

Procedure I RNA-seq Re-analysis on bladder cancer cell lines with Galaxy

- I. Register account: <https://usegalaxy.org>
- II. Download raw sequence data of 8x bladder cancer cells from Xinqiao's Galaxy Account
- III. Upload these raw data to your Galaxy Account
- IV. Run "hisat2" each cell line
- V. Run "htseq-count" for each cell line
- VI. Download "htseq-count" result and combined to one file
- VII. Run "DESeq2" or "edgeR" or "limma" for 8x cell lines with two group: PEM sensitive and PEM resistant
- VIII. Run pathway analysis (or gene set analysis, or function analysis)
 - a. Run "EnrichmentBrowser" for pathway analysis
 - b. Go to MSigDB (www.gsea-msigdb.org), using ranked gene list.
- IX. Ref