1. Install docker from Docker website ([Docker Desktop | Docker](https://www.docker.com/products/docker-desktop/)). Depending on the mac OS system, the intel Chip or Apple Chip version should be downloaded and installed.
2. After installing docker, open a new terminal and download docker image using command below:

docker pull holyone70/mesoderm\_pipeline:mesoderm\_pipeline

Text, letter

Description automatically generated

1. Resources assigned are required before running the dock image.

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

1. Run Docker Desktop, check the docker image to download and run the docker image

Graphical user interface, text, application, email

Description automatically generated

1. Setting up the container name and ports

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Output will be shown as below:

Graphical user interface, text, application, email

Description automatically generated

1. Reset the password for log in Rstudio server. The username: rstudio

Graphical user interface, application, Teams

Description automatically generated

Command line: sudo passwd rstudio

Graphical user interface, text, application, Word

Description automatically generated

1. Run Rstudio server in Docker container Graphical user interface, text, application

   Description automatically generated
2. Login Rstudio server

Graphical user interface, application, Word

Description automatically generated

1. Start to run the R script selected

Graphical user interface, text, application, email

Description automatically generated