

SCIENTIFIC AND QUALITY POLICY

The GenomEast Platform is an active partner of the National Research Infrastructure France Genomics, a network of professionals in biology and bioinformatics specialized in genomics with **a mission of service to the scientific community**. Thanks to a significant financial contribution, the pooling of high-tech equipment and the sharing of skills and expertise, it aims to keep France at a high level of competitiveness and performance in the field of genomics at the international level. Hosted at the Institute of Genetics and Molecular and Cellular Biology (IGBMC) in Strasbourg and labeled IBISA since 2008, our Platform is open to the entire scientific community, public and private.

Bringing together both biologists and bioinformaticians, we offer a wide range of services for genome, transcriptome and epigenome analysis from the design of the experiments and the validation of the starting samples to the analysis of the final results. We are currently equipped with Illumina next-generation sequencing technology as well as 10X Genomics microfluidics technology for single-cell-scale genomic analyzes. In order to maintain an offer consistent with technological advances in the field, we dedicate an important part of our activity to **innovation and development** for a constant updating of our services. The **dissemination and promotion of our work** through publications or scientific communications contribute to consolidating the visibility of the Platform at national and international level.

Sharing knowledge and skills is another of our essential missions. In particular, we share our skills in high-throughput sequencing, transcriptomics, epigenomics, bioinformatics within our professional networks such as the France Génomique network, but also by providing numerous courses and training each year or by welcoming trainees. We thus work in partnership with the CNRS, INSERM, the IGBMC “PhD program”, and the Universities of Strasbourg, Haute Alsace and Dijon.

Our scientific policy is carried out in compliance with legal and regulatory requirements. It is based on a relationship of trust with our technology suppliers and is in perfect agreement with that of our financial partners without whom we could not carry out our projects and our work. Our platform benefits from contributions from the IGBMC, our supervisory authorities, CNRS, INSERM and the University of Strasbourg, the National Agency for Research, the GIS IBISA, the Alsace region as well as the charities “Fondation Maladies Rares” and “Ligue Nationale Contre le Cancer”.

The realization of this scientific program is supported by a dynamic quality policy that meets the requirements of ISO 9001 and NF X 50-900 standards. The scope of our Quality Management System covers all of our service and research and development activities, from the initial contact with users to the delivery of sequencing data. Our current quality commitments revolve around four main strategic axes: 1) competitiveness of our services and prices, 2) development of new skills, particularly in single cell genomics and spatial transcriptomics, 3) sharing our knowledge with our professional networks but also with other IGBMC platforms to promote transversal projects, and finally 4) recognition of our expertise by our supervisory authorities and funders.

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