

SCIENTIFIC AND QUALITY POLICY

Genomics is today a central field for all life science disciplines. The development of high throughput sequencing technologies combined with bioinformatics has indeed opened new perspectives in basic research, but also in the fields of health and biotechnologies applied to the pharmaceutical industry, food industry and even to environment.

The GenomEast Platform, hosted at the Institute of Genetics and Molecular and Cellular Biology (IGBMC) in Strasbourg, has been labeled IBSA since 2008. It 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.

With more than 15 years of experience, our platform offers the community a wide range of services for genome, transcriptome and epigenome analysis using Illumina's next-generation sequencing. In addition, the recent implementation of Fluidigm and 10X Genomics microfluidic technologies allows us to offer genomic analyses at the single cell level. Our services extend from the design of the experiments and the validation of the initial samples to the analysis of the final results. 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 use of our work** from internal or collaborative research projects 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. We participate in working groups with specialized experts covering different fields of expertise of the platform such as sequencing technology, single-cell genomics or statistical and bioinformatics analysis. We have the desire to strengthen the link between research and training, by providing courses and trainings each year or by welcoming trainees. We work in partnership with the CNRS, the IGBMC "PhD program", the Strasbourg School of Biotechnology and the Universities of Strasbourg, Haute Alsace and Dijon.

Our scientific policy is in 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 IBSA, the Alsace region as well as the charities "Fondation Maladies Rares" and "Fondation ARC pour la recherche sur 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 are articulated around three main axes: the competitiveness of our services and prices, the continuous updating of our services and skills and the personalized support of our collaborators throughout their project. Through this approach, we give particular attention to the traceability of the operations carried out on our collaborators' samples, the use of precise and detailed methods, the systematic recording of quality controls, the preservation of data and samples, and the periodic monitoring of our equipments, thus ensuring the reliability of the results we produce.

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