

A photograph of a modern building with a glass facade and a courtyard. The building has a white brick wall on the left and a glass facade on the right. The courtyard is filled with green plants and has a paved path. The sky is blue with a few clouds.

Package Installation

Vincent Guillemot
Amoury Vaysse
Lundi 15/11/2021

swiss Post

OMICS

Install packages from

- Bioconductor ?
 1. First install `BiocManager` from CRAN
 2. Run the R command `BiocManager::install("package_name")`
- GitHub ?
 1. Install `devtools`
 2. Run the R command `devtools::install_github("username/repository")`.
- Source code ?
 1. Put the `source.tar.gz` in your working directory...
 2. Run the R command `install.package("source.tar.gz", repos = NULL, type = "source")`.

Exercises

Install limma

limma is the favorite package of anyone that wants to analyze gene expression data (microarray, RNA-seq, NanoString etc.)

Install it with the command

```
BiocManager::install("limma")
```

Explore the package

1. Load : `library(limma)`
2. Look at the main help page

?`limma-package`

1. Look at the first vignette : `vignette("intro", package = "limma")`