

## Postdoctoral Position in Epidemiology

### Job Profile

CSS

6 – Public Health

#### Offer description

We are currently seeking to recruit a post-doctoral researcher to work on a collaborative project involving two teams of the Centre for research in epidemiology and population health (CESP). The aim of the project, funded by the French National Cancer Institute (INCa), is to better quantify the attributable risk of breast cancer associated with the use of menopausal hormone therapy (MHT).

#### **Centre for research in epidemiology and population health (CESP)**

*Director Bruno Falissard*

The "Centre for research in epidemiology and population health" (CESP) is one of the most important centers for research and training in epidemiology and public health in France. The CESP was created in 2010 by the French National Institute for Health and Medical Research (Inserm). It is also affiliated with Université Paris-Saclay (UPS) and Université Versailles Saint Quentin (UVSQ). The CESP is comprised of about 600 persons, made up of scientists, statisticians, technical and administrative staff, postdoctoral and PhD students. It is presently organized into 11 research teams which have an international scientific reputation and work in the following domains of public health: chronic diseases (e.g., cancer, kidney diseases, respiratory diseases, mental health), infectious diseases (HIV, bacterial resistance), ageing, health economics, organization of the healthcare system, ethics, etc. Within the framework of UPS and its Graduate School of Public Health, the research staff of CESP leads prestigious training programs (Masters and PhD) in various public health domains (epidemiology, clinical research, biostatistics, health economics, ethics, etc.).

#### **CESP Team "High-dimensional Biostatistics for drug safety and genomics"**

*Director Pascale Tubert-Bitter*

This team aims at developing methodological research in response to scientific problems emerging in public health and biomedical sciences. It has developed expertise in the analysis of time-to-event outcomes in pharmacoepidemiology, causal inference, and attributable risk estimation.

#### **CESP Team "Exposome, Heredity, Cancer and Health"**

*Director Gianluca Severi*

This team is in charge of the E3N cohort, a French prospective study that started in 1990 when 98,995 women born between 1925 and 1950 and affiliated with the MGEN, a health insurance plan for workers in the education system and their families, responded to a mailed questionnaire. E3N is the French component of the European Prospective Investigation into Cancer and Nutrition (EPIC), a multi-centre, prospective cohort study jointly coordinated by the School of Public Health at Imperial College London, United Kingdom, and the International Agency for Research on Cancer (IARC) in Lyon, France.

#### Researcher profiles

- First-Stage Researcher (*PhD candidate*)
- Recognised Researcher (*with less than 4 years research experience after PhD*)
- Established Researcher (*with more than 4 years research experience*)
- Leading Researcher

<b>Research Fields (2 max.)</b>	<input type="checkbox"/> Biological Sciences <input type="checkbox"/> Chemistry <input type="checkbox"/> Computer Science <input type="checkbox"/> Engineering <input type="checkbox"/> Environmental Science <input type="checkbox"/> Ethics in Health Sciences	<input checked="" type="checkbox"/> Medical Sciences <input type="checkbox"/> Neurosciences <input type="checkbox"/> Pharmacological Sciences <input type="checkbox"/> Physics <input type="checkbox"/> Technology <input checked="" type="checkbox"/> Other (specify): Biostatistics
<b>Main Activities</b>	<ul style="list-style-type: none"> <li>• Literature review on the research topic (MHT use and breast cancer association) and methods for quantifying effects of time-varying exposures</li> <li>• Implementation of sophisticated analyses in the French E3N cohort, such as recency-weighted cumulative models and causal inference methods</li> <li>• Descriptive analyses of MHT use in other European populations, e.g., using data from the French healthcare database (SNDS) and UK BioBank</li> </ul>	
<b>Associated Activities</b>	<ul style="list-style-type: none"> <li>• Presentation of results during team meetings and scientific conferences</li> <li>• Presentation of results at national or international scientific conferences</li> <li>• Writing of scientific articles</li> <li>• Participation in the design of a simulation plan with respect to methodological developments to be conducted by our project partner at IARC</li> </ul>	
<b>Specific Requirements or Constraints</b>	<ul style="list-style-type: none"> <li>• Interdisciplinary work in close collaboration with scientists with expertise in epidemiology, pharmacoepidemiology, biostatistics, hormonal treatments and cancer</li> <li>• Due to data access constraints, the position is located on site in Villejuif</li> <li>• Occasional missions to IARC in Lyon may be organised</li> </ul>	
<b>Skills/Qualifications</b>	<ul style="list-style-type: none"> <li>• Good programming skills in SAS, Stata and/or R</li> <li>• Good writing skills</li> <li>• Training in survival analysis and causal methods will be highly appreciable</li> <li>• Previous experience with the SNDS or any other drug reimbursement or prescription database would be an asset</li> </ul>	
<b>Required Experience</b>	<input type="checkbox"/> 0 to 2 years <input checked="" type="checkbox"/> 2 to 4 years <input type="checkbox"/> 4 to 10 years <input type="checkbox"/> >10 years <b>Fields:</b> Epidemiology, Pharmacoepidemiology, Biostatistics	
<b>Required Education Level or Diploma</b>	<ul style="list-style-type: none"> <li>• PhD in Epidemiology, Biostatistics or Health Data Science</li> </ul>	
<b>Required Languages</b>	<ul style="list-style-type: none"> <li>• French or English</li> </ul>	
<b>Hosting Unit</b>		
<b>Code</b>	1018	
<b>Name</b>	Centre for research in epidemiology and population health (CESP)	
<b>Director</b>	Bruno Falissard	
<b>Composition</b>	The Centre for Research in Epidemiology and Population Health (CESP) brings together 600 researchers, engineers, postdoctoral and doctoral students	
<b>Address</b>	Hôpital Paul-Brousse AP-HP 16 avenue Paul Vaillant-Couturier, 94800 Villejuif, France	
<b>Website</b>	<a href="http://cesp.inserm.fr">http://cesp.inserm.fr</a>	

## Contract

Type	CDD
Duration	18 months
Salary	Based on qualifications and experience according to Inserm standards
Envisaged Start Date	October 2023

## Application

**Applicants must send a CV and a cover letter to:** Anne Thiébaud (anne.thiebaut@inserm.fr)

The application should include a list of publications and a description of previous research experience, as well as the names and addresses of two academic referees.

**Contact for further information (name, telephone/mail):** Anne Thiébaud (anne.thiebaut@inserm.fr)

**Deadline for application:** August 18, 2023