



Omics Bioinformatician

Location: UMR1011, Institut Pasteur de Lille, France`

Website: <https://u1011.univ-lille.fr/en/>

We are seeking a bioinformatician with expertise in multi-omics analysis, including metabolomics and spatial omics, to join our research team at UMR1011 – Institut Pasteur de Lille. Our research focuses on unraveling the metabolic and signaling pathways that drive endothelial cell dysfunction in cardiovascular diseases. To know more visit: <https://u1011.univ-lille.fr/en/>

Your Role:

- Developing and implementing pipelines for spatial transcriptomics and proteomics data (e.g., 10x Visium/Xenium, CosMx, GeoMx DSP, IMC, MIBI)
- Analyzing and integrating (spatial) data with single cell (sc/snRNA seq, ATAC seq) and bulk omics datasets
- Performing data preprocessing (QC, normalization, batch correction), clustering, trajectory inference, and spatial statistics
- Collaborating closely with wet lab scientists to analyze results, prepare figures for publications and grants

Plus assets:

- Experience with cardiovascular biology datasets.
- Skills in machine learning

Your Profile:

- MSc or PhD in Bioinformatics, Computational Biology, Systems Biology or related field
- Proven experience with analysis of spatial omics and/or single cell data
- Strong programming skills in R
- Experience in an academic or clinical research setting
- Proactive, organized, detail oriented, and collaborative mindset
- Excellent communication skills in spoken and written English; French is a plus

What We Offer:

- A dynamic and supportive scientific environment
- Access to state-of-the-art facilities
- Opportunities for professional development (conferences, workshops)
- Involvement in multidisciplinary projects with translational impact

 **Location:** Institut Pasteur de Lille, France

 **Starting Date:** As soon as possible

 **Contract:** To be defined based on profile and experience

Interested candidates should send their CV and a brief motivation letter to: anna-rita.cantelmo@univ-lille.fr

