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The Science CRO

# Next-generation sequencing solutions

## Sample preparation

- In vivo experiments
- Cell culture and differentiation
- Single cell isolation
- Nuclei isolation
- RNA/DNA extraction

## Epigenomics

- Bisulfite-seq
- ATAC-seq
- ChIP-seq

## RNA sequencing

- mRNA and total RNA-seq
- Ultra-low input-seq
- Single cell RNA-seq
- High-throughput RNA-seq (DRUG-seq)
- Perturb-seq
- Ribo-seq, SLAM-seq

## Immune profiling

- CITE-seq
- TCR/BCR-seq

## DNA sequencing

- Whole genome and exome-seq
- Custom gene panels
- Viral genome-seq (e.g., AAV and lentivirus)
- Custom amplicon and barcode-seq

## Bioinformatics

- In-house, public and customer data
- Standard and customised solutions

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# End-to-end package

## From samples to biological insights

We help you design your next-generation sequencing (NGS) experiment to help accurately address biological questions and fully leverage the potential of your samples.

We assist you with preparation of your precious samples, including dissociation of clinical specimens or animal model organs into single cell/nuclei suspensions or nucleic acid isolation.

We generate and sequence libraries in our in-house NGS facility, according to standard or fully custom-made protocols.

We analyse your sequencing data with project goals in mind, leveraging state-of-the-art bioinformatic tools.

We present results and answer your questions. You receive a comprehensive report and the complete processed dataset.

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