



Single cells. Unlimited insights.

Answer genomic and functional questions at the cellular level.

Bigelow Laboratory helps researchers investigate individual microorganisms and viruses that are difficult or impossible to grow in the lab. Powered by the expertise and capabilities of our Single Cell Genomics Center, our end-to-end single-cell genomics service separates individual cells and viral particles from complex samples, sequences their genetic material, and provides bioinformatic analyses to reveal their unique genomic content.



WHAT WE OFFER

Our complete single-cell genomics service supports projects from sample preparation through sequencing and analysis, including:

- Targeted sorting of individual cells based on size, redox activity, or your own fluorescent probe
- Random selection and sequencing of particles using microencapsulation techniques
- High-throughput processing of up to 10,000 particles from a single sample
- Whole genome amplification, library preparation, and sequencing
- Genome assembly, organism identification, and functional information
- Custom approaches for unusual samples or research questions

Our specialized methods can recover genomic information from rare or uncultured organisms, including those found in complex or low-biomass samples.

WHY WORK WITH BIGELOW LABORATORY

Cell-level resolution

Connect genes and functions to individual cellular particles rather than a mixed community signal.

End-to-end expertise

Outsource the complete specialized workflow to one experienced team, from sample guidance through analysis-ready data.

Flexible and scalable

Target selected cells or analyze thousands of individual particles, with custom approaches available for challenging samples.

Leading experience

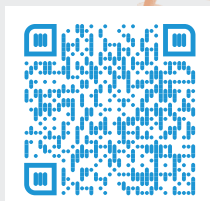
Leverage SCGC's 17 years of experience processing more than 1 million individual cells for projects at 100+ universities, research institutes, and companies across six continents.

GET STARTED

Have a sample or research question that could benefit from single-cell genomics? Let's discuss the right approach.

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