Together we can increase precision in single-cell exploration.

Share your scripts and multiplatform analyses on Script Hub.

The single-cell research approach is evolving. Rather than singling out one instrument option, researchers map and compare heterogeneity across diverse samples, laboratories and analytical technologies. Combined use of multiple independent, cross-validating single-cell profiling technologies along with supervised and unsupervised analyses and classification harmonization is driving new insights across research areas.

The Fluidigm C1™ system is among the analytical technology options for researchers. The breadth of C1 applications empowers users to survey cell diversity, identify rare cell types and characterize cellular functions, all on the same single-cell biology platform. No other single-cell prep platform supports this many diverse chemistries and applications.

Script Hub™ is your central source for C1 methods and applications. Access scripts and other applications developed by Fluidigm and the C1 community.

**Sort by Application**

**Single-Cell Genomics Script Menu**
Unravel cellular heterogeneity with genetic transcriptome analysis.

**Cell Biology Script Menu**
Delve into the functional implications of cell signaling and stimulation.

**Narrow to Sub-Application**
- mRNA sequencing
- Noncoding RNA
- Microbial sequencing
- ATAC-seq
- Methylation
- TCR sequencing
- Multiomics

---

Gene Expression | Epigenetics | Immune Profiling | Genetic Analysis | Multiomics | Cell Dosing
### Gene Expression

Explore single-cell gene expression to reveal key RNA signatures.

<table>
<thead>
<tr>
<th>Method</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMART Seq2</td>
<td>Argoud, K., Mellado, E.</td>
<td>Oxford Genomics Centre, Wellcome Trust Centre for Human Genetics</td>
</tr>
<tr>
<td>C1 CAGE</td>
<td>Kouno, T., Kato, S., Mendez, M., Abugessaisa, I., Shin, J., Piessy, C.</td>
<td>Division of Genomics Technologies, Center for Life Sciences Technologies, RIKEN</td>
</tr>
<tr>
<td>CEL Seq</td>
<td>Hashimshony, T., Yanai, I.</td>
<td>Technion–Israel Institute of Technology</td>
</tr>
<tr>
<td>Full-length mRNA Sequencing</td>
<td>Lee, S., Bostick, M., Farmer, A.</td>
<td>Clontech Laboratories, Inc., a Takara Bio Company</td>
</tr>
<tr>
<td>Single-cell mRNA Seq with Integrated Barcoding</td>
<td>Arguel, M.J., LeBrigand, K., Paquet, A., Ruiz Garcia, S., Zaragosi, L., Barbry, P., Waldmann, R.</td>
<td>UCAGenomiX core facility; Institute of Molecular and Cellular Pharmacology, National Center for Scientific Research, University of Cote d’Azur</td>
</tr>
<tr>
<td>SMARTer® total RNA-seq</td>
<td>Verboom, K. et al.</td>
<td>Center for Medical Genetics Ghent, Ghent University</td>
</tr>
<tr>
<td>Total RNA-Seq</td>
<td>Noncoding RNA</td>
<td>Single-Cell Genomics R&amp;D, Fluidigm Corporation</td>
</tr>
</tbody>
</table>

### Epigenetics

Uncover the epigenetic states of single cells, including chromatin structure and DNA methylation.

<table>
<thead>
<tr>
<th>Method</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATAC-seq</td>
<td>Buenrostro, J., Wu, B., Chang, H., Greenleaf, W.</td>
<td>Department of Genetics, Program in Epithelial Biology, and the Howard Hughes Medical Institute, Stanford University</td>
</tr>
<tr>
<td>sc-GEM</td>
<td>Cheow, L. F.</td>
<td>Microfluidics Systems Biology Lab, Institute of Molecular and Cell Biology (IMCB), A*STAR</td>
</tr>
</tbody>
</table>

### Immune Profiling

Examine TCR and BCR diversity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCR Sequence Determination by TraCeR</td>
<td>Stubbington, M., Lonnberg, T., Teichmann, S.</td>
<td>European Bioinformatics Institute—European Molecular Biology Laboratory; Wellcome Trust Sanger Institute</td>
</tr>
</tbody>
</table>
## Genetic Analysis
Discover novel DNA variants in single cells to identify unique populations.

### Mini-metagenomics
Feiqiao, B. Y.  
Quake Lab, Stanford University

## Multi-omics
Start to explore a cell in 360°.

### Biomodal Single-Cell Omics
Satpathy, A., Chang, H., et al.  
Stanford School of Medicine, Stanford University

### Concurrent Single-Cell RNA and Targeted DNA Sequencing for Genomic and Transcriptomic Signatures
Kong, S. L., Li, H., Tai, J., Courtois, E., Poh, H. M.  
Translational Research, and Cancer Therapeutics and Stratified Oncology, Genome Institute of Singapore (GIS)

### C1 HT Medium-Cell RNA Expression and Protein Sequencing (REAP-Seq)
Single-Cell Genomics R&D, Fluidigm Corporation

## Cell Dosing for Cell Biology
Expand the boundaries of single-cell analysis with new methods for cell treatment, dosing, and more.

### LPS Simulation and mRNA Seq
Broad Institute, Harvard University, MIT, Hebrew University, Fluidigm Corporation

Explore Script Hub on fluidigm.com