

## Zebrafish Dataset Practical 4

**For the final practical, we're going to use a new dataset. It's the remaining drug – nicotine - from the same experiment as the amphetamine and oxycodone datasets. Before you begin, copy the files “Nic.counts.tsv” and “Nic.samples.tsv” from “penelopeprime” to your home directory.**

**Alternatively, you can download the files from:**

<https://funcgen2022.buschlab.org/downloads/Nic.counts.tsv>

<https://funcgen2022.buschlab.org/downloads/Nic.samples.tsv>

For the final practical, we'd like you to produce two panels of a figure:

1. The first panel should be a descriptive one that summarises the data in some way, for example, a heatmap or a volcano plot.
2. The second panel should illustrate the function of the significant genes in some way, for example, using ClueGO or Reactome.

Put your completed figures - with filenames corresponding to your name - on “penelopeprime” in the Day 4 Practical folder and at the end of the session we'll all have a look at them and compare notes!