



PhD position in Pharmacology of Antimicrobial Agents

A PhD position in the field of Pharmacology of Antimicrobial Agents is available at Inserm Unit U1070, headed by Prof. William Couet, and affiliated to the Faculty of Medicine and Pharmacy of Poitiers, France (<http://phar.labo.univ-poitiers.fr>). It will start between October and December of this year (early 2018 at the latest) for a 3 years period and Prof. Sandrine Marchand will be the supervisor.

The research project will aim at evaluating the potential of antibiotic nebulization for the treatment of pulmonary infections due to MDR Gram(-) bacteria. The project will rely on previous/present work on the biopharmaceutical characterization of nebulized antimicrobial agents as well as on the PK/PD of combined antibiotics. Inserm U1070 is contributing to several international programs in these fields (*SimInhale, Co-Action, Combact Care*).

The candidate will be actively involved in experiments in rodents infected with various strains of bacteria, including bioluminescent strains, for PK/PD analysis. He/she will also have to conduct microbiology tests as well as analytical assay using LC-MS/MS and eventually PK/PD modeling. The ideal candidate should therefore have a relatively polyvalent background (typically pharmacy student) with pre-specialization in PK and PK/PD modeling and familiar with modeling and simulation software such as NONMEM.

Applicants should send their curriculum vitae with contact information by email to: Prof. Sandrine Marchand (Email: sandrine.marchand@univ-poitiers.fr)

Application review will begin immediately and will continue until the position is filled.