Package 'SpatialDatasets'

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Version 1.3.0

Title Collection of spatial omics datasets

Description This is a collection of publically available spatial omics datasets. Where possible we have curated these datasets as either SpatialExperiments, MoleculeExperiments or CytoImageLists and included annotations of the sample characteristics.

URL <https://github.com/SydneyBioX/SpatialDatasets>

BugReports <https://github.com/SydneyBioX/SpatialDatasets/issues>

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Author Farhan Ameen [aut],
Nick Robertson [aut],
Alex Qin [aut],
Elijah Willie [aut],
Ellis Patrick [aut, cre]

Maintainer Ellis Patrick <ellis.patrick@sydney.edu.au>

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Description

This is a collection of publically available spatial omics datasets. Where possible we have curated these datasets as either SpatialExperiments, MoleculeExperiments or CytoImageLists and included annotations of the sample characteristics.

Details

The SpatialDatasets package contains a collection of spatially-resolved omics datasets for use in examples, demonstrations, and tutorials.

The datasets are from several different platforms including IMC, MIBI-TOF, Xenium, CosMx and MERFISH. They have been sourced from various publicly available sources.

Additional examples and documentation are provided in the package vignette.

Datasets

The SpatialDatasets package contains the following datasets:

- spe_Keren_2018 (MIBI-TOF): A study on triple negative breast cancer containing 40 samples measured using MIBI-TOF published by [Keren et al. (2018)](https://doi.org/10.1016/j.cell.2018.08.039).

Value

The datasets will be a SpatialExperiment or MoleculeExperiment.

Examples

```
# load using dataset name
spe <- spe_Keren_2018()
spe
```

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