POSTDOC POSITION IN THE MACHINE LEARNING FOR INTEGRATIVE GENOMICS TEAM
DEVELOPMENT OF MACHINE LEARNING METHODS FOR SINGLE-CELL OMICS DATA

Duration: 12 months with possibility of extensions up to 4 years

Team: The Machine Learning for Integrative Genomics team (https://research.pasteur.fr/en/team/machine-learning-for-integrative-genomics/) at Institut Pasteur, headed by Laura Cantini, works at the interface of machine learning and biology, developing innovative machine learning methods for single-cell data analysis (tools developed by the team: https://github.com/cantinilab).

Project: Single-cell high-throughput sequencing, extracting huge amounts molecular data from a cell, is creating exciting opportunities for machine learning to address outstanding biological questions. The postdoc, to be recruited in the context of the ERC StG MULTI-viewCELL, will be working on the development of machine learning methods for single-cell data. The project will require interactions with collaborators of the team.

Required skills: We expect a candidate with a strong background in machine learning or statistics. The candidate must also be proficient in high-level languages like Python. Familiarity with single-cell data, and experience with existing single-cell methods and software would represent a strong advantage. Excellent communication skills and team spirit, and an ability to work in autonomy are essential. Fluent English both spoken and written is required.

Degree: PhD level in computer science, machine learning, or computational biology

Application procedure: Send CV, motivation letter, and contacts details of 2-3 references to laura[dot]cantini[at]pasteur[dot]fr