

The Cellular and Molecular Pharmacology Research group has an open position for a postdoctoral fellow (M/F) for 22 months

**Research project : “CO-ACTION”:
Developing combinations of coactive antimicrobials and non-antimicrobials**

**Transnational Project financed by the
Joint Programming Initiative on Antimicrobial Resistance**

Background and aim of the project:

The CO-ACTION project aims to develop and provide a framework for evaluating and validating the effectiveness of antibiotic and non-antibiotic combinations in the preclinical setting based on pharmacokinetic/pharmacodynamic (PK/PD) principles both for human and veterinary infections by multi-resistant pathogens. To fulfill this ambitious goal, 6 interacting partners will screen for CO-ACTION between selected drugs, select potential synergistic combinations, validate them using PK/PD experiments and modelling and finally test them in animal models.

The work performed in Belgium will be focused on the study of the activities of these combinations in models of intracellular infection, as well as of the pharmacological mechanisms of the synergistic interactions between drugs.

Profile of the candidate

- PhD degree (in microbiology, biomedical or pharmaceutical sciences, or any other relevant discipline)
- no previous stay > 12 months in Belgium during the last 3 years (mandatory)
- strong experience in microbiology and anti-infective pharmacology.

How to apply :

Send to Prof F. Van Bambeke (francoise.vanbambeke@uclouvain.be)

- a motivation letter
- a curriculum vitae (including a publication list),
- 2 recommendation letters + name and email address of 2 reference persons

Date of beginning work : As soon as possible (ongoing project)

Description of the laboratory:

The laboratory is located in the outskirts of Brussels, Belgium, with easy access by public transportation. The team counts 3 permanent researchers, 5 post-doctoral fellows, 10 PhD students, 4 technicians and 5-10 undergraduate students. Language spoken include French and English.

The activities of the laboratory and the publications of the team are available on the website (www.facm.ucl.ac.be).

Other collaborative teams in this project: J. Mouton (Erasmus University Medical Center, the Netherlands); L. Friberg and T. Tängdén (Uppsala University, Sweden); W. Couet (University of Poitiers; France); A. Bousquet-Mélou (National Veterinary School, Toulouse, France)