

# Package ‘BioImageDbs’

April 17, 2025

**Type** Package

**Title** Bio- and biomedical imaging dataset for machine learning and deep learning (for ExperimentHub)

**Version** 1.17.0

**Encoding** UTF-8

**Depends** R (>= 4.1.0)

**Imports** ExperimentHub, AnnotationHub, markdown, rmarkdown, EBImage, magick, magrittr, filesstrings, animation, einsum

**Suggests** knitr, BiocStyle, purrr

**Description** The package provides a bioimage dataset for the image analysis using machine learning and deep learning. The dataset includes microscopy imaging data with supervised labels. The data is provided as R list data that can be loaded to Keras/tensorflow in R.

**VignetteBuilder** knitr

**License** Artistic-2.0

**URL** <https://kumes.github.io/BioImageDbs/>

**LazyLoad** yes

**biocViews** ExperimentHub, ExperimentData, CellCulture, Tissue

**RoxygenNote** 7.1.1

**git\_url** <https://git.bioconductor.org/packages/BioImageDbs>

**git\_branch** devel

**git\_last\_commit** 6788273

**git\_last\_commit\_date** 2025-04-15

**Repository** Bioconductor 3.22

**Date/Publication** 2025-04-17

**Author** Satoshi Kume [aut, cre] (ORCID: <https://orcid.org/0000-0001-7481-2843>),  
Kozo Nishida [aut] (ORCID: <https://orcid.org/0000-0001-8501-7319>)

**Maintainer** Satoshi Kume <satoshi.kume.1984@gmail.com>

## Contents

|                               |   |
|-------------------------------|---|
| BioImageDbs-package . . . . . | 2 |
|-------------------------------|---|

**Index****3**

---

|                     |                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------|
| BioImageDbs-package | <i>Bio- and biomedical imaging dataset for machine learning and deep learning (for ExperimentHub)</i> |
|---------------------|-------------------------------------------------------------------------------------------------------|

---

**Description**

The package provides a bioimage dataset for the image analysis using machine learning and deep learning. The dataset includes microscopy imaging data with supervised labels. The data is provided as R list data that can be loaded to Keras/tensorflow in R.

**Details**

The DESCRIPTION file: This package was not yet installed at build time.

Index: This package was not yet installed at build time.

**Author(s)**

Satoshi Kume [aut, cre] (ORCID: <<https://orcid.org/0000-0001-7481-2843>>), Kozo Nishida [aut] (ORCID: <<https://orcid.org/0000-0001-8501-7319>>)

Maintainer: Satoshi Kume <[satoshi.kume.1984@gmail.com](mailto:satoshi.kume.1984@gmail.com)>

**Examples**

```
ls("package:BioImageDbs") # This is empty package
```

# Index

## \* **package**

BioImageDbs-package, [2](#)

BioImageDbs (BioImageDbs-package), [2](#)

BioImageDbs-package, [2](#)