## Portfolio

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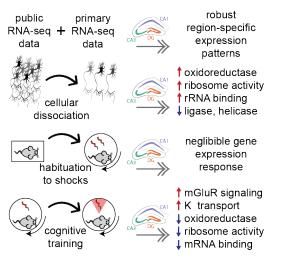
June 12, 2017

## Neurogenomics

Examining brain function at the molecular level

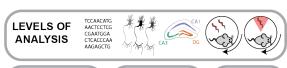
## Neurogenomic plasticity

The goal of my thesis was to understand how the brain's genome changes in response to different stimuli.



# Workflow for open, reproducible, and multi-discipinary research

One way to collect, wrangle data, data, share, stored, and vizualized data.



#### HPC FOR RNA-seq

TACC FASTOC Cutadapt Kallisto

#### REPRODUCIBLE RESEARCH in R reshape2 dplry

plyr knitr

### STATISTICAL ANALYSES

DEseq2 GO MWU

# DATA

VIZUALIZATION VennDiagram aaplot2 cowplot pheatmap **RColorBrewer** Adobe Illustrator

#### RESEARCH SHARING

GitHub Zenodo. **GEO** FigShare BioRxiv Peer Review Medium YouTube SlideShare Cirricula