



Inserm

Institut national
de la santé et de la recherche médicale



The Computational Systems Biology of Cancer group at institut Curie is looking for a highly motivated postdoctoral researcher for statistical analysis of cancer omics data in the context of European projects (18 to 36 months position with possible extension)

Institut Curie is one of the biggest European institutions for cancer research with strong and old interdisciplinary traditions. It also comprises a hospital specialized in cancer treatment, and therefore disposes of a continuum of expertise from fundamental research to patient care. It is equipped with many platforms for high-throughput tumor profiling and has a long-standing history in computational biology.

The Computational Systems Biology of Cancer team (<http://sysbio.curie.fr>) is an interdisciplinary research group which focuses on high-dimensional data analysis and network modeling in order to understand the determinants of tumorigenesis and tumor progression, and propose new strategies to combat the disease.

We expect a candidate with a strong background in statistics, computational systems biology or physics. The successful candidate should have experience in high-throughput data analysis in biology. Ideally, the candidate should be able to demonstrate some knowledge of basic biological mechanisms involved in cancer and have experience of collaboration with biologists for solving concrete biological problems. Familiarity and experience with existing software for pathway modelling would represent a strong advantage. Programming skills are desirable.

The candidate must have a good knowledge in multidimensional data analysis in biology, and be proficient in high-level languages like R and Perl.

A strong interest in molecular biology, and in particular signalling in the context of cancer is needed. He/she will have to : understand the biological and clinical questions related to cell fate decision, tumor heterogeneity, interaction with microenvironment, drug response; define the most appropriate statistical approaches; carry out statistical analyses (NGS, proteomics at bulk and/or single-cell levels).

Excellent communication skills and team spirit, and a capacity to work in autonomy are essential. Fluent English both spoken and written is required.

The position is created for 18 to 36 months and available starting early 2016.

The applications, including motivation letter, CV of the candidate and the contacts of 3 references should be sent to bcsb80@curie.fr. Additional information can be learnt from <http://curie.fr>, <http://sysbio.curie.fr>, <http://acsn.curie.fr>, <http://www.cancer-systems-biology.net/>, <http://u900.curie.fr>.