




Postdoctoral position in molecular epidemiology of cancer

 12 month CDD

 Start : From July 2025

 Villejuif (94)

 Partial remote work possible

 PhD

Inserm is the only French public research institution entirely dedicated to biological, medical, and population health research. It operates research laboratories across the country, organized into 12 regional delegations. The institute brings together 15,000 researchers, engineers, technicians, and administrative staff, all working toward a common goal: advancing health for all through improved understanding of life and disease, innovation in treatment, and public health research.

Joining Inserm means becoming part of an institute committed to gender equality, professional equity, diversity, and support for employees with disabilities—from recruitment through all stages of their careers. To promote workplace well-being, Inserm implements active policies to ensure good working conditions, including a healthy work-life balance.

Inserm was awarded the European "HR Excellence in Research" label in 2016 and is committed to continuously improving its recruitment and evaluation practices for researchers.

Emploi

Poste ouvert aux candidats

- ☐ Agents fonctionnaires de l'Inserm par voie de mobilité interne
- ☐ Agents fonctionnaires non Inserm par voie de détachement
- ☒ CDD agents contractuels

Catégorie

Corps

Emploi-Type : Chercheur-euse postdoctoral

RIFSEEP (régime indemnitaire fonctionnaire) Fonction :
Groupe :
Domaine :

Structure d'accueil

Unité/ Institut

CESP U1018
ITMO Santé Publique

A propos de la Structure d'accueil

The Center for Research in Epidemiology and Population Health (CESP) is one of the leading institutions for epidemiological research in France. It is supported by three academic institutions: Inserm, Université Paris-Saclay, and Université de Versailles Saint-Quentin-en-Yvelines (UVSQ), as well as several hospital partners in the Île-de-France region.

CESP hosts 11 research teams whose areas of interest range from fundamental biostatistics to clinical research, population-based studies, and the social sciences. Its operations are supported by two shared service units (general administration and IT platform), which ensure optimal working conditions for researchers and the development of their projects. A mutualized research support unit also offers expert advice on statistical methodology.

The position to be filled is within the team **Exposome, Heredity, Cancer and Health**, located at Paul Brousse Hospital in Villejuif (94), accessible via metro line 7 – Paul Vaillant-Couturier station.
<https://cesp.inserm.fr/fr>

Directeur	Bruno Falissard
Adresse	Hôpital Paul Brousse Bâtiment 15/16 – 16 avenue Paul Vaillant Couturier 94 Villejuif
Délégation Régionale	DR Paris 11

Description du poste

Mission principale

Team overview

The Exposome, Heredity, Cancer, and Health team at CESP (directed by Gianluca Severi and Alexis Elbaz) investigates how the exposome, that encompasses individual factors such as health-related behaviors and lifestyle, occupational and environmental exposures, and biological characteristics interact with the genetic background to influence the occurrence and progression of common diseases such as cancer, cardio-metabolic and neurodegenerative diseases. This research program is based on data from different large cohorts including the E3N-Generations cohort, the EPIC (European Prospective Investigation into Nutrition and Cancer) cohort, the UK Biobank and other case-control studies.

Main mission

We are seeking a highly motivated postdoctoral researcher to join the Exposome, Heredity, Cancer and Health team. In collaboration with the International Agency for Research on Cancer (IARC), the successful candidate will contribute to several projects aiming to understand the role of the metabolome in cancer risk, using data from large population-based cohorts.

The successful candidate will work on targeted and/or untargeted metabolomics data from large prospective cohorts such as the cohort (EPIC) and the E3N-Generations, with the aim to:

- Identify metabolic profiles linked to key lifestyle exposures (e.g. red meat, alcohol) and cancer risk (e.g., colorectal, pancreatic, thyroid, ...)
- Integrate exposure and metabolomics data to assess mediation in the relationship between lifestyle/environmental factors and cancer

To this end, the candidate will be required to perform multivariate statistical analyses as well as epidemiological models on high-dimensional data.

The selected candidate will work within a multidisciplinary research team with expertise in epidemiology, biostatistics, genetic epidemiology and bioinformatics.

Activités principales

- Conduct statistical analysis and interpret high-dimensional omics data
- Prepare scientific manuscripts, reports, and contribute to follow-up grant proposals
- Present findings at national and international scientific conference

Spécificité(s) et environnement du poste

- Office located in Paul Brousse Hospital campus in Villejuif.
- Access to major population-based cohorts (EPIC, E3N-Generations, UK Biobank), high-performance computing facilities, and active international collaborations

Connaissances

- PhD in a relevant field (e.g. biostatistics, epidemiology, bioinformatics).
- Proficiency in both written and oral scientific English
- The candidate should be able to independently conduct analyses using R

Savoir-faire	<ul style="list-style-type: none"> • Autonomy, organization, and methodological rigor • Analytical and synthesis skills, clear oral and written communication
Aptitudes	<ul style="list-style-type: none"> • Ability to work in a multidisciplinary team environment (epidemiology, genomics, informatics, etc.)
Expérience(s) souhaitée(s)	<ul style="list-style-type: none"> • Experience with metabolomics data • Experience working with large epidemiological datasets (e.g. EPIC, UK Biobank) • Interest in causal inference or integrative -omics approaches
Niveau de diplôme et formation(s)	<ul style="list-style-type: none"> • The candidate should have a PhD in a relevant field (e.g. biostatistics, epidemiology, bioinformatics).

Informations Générales

Date de prise de fonction

Durée (CDD et détachements)	12 months fixed-term contract
	Renouvelable : <input checked="" type="checkbox"/> OUI <input type="checkbox"/> NON

Temps de travail	<ul style="list-style-type: none"> • Full-time • 38,5 hours/week • Annual leave and RTT
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Activités télétravaillables	<input checked="" type="checkbox"/> OUI * <input type="checkbox"/> NON
	* 2 jours / semaine hors contexte sanitaire

Rémunération	<ul style="list-style-type: none"> • Remuneration according to INSERM salary scales
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Modalités de candidature

Date limite de candidature	30th of June 2025
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Contact	therese.truong@inserm.fr
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Contractuels	<ul style="list-style-type: none"> • Please send your CV and cover letter (in french or english) to therese.truong@inserm.fr and gianluca.severi@inserm.fr
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Pour en savoir +	<ul style="list-style-type: none"> • About Inserm : https://www.inserm.fr/ ; HR website : https://rh.inserm.fr/Pages/default.aspx • About Inserm's disability policy and workplace accommodations, contact the Disability Office: emploi.handicap@inserm.fr
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