INSERM
UMR 1137 IAME "Infection, Antimicrobials, Modelling, Evolution"
University Paris Diderot
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Postdoctoral Researcher position

Systematic review on "What effective solutions to fight against dissemination of antibiotics, residues and resistant bacteria in the natural environment?"

Position Description

Department
INSERM UMR 1137
IAME Unit (for "Infection, Antimicrobials, Modelling, Evolution")
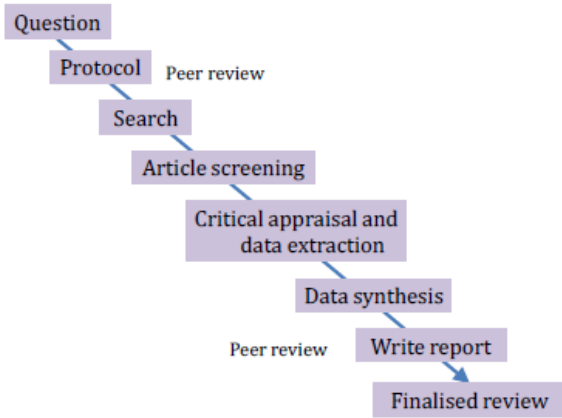This position is located at University Paris Diderot, 75018 PARIS.

Our laboratory, entitled IAME for "Infection, Antimicrobials, Modelling, Evolution", is an alliance from basic to clinical and population-based research towards medical progress in the fight against infectious diseases. It belongs to the French Institute for Medical Research (INSERM) and to the Universities Paris Diderot and Paris Nord. It depends of two departments of the French Agency of Life and Health Sciences (AVISEAN), Infectious Diseases and Public Health. Located at the Paris Diderot / Bichat Medical School campus in the north of Paris and connected to several University Hospitals in close proximity, it provides a unique opportunity to mix basic scientists and clinicians involved in infectious disease research.

This post-doc position is funded through a grant from The French Ministry of Ecology, Sustainable Development and Energy.

Job description
Research activities will include working with a national team. The candidate will be assisted by a steering committee, composed of recognized competence in the field of resistance in the environment (waters and soils,) from the CNRS, INSERM and INSRA.
The candidate will receive the support of "Fondation pour la recherche sur la biodiversité" (FRB). The FRB implements the methodology of systematic reviews in the field of environment promoted by the Collaboration for Environmental Evidence (CEE) network.

Key objectives of this work package are:

-Setting publications on the basis of already defined criteria,
-Proceed to a critical analysis of articles on the basis of already defined criteria,
-Extracting information, both qualitative and quantitative, from publications,
-Organize the information banked in spreadsheet (homogenization, grouping by themes,...) and synthesize them,
-Analyze the feasibility of a meta-analysis and, if necessary, realize it with any measure of heterogeneity. To this end, the candidate will be assisted by a statistician expert in meta-analyzes,
- Conduct the submission / revision process of the publication in the journal *Environmental Evidence Journal*,
- Write technical and operational deliverables (in french).

Qualifications:
Doctoral degree in the field of antibiotic resistance and/or pharmaceutical micropollutants in the environment.

Required skills:
-Good knowledge of the problems of antibiotic resistance, antibiotics in the environment, dissemination of resistance and associated genes
-Data analysis (tests, models...), indices of diversity
-Experience in research project management
-Bilingualism (French/English)
-Prepare manuscripts for publications in peer reviewed journals
-Good interpersonal skills are required to maintain efficient interactions with internal and external collaborators
-Experience in using reference management software (such as Zotero) and statistical software (such as R).

The following will be considered benefits for the candidate:
-Prior experience in conducting systematic reviews,
-Prior experience in conducting meta-analysis,

Status
Type of contract: Fixed-term public law contract
Duration: 1 year
Date of start: first trimester 2017

Applications should be sent to:
Pr. Antoine Andremont (antoine.andremont@aphp.fr), head of microbiological department, Bichat Hospital, 75018 Paris.

An application should include an application letter, curriculum vitae, a research paper or research summary

Please apply by December 31, 2016