

Post-Doctoral fellowship in Epidemiology Opening, Paris

QUALIFICATIONS

Education required:

Ph.D. in epidemiology or public health;

Experience :

Analysis of cohort data, ideally in the field of occupational health or mental health;

Skills:

- ▶ Good knowledge of data management and statistical analysis software (STATA, R, SAS... note that the Foundation team uses STATA) and rigor in data management and processing (in particular: handling longitudinal data and medico-administrative data);
- ▶ Strong statistical skills (implementation of mixed models and group-based trajectory modeling, exploration of difference-in-difference models);
- ▶ A sense of autonomy, initiative-taking, the ability to synthesize ideas, methodological rigor and organizational skills;
- ▶ Strong writing skills;
- ▶ Good level of written English; basic level in French;
- ▶ Good interpersonal skills and interest in teamwork.

The MGEN Foundation for Public Health (Paris) invites applications for a postdoctoral fellowship in Epidemiology (fixed-term contract). The successful candidate will study risk factors for mental health among teaching staff, using data from the French epidemiologic cohort CONSTANCES.

INSTITUTION

Located at the MGEN headquarters (Paris, Montparnasse), the [MGEN foundation for Public Health](#) is a multidisciplinary research team (epidemiology, medicine, health economics and statistics) that conducts research in the field of public health. Analyses focus on five main areas: health behaviors, occupational health, environmental health, preventive and care pathways and social protection. The Foundation's activities are reinforced by partnerships with public scientific institutions and national public health institutions and structures.

DESCRIPTION OF THE POSITION

Under the responsibility of the Foundation's Director and by delegation of the authority of the Foundation's coordinator, the selected candidate will be placed under the scientific supervision of the epidemiologist leading the Occupational Health Axis and principal investigator of the research project ESTER ("occupational health study in education and research") within the CONSTANCES cohort.

[CONSTANCES](#) is an open epidemiological laboratory launched in 2012 by Inserm UMS 011. This ambitious project longitudinally evaluates health and exposure factors of almost 220,000 adults in France, using repeated health check-ups, annual questionnaires and links with large medical-administrative databases.

Within this cohort, ESTER examines risk factors, particularly occupational factors, among education staff (among them teachers) with a view to promoting their health. It mobilizes longitudinal data from the 20,000 education and research staff (including 15,000 teachers) participating in the CONSTANCES cohort.

PROPOSED CONTRACT

Contract:

Full-time, fixed-term for 12 months, renewable for 6 months;

Salary:

Based on qualifications and experience;

Start date:

From October-December 2024 onwards;

Locality:

MGEN, Paris 15.

APPLICATION SUBMISSION

Please send:

- ▶ a cover letter (research statement),
- ▶ a detailed CV (including a list of publications and scientific presentations),
- ▶ one sample publication,
- ▶ as well as two letters of reference,

by email to: fsp@mgen.fr

The postdoctoral project will **focus on several potential risk factors for the mental health of education staff, in particular psychosocial factors at work:**

- ⇒ Using repeated measures of the CES-D scale, characterizing the trajectories of depressive symptomatology among different categories of education staff (teaching, management, service, etc.) according to gender and taking into account teaching level and age,
- ⇒ Studying longitudinal associations of teachers' mental health (CES-D, psychotropic drug use) with effort-reward imbalance (Siegrist scale),
- ⇒ Studying longitudinal associations of teachers' mental health with interpersonal tension at work,
- ⇒ Investigating the impact of specific events on the mental health trajectories of education staff, particularly terrorist attacks in schools,
- ⇒ Possible collaboration to analyze the links between "noise exposure and teachers' mental health".

For each topic, the postdoctoral fellow will write a research article (preceded by the presentation of results at a conference if convenient) and possibly an article for the general public (in collaboration with a science journalist).

The postdoctoral fellow will work with the team's statisticians and, depending on the specific topic, with researchers from the Foundation, the CONSTANCES team (Villejuif), and/or the Occupational Health and Ergonomics Epidemiology team at the University of Angers.

**Position open until filled or
31th October 2024**