Biological engineer in data analysis (Bioinformatician)

Fixed term contract, 12 months · *Start: 01/05/26* · *Strasbourg* · *Possible partial remote working* · *MSc level or equivalent*

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 objective: to improve the health of all through the advancement of 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 the moment they are recruited and throughout their career. In order to preserve well-being at work, Inserm has an active policy on working conditions, based in particular on a fair balance between personal and professional life.

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

Emploi

Open to candidates

☐ Inserm civil servants (internal mobility)

☐ Non-Inserm civil servants

☒ Fixed-term contract

Category	A
Body	Research Engineer
Job-Type	A1A41

Host Institution

Department/Unit/Institute	Inserm UMR_S1110 Institute for Translational Medicine and Liver Disease
About the structure	The Institute for Translational Medicine and Liver Disease (ITM), based in Strasbourg, is a mixed research Unit managed by the University of Strasbourg and Inserm. The ITM is a renowned laboratory dedicated to understanding the biological mechanism of liver disease and cancer, and development of novel therapeutic strategies, from basic research to clinical applications. The institute benefits from advanced technological platforms, a rich network of clinical and international collaborators, and a great innovation potential (high-impact publications, patents, etc.).
Director	Pr. Thomas Baumert
Address	3 rue de Koeberlé, Strasbourg
Regional Delegation	EST

Description of the position	
Main mission	The recruited bioinformatician will work in the context of the ANRS-funded Delta-DECODE project, that aims to decipher interactions between hepatitis delta virus (HDV) and the liver microenvironment. This project relies on a large cohort of patient liver biopsies and leverages state of the art technologies: bulk RNA-seq, single-cell transcriptomics, and high-resolution spatial transcriptomics. The objective will be to develop and implement bioinformatics pipelines for the treatment and integration of the data, to identify molecular signatured linked to the disease progression and prognosis, and contribute to their scientific valorisation within a multidisciplinary consortium involving clinicians, biologists, biostatisticians, and national and international partners.
Main activities	- Treatment and analysis of RNA-seq data (bulk, single-cell and spatial). - Developing and adapting bioinformatics workflows (QC, alignement, clustering, differential analysis, pathway analysis). - Integration of omics data with clinical data. - Management and organisation of the data. - Collaboration with teams in Strasbourg, Henri Mondor and international partners. - Contribution to scientific publications.
Specificity and environment of the position	- Contribution to an ambitious multicenter ANRS project with national and international reach, in collaboration with Strasbourg, Henri Mondor, and academic and industrial partners. - Integration within a unique translational environment, at the interface of basic and clinical research, and bioinformatics. - Access to state of the art technological platforms (RNA-seq, single-cell, spatial transcriptomics, imaging) and the possibility to get trained in new approaches.
Knowledge	- Bioinformatics applied to genomic and transcriptomics - Statistics applied to biology. - Understanding of HPC environments and sensitive data management.
Skills	- Mastering R and/or Python, usual packages (DESeq2, edgeR, ggplot2, Seurat/Scanpy). - Script development and pipeline automation. - Good ability to visualise and present data. - Fluency in English.
Abilities	- Capable to learn and adapt. - Team spirit, interested in interdisciplinarity. - Rigorous and autonomous.
Required experience	- Must have preliminary experience in RNA-Seq analysis. - Preferably experience in single-cell or spatial omics; but possible training during the project.
Degrees and training	Master 2 or PhD in **bioinformatics, biostatistics, applied mathematics, data science**, or similar disciplines.

Informations Générales

Starting date	01/05/2026
Duration	12 mois renewable once on the project Renewable: ☒ OUI ☐ NON
Working times	• Full time • 38h30 per week • 32 holidays et 13 'ARTT' days off
Remote working	☒ Yes * ☐ No * Upon agreement with supervisor.
Salary	• **Civil servants:** based on status (grid and IFSE corresponding to the position) • **Contract-based:** from 2927.84€ up to 4295.15€ gross monthly, based on experience in equivalent positions.

Modalités de candidature

Deadline to apply	02/03/2026
Contact	antonio.saviano@chru-strasbourg.fr
Inserm civil servants	• Apply online via Gaia **https://www.gaia2.inserm.fr/login** • Log in to Gaia with your account **prenom.nom@inserm.fr**
Non-Inserm civil servants	• Create an account on Inserm's platform Gaia **https://www.gaia2.inserm.fr/login** • Specify your 'corps', 'grade' and 'indice majoré'.
Contract-based	• Send a CV and cover letter, and the contact of 2 references to antonio.saviano@chru-strasbourg.fr
More info	• About Inserm: **https://www.inserm.fr/** ; HR site: **https://rh.inserm.fr/Pages/default.aspx** • Regarding the disability policy at Inserm and specific accomodations, please contact the Disability Mission: **emploi.handicap@inserm.fr**