

Postdoctoral Researcher

ERC-funded full time position in the Applied Cancer Epigenomics and Epitranscriptomics Group

Job description

The Applied Cancer Epigenomics and Epitranscriptomics Group (www.janajeschkelab.com), headed by Dr. Jana Jeschke, seeks a highly motivated postdoctoral researcher to explore new mechanisms of gene regulation in tumor heterogeneity.

Our group leverages state-of-the-art sequencing technologies to map changes in DNA and RNA modifications in human tumors. We utilize these changes to improve the stratification of cancer patients for outcome and treatment choice, to identify new targets for cancer therapy and to gain new insights into tumor biology.

You will join a dynamic, young, and international team of enthusiastic scientists to perform research for our ERC-funded EpiResist project. In this role, you will leverage the newest single-cell sequencing technologies, state-of-the-art cancer models of therapy resistance, epigenetic drugs and human specimens to study the role of the N6-methyladenosine (m6A) mRNA modification in the heterogeneity of breast cancers and their resistance to treatments. Beyond leading the efforts for the EpiResist project, you will have the opportunity to support other ongoing projects, develop your own research initiatives, contribute to grant writing efforts, and guide and mentor PhD students in their research activities.

Profile

We are seeking an enthusiastic and highly motivated scientist with a PhD degree in biomedical sciences and a strong background in cancer and preferably epigenetics/epitranscriptomics research. The position requires knowledge and experience with molecular and cellular biology techniques, particularly:

- Cell culture and in-vitro cancer models of therapy resistance
- RNA extraction, RT-qPCR, western blot, CRISPR, RNAi
- Phenotypic cancer assays (cell viability, cell proliferation with endpoint assays and/or live-cell imaging platforms (e.g. Incucyte))
- Sample preparation for single-cell RNA sequencing and preferably m6A/MeRIP sequencing

The successful candidate should further have a track record of:

- Research excellence as evidenced by publications

- Managing PhD students and technicians
- Working autonomous and in collaboration
- Excellent skills in spoken and written English
- Excellent organization, time management and interpersonal skills

Funding

The position is fully funded for 2 years. The salary will be commensurate according to experience following ULB's pay scale. The start date is flexible: earliest 1st of March 2026, but no later than June 2026.

Environment

Our group is located at Erasme Campus of the Université Libre de Bruxelles (ULB) in Brussels, Belgium. We are part of Institut Jules Bordet, which has a long-standing track record of excellence in cancer research. We offer an excellent scientific environment that is committed to advancing responsible science through collaboration and inclusion.

Application

Send your compelling cover letter along with your updated CV and three professional references by email directly to jana.jeschke@ulb.be. All required documents should be combined into a single PDF document. The subject of the email: Postdoc_First Name_Last Name. Do not include substantive information in the body of the mail. The application deadline is 15th of March 2026.