

# Package ‘BioImageDbs’

December 19, 2024

**Type** Package

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

**Version** 1.15.0

**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** fbab23e

**git\_last\_commit\_date** 2024-10-29

**Repository** Bioconductor 3.21

**Date/Publication** 2024-12-19

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

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

## Contents

BioImageDbs-package . . . . .	2
<b>Index</b>	<b>3</b>

---

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](#)