**Job Title: Postdoctoral Fellow in Antibiotic Inhalation and Infectious Diseases**

**Time of the Project:** 1st March 2025 – 28th February 2026

**Location:** Pôle Biologie santé, 1 Rue Georges Bonnet, TSA 51106, 86073 Poitiers Cedex 9

**Website:** http://phar.labo.univ-poitiers.fr/

**Contact:** Dr. F. Tewes (ftewes@univ-poitiers.fr)

**Closing Date:** 15th November 2024

**Position Summary:** We are looking for a **motivated and skilled Postdoctoral Fellow** to join our research team, focusing on antibiotic inhalation therapies and infectious diseases. The successful candidate will play an essential role in evaluating new inhalable antibiotic formulations using advanced **animal models of bacterial lung infections**. This position is part of the European **JPIAMR (Joint Programming Initiative on Antimicrobial Resistance)** project **APRINHA** (<https://www.jpiamr.eu/projects/aprinha/>), a collaborative effort involving seven leading research teams across Europe.

**Key Responsibilities:**

* Conduct **dosing of** rodents using a **nose-only inhalation system** with various antibiotic formulations.
* Conduct experiments in a **Biosafety Level 2 (A2) animal facility**, utilizing **animal models of bacterial lung infection**.
* Monitor and analyze bacterial lung burden and evaluate the efficacy of antibiotic therapies using microbiological techniques.
* Collaborate with a multidisciplinary team, including a PhD student, a technician, an associate professor, and the PI of the project.
* Analyze and interpret experimental data (knowledge of PK/PD is advantageous) and contribute to the preparation of research reports and manuscripts for publication.
* Communicate results effectively in English, both in written and oral form.

**Qualifications:**

* PhD in **pharmacology, microbiology, biomedical sciences**, or related fields.
* **Experience in animal experimentation with rodents,** including handling, dosing, and monitoring. **(Essential)**
* Familiarity with **drug inhalation systems** or **drug delivery** methods, particularly related to inhalation therapy. (**Desirable**).
* Knowledge of **microbiology** techniques, particularly for determining **bacterial burden**. (desirable)
* Experience in drug formulation and delivery systems, especially in aerosol development and lung-targeted therapies. (desirable)
* Ability to work effectively as part of a collaborative, multi-disciplinary research team. (essential)
* **Proficiency in English** (spoken and written). (essential)
* Knowledge of the regulatory and ethical standards for conducting animal research. (essential)
* Strong organizational skills and ability to manage time effectively. (essential)

**Additional Information:**

* **Professional Experience:** Previous postdoctoral experience is **not required**, but relevant skills are highly valued.
* **Salary:** The appointment will be made according to the **INSERM Salary Scale**, with a monthly gross salary of approximately **€2900**.

**How to Apply*:***

Interested candidates should submit:

* A detailed CV
* A cover letter outlining relevant experience and motivation for applying
* A certificate of competence in animal experimentation (ideally based on French regulations).
* Contact information for two references

***Applications should be sent to:*** ftewes@univ-poitiers.fr

***We encourage applications from all qualified individuals, regardless of nationality, gender, or disability status.***