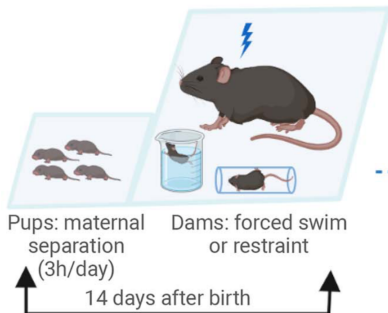


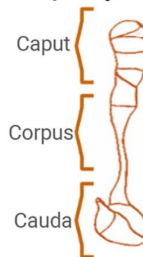
**MSUS** (Unpredictable maternal separation combined with unpredictable maternal stress)



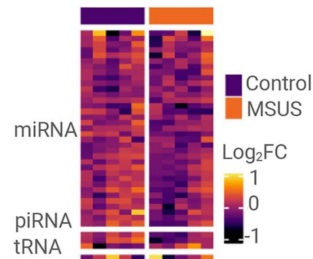
**Adult MSUS males**



**Epididymis**



**Small RNA-seq of cauda extracellular vesicles (EVs)**



**miRNAs are altered by MSUS in cauda EVs**

- miR-31-5p
- miR-871-5p
- miR-155-5p
- miR-878-5p
- miR-34-5p



**Altered expression of miR-31-5p target genes in MSUS sperm and zygotes**

