We are recruiting for a

PhD position in Public Health and Epidemiology

Nancy (France)

UMR 1319 INSPIIRE (Nancy, France) is offering a PhD position in Public Health and Epidemiology. The successful candidate will study the **association between social network configuration and territorial inequalities in mental health among adolescents**.

INSTITUTION AND LAB

The INSPIIRE « Interdisciplinarité en Santé Publique, Interventions & Instruments de mesure complexes – Région Est » laboratory is a joint research unit (UMR 1319) of *Université de Lorraine* and *Inserm*. The PhD position is part of INSPIIRE lab Theme 1 (Development and evaluation of prevention programs involving complex interventions) and Axis 1 (*Sambe*: Mental health and well-being).

DESCRIPTION OF POSITION

The literature highlights territorial inequalities in adolescent mental health and in particular, between those living in rural versus urban areas. Configuration of adolescent social networks could be one mechanism underpinning these inequalities, but its role is poorly understood.

The aim of the thesis is to **explore the links between the configuration of social networks and territorial inequalities in mental health among adolescents**.

Data from EX!ST (*EXplorer les mécanismes des Inégalités Sociales liées au Tabagisme en population adolescente pour développer une stratégie préventive intégrative*) will be used. EX!ST is a longitudinal cohort of >5,000 adolescents recruited in 4th grade (age 13-14) in >50 schools in the French Grand-Est region, and followed for 3 years (follow-up is ongoing).

QUALIFICATIONS

Education required:

- ✓ Master degree in Public Health or Social sciences

Experience:

- ✓ Analysis of quantitative data (descriptive and analytical approaches)
- ✓ Knowledge in mental health

Skills:

- ✓ Strong grounding in data management and statistical analysis software (R, SAS, etc.);
- ✓ Strong grounding in biostatistics. Skills in social network analysis and/or latent class analyses, mixed models an asset;
- ✓ Writing scientific articles in English;
- ✓ Oral and/or poster communications;
- ✓ Teamwork and interpersonal skills;
- ✓ Methodological and organisational rigour

Quantitative methods will be used to analyze the data (social network analysis and/or latent class analysis and/or hierarchical ascending classifications, linear and/or logistic regression models, and moderation and/or mediation models).

The PhD student will be supervised by Prof. Nelly Agrinier, MD, PU-PH in Public Health and Director of the UMR 1319 INSPIIRE, and Florian Manneville, PhD in Public Health and Epidemiology, researcher at the UMR1319 INSPIIRE. The student will benefit from a doctoral contract, the scientific activities offered by UMR 1319 INSPIIRE, and the training offered by the doctoral program in the Biology, Health and Environment (*BioSE*) school.

The PhD student will have the following tasks:
- Literature review and creation of bibliographic databases on Zotero
- Participation in preparation and field investigations for EX!ST follow-up
- Participation in scientific events organized as part of EX!ST
- Maintaining progress reports and records of decisions concerning thesis work
- Drafting statistical analysis plans aligned with thesis objectives
- Conducting statistical analyses of data in supervised autonomy in accordance with the analysis plans and the lab' Standard Operating Procedure
- Knowledge transfer of results by writing original scientific articles and presenting oral or poster communications at scientific conferences, in supervised autonomy

PROPOSED CONTRACT

- ✓ 36-month full-time PhD contract
- ✓ Start data: From October 2024

APPLICATION SUBMISSION

- ✓ A cover letter
- ✓ A résumé
- ✓ To e-mail to : nelly.agrinier@univ-lorraine.fr and florian.manneville@univ-lorraine.fr