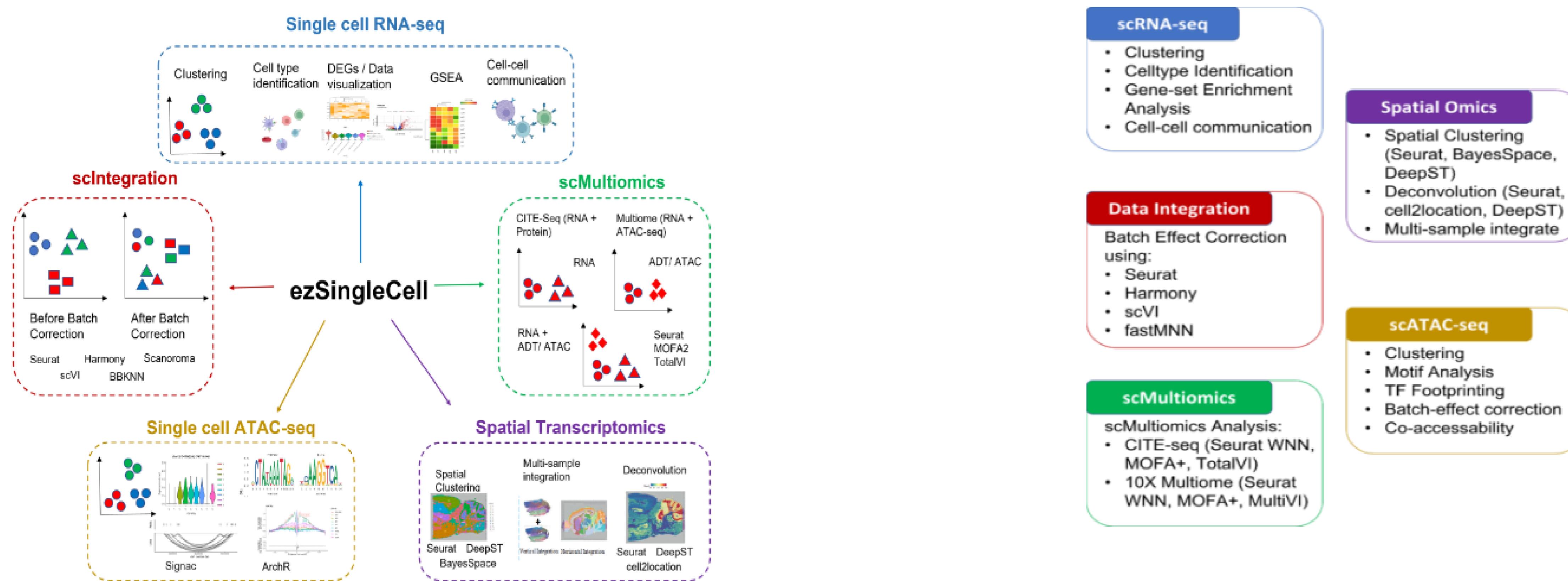


Web interface of ezSingleCell

The screenshot shows the ezSingleCell web interface. The top navigation bar includes links for optimization, scientific papers, Nature, and various URLs. Below the bar, a blue header bar contains links for Single cell RNA-sequencing, Single cell data integration, Spatial Transcriptomics, Single cell multiomics, Single cell ATAC-seq, and Help. The main content area features a title 'ezSinglecell : An integrated one-stop single-cell and spatial analysis toolbox for bench scientists' and a brief description of the tool's purpose and modules.

ezSinglecell : An integrated one-stop single-cell and spatial analysis toolbox for bench scientists

ezSingleCell is an integrated one-stop single-cell and spatial analysis toolbox developed by Chen Jinmiao's lab with an intention to empower bench scientists to perform downstream Bioinformatics analysis. In the current version, we incorporate 5 modules : Single cell RNA-seq, Single cell Data Integration, Single cell Multiomics, Single Cell ATAC-seq and Spatial Transcriptomics.



In this web server, we combine in-house novel algorithms such as CELLID (for cell type identification), along with existing top performing methods for both basic and advanced downstream analyses such as batch effect removal, trajectory, cell-cell communication, differential abundance, and spatial deconvolution.

The webserver is available at <https://immunesinglecell.org/ezsc/>