in finding a holistic vaccine development strategy for most of the pathogens involved.

Requirements:

- Ph.D./DVM Degree level with a minimum of 7 years of broad experience in a related field with proven track record of implementing or investigating technologies at a global level
- Fluent English

An in-depth knowledge of viral immunology with a proven ability to identify and implement groundbreaking vaccine development solutions.

A thorough understanding of host-pathogen interactions with expertise in translational and clinical development of vaccines against respiratory disease of animals.

Familiarity with vaccine development requirements – consistent with International Standards e.g. US: CVB and EU: Ph. Eur. requirements

A strong background in immunology and proven record of research accomplishment in viral immunology and hands-on experience in vaccine development is essential.

Extensive experiences in cell culture and immunology techniques as well as molecular biology techniques are essential.

Strong trouble-shooting skills and ability to function in multi-disciplinary teams will be a significant advantage.

Excellent abilities to create written scientific reports and protocols, and strong verbal communication skills are required.

Supervisory experience and working in project teams is required.

A proven track-record of peer-reviewed publications, patents and presentations at conferences. Ability to clearly articulate scientific and operational concepts of vaccine research across functions.

Good planning, prioritization, problem solving, and organizational skills.

You recognize yourself in the AAI Competency Model :

Accountability, Agility and Intrapreneurship ? So join us !

Boehringer Ingelheim encourages diversity engaging in the integration and support of persons with disabilities

Job - Research & Development

Primary Location - Europe-FR-Rhône-Alpes-Saint Priest

Organization - FR-Boehringer Ingelheim Animal Health France

Schedule - Full-time