*UE HAU9011* Year 2023-2024

## Introduction to single-cell transcriptomics

## Exercise series 1

## Exercise 1 (basic QC)

Go to GEO and download the file GSE77288\_molecules-raw-single-per-sample.txt.gz. It contains deep single-cell data from pluripotent stem cells obtained from three individuals.

## Load the data:

Using the function colsums (), compute the total number of UMIs and genes per cell. Generate plots (histograms or others) and propose a policy to discard cells harboring too low complexity or excessively large UMI totals.

