The Institute for Integrative Biology of the Cell is seeking new group leaders to establish independent research programs in the field of Genome Biology

Deadline for applications: January 15th, 2024

The **I2BC** (UMR 9198) is a French research institute exploring the structural and molecular bases of biological systems. As the largest research institute in molecular and cellular biology of Paris-Saclay University, the I2BC brings together more than 600 persons from world-leading research and academic institutions[1]. Its ~60 research groups address scientific questions that span from the most fundamental aspects of life to their biomedical and environmental applications.

The I2BC is actively searching for new group leaders to join its Department of Genome Biology, which aims to understand the mechanisms governing genome dynamics and stability (DNA replication, recombination and repair), and gene expression (from transcription to translation). We welcome applications from candidates eager to address any basic or applied questions related to these themes. Particular attention will be given to research programs dedicated to unraveling the role of **RNAs and their modifications** in regulating gene expression and genome organization. Proposals investigating the **organization of chromatin and chromosomes,** and its influence on genome stability and gene expression will also be considered. We encourage the development of new approaches in single-cell or spatial/*in situ* "omics", computational and systems biology (including, but not limited to, the modeling of biological processes), live-cell imaging, and multidisciplinary programs combining informatics, mathematics, physics and/or chemistry with biology.

Teams of the department work with various model organisms: model and pathogenic bacteria, unicellular eukaryotes (yeasts, fungi, protists), plants and metazoans (mouse and human cells). They benefit from the state-of-the-art technology platforms of I2BC, in particular next-generation sequencing (single-cell and short/long-read sequencing), live and super-resolution photon microscopy, cellular electron microscopy, proteomics, cytometry, a bioinformatics computing cluster, plant culture facilities and, in the near future, a Biosafety Level 3 laboratory.

The selected candidate(s) will be provided with laboratory and office space, financial support for laboratory setup, and access to I2BC technology platforms. They will have free access to a wide range of shared equipment in the department (confocal microscope, L2 cytometer, qPCR, ddPCR, and more). Early-career researchers are expected to meet the required criteria for successful application to competitive national and international funding. They will receive strong support and guidance throughout the application process to secure independent funding and a permanent position in the French research ecosystem. The I2BC and the Department of Genome Biology have a strong track record in providing such support, and currently host several ERC-Stg, ATIP/Avenir, ANR JCJC awardees. Mid-career candidates holding a permanent position in France are also welcome to apply. Questions about the recruitment process and the French funding and research ecosystem can be addressed to dirBG@i2bc.paris-saclay.fr.

Applications in English should be submitted by email to direction@i2bc.paris-saclay.fr. Each application should include a cover letter describing the applicant's motivation for joining the I2BC, a curriculum vitae, a 2-page description of research achievements, a 4-page research program and contact details for three professional referees. The first round of discussions and presentations of research projects will take place on-site in March 2024. For the second round, interviews by an international selection committee will occur in April or May 2024. The outcome of the selection process is expected to be known by late May. Starting dates are negotiable from Autumn 2024, depending on successful funding acquisition.

[1] Paris-Saclay University, French Alternative Energies and Atomic Energy Commission (CEA), French National Centre for Scientific Research (CNRS)