

Postdoctoral position

Quantitative analysis of 4D genome organization and cellular plasticity

A 2-year INCa (*Institut National du Cancer*) funded postdoctoral position is available at the CBI (*Centre de Biologie Intégrative*) Toulouse, France, to study chromatin signatures in human mammary tumour cells. Our hypothesis is that phenotypic properties and gene expression programs related to cellular plasticity may be accompanied by reversible changes in nuclear organization. For this we are developing multi-scale, high resolution imaging approaches to determine spatial and dynamic information on specific genomic sites. The project is largely based on quantitative analysis of positions of multiple labelled genetic loci using high through put imaging of fixed and living cells which undergo cellular transformation. Our objectives are technological and fundamental towards characterization of the very early steps in oncogenesis and change of cellular identity.

The successful candidate should have a PhD in (bio)physics, cell or molecular biology, a strong background in acquisition and development of high through-put fluorescence microscopy of mammalian cells, and in quantitative analyses. Experience in Matlab coding would be a plus.

Personal skills: Highly motivated, ability and desire to work in a collaborative research environment, very good interpersonal skills, willingness to share knowledge and transfer skills to other members of the group, Very good written and verbal communication ability in English.

The position is available from November 2016.

To apply, please send a brief description of your research interests and career goals, CV, and contact information of three referees to

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