

Post-doc (M/F) in Biomathematics or Health Economics

 **Fixed-term contract of one year, renewable**  **Start date: November 2026**  **Paris 18^{ème}**  **Partial telecommuting**  **Bac +8**

Inserm is the only French public organization entirely dedicated to biological, medical and population health research. It has research laboratories throughout France, grouped into 12 Regional Delegations. Our institute brings together 15,000 researchers, engineers, technicians and administrative staff, with a common goal: to improve the health of all through advances in knowledge about living organisms and diseases, innovation in treatments and public health research.

Joining Inserm means joining an institute committed to parity and professional equality, diversity and support for its employees with disabilities, from recruitment onwards and throughout their careers. To preserve well-being at work, Inserm pursues an active policy in terms of working conditions, based in particular on a fair balance between personal and professional life.

In 2016, Inserm was awarded the European HR Excellence in Research label and is committed to developing its recruitment and evaluation practices for researchers.

Employment

Position open to candidates

- ☐ Inserm civil servants through internal mobility
- ☐ Non-Inserm civil servants on secondment
- ☒ Contract agents on fixed-term contracts

Category	D
Corps	CR
Job type	Researcher or research engineer in data production, processing and analysis
RIFSEEP (civil servant compensation scheme)	Function : Group : Field :

Host structure

Department/Unit/Institute	Inserm - UMR 1137 - IAME (Infection, Antimicrobials, Modelling, Evolution)
About the structure	PreViST team (Pathogenesis, treatment and prevention strategies of viral infections and sexually transmitted infections).
Director	France MENTRE
Address	Faculté de Médecine Paris Diderot, 16 rue Henri Huchard, 75018 PARIS
Regional Delegation	Délégation régionale Paris Centre & Nord de l'Inserm

Job description

Main mission The candidate will be part of the EU Joint Action SHIELD (Strategies for Health Interventions to Eliminate Infection related Cancer) aimed to reduce cancers caused by infections: human papillomavirus (HPV), hepatitis B virus (HBV), hepatitis C virus (HCV) and human immunodeficiency virus (HIV). SHIELD will compare multiple intervention strategies using a disease-specific model to project the impact of the implementation level of those measures on morbidity/mortality and healthcare costs of these diseases in Europe. The post-doc/research engineer will work primarily on evaluating HCV screening and treatment strategies.

- Activities**
- Construction of a mathematical model of transmission and progression of HCV
 - Produce a bibliographic synthesis for data extraction to feed the mathematical model
 - Carry out statistical analyses to estimate the parameters of the mathematical model from databases
 - Carry out the economic evaluation and ensure its valorization
 - Monitor scientific and technological developments in his/her field of activity.
 - Supervision of Master's 2 and doctoral students on internships

Job specificity(ies) and environment

- Knowledge**
- Mathematical modeling
 - Medical economics
 - Biostatistics, data collection, analysis and processing methods
 - Programming (Python, R or C++)
 - Fluency in written and spoken English

- Know-how**
- Use a coherent set of mathematical, statistical and IT tools, adapted to the processing of data
 - Guarantee the quality and relevance of analysis tools and results
 - Transfer know-how internally and externally
 - Format and present results to project partners

- Skills**
- Conceptualization skills
 - Analytical reasoning skills
 - Autonomy
 - Multidisciplinary

- Desired experience(s)**
- Professional experience in mathematical modeling or health economics

- Level of diploma and training**
- PhD in health economics or biomathematics or biostatistics

General information

Starting date As soon as possible

Duration (fixed-term contracts and secondments) Fixed-term contract of one year, renewable
Renewable: ☒ YES ☐ NO

Working hours

- Full time
- Number of hours per week: 38:30
- Annual leave and RTT: 44 days
- Social action committee (social, cultural, sports benefits, etc.)

Teleworking activities

☒ YES * ☐ NO

*1 to 2 days

Compensation

- **Civil servants:** according to statutory conditions (salary scale and IFSE corresponding to the job)
- **Contract employees:** from €2,997 gross per month, depending on professional experience in equivalent positions.

How to apply

Application deadline

15/09/2026

Contact

Send CV, covering letter and contact details for a reference by e-mail to:

Sylvie DEUFFIC : sylvie.deuffic@inserm.fr

Anthony COUSIEN : anthony.cousien@inserm.fr

Inserm employees

- You must apply online via Inserm's Gaia application, accessible at <https://www.gaia2.inserm.fr/login>
- You can connect to Gaia using your account details prenom.nom@inserm.fr

Non-Inserm civil servants

- You must create an account on Inserm's Gaia application at <https://www.gaia2.inserm.fr/login>
- Specify your body, grade and index.

Contract workers

- Send CV and cover letter to Sylvie Deuffic / Anthony Cousien, specifying one or two referents to contact

For further information

- About Inserm: <https://www.inserm.fr/>; HR website: <https://rh.inserm.fr/Pages/default.aspx>
- To find out more about Inserm's disability policy and how to arrange workstation accommodation, contact Mission Handicap: emploi.handicap@inserm.fr