

# NGV Hunters

(c3-la-team-b)

## Day 2: Team Progress Update

Team Members:

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## Main Purpose

The NGV hunters recognize the genetic complexity of Motor Neuron Disease and the multimodality of translating insight from motor neuron disease to effective drugs both for the (1) prevention of disease and for the (2) treatment of disease.

## Aim 1: Exploring Genetic Variation

To explore the genetic variations that exist within different sub variations of the disease

- A. Slow progression vs Fast Progression
- B. Differences Across Biological Sex



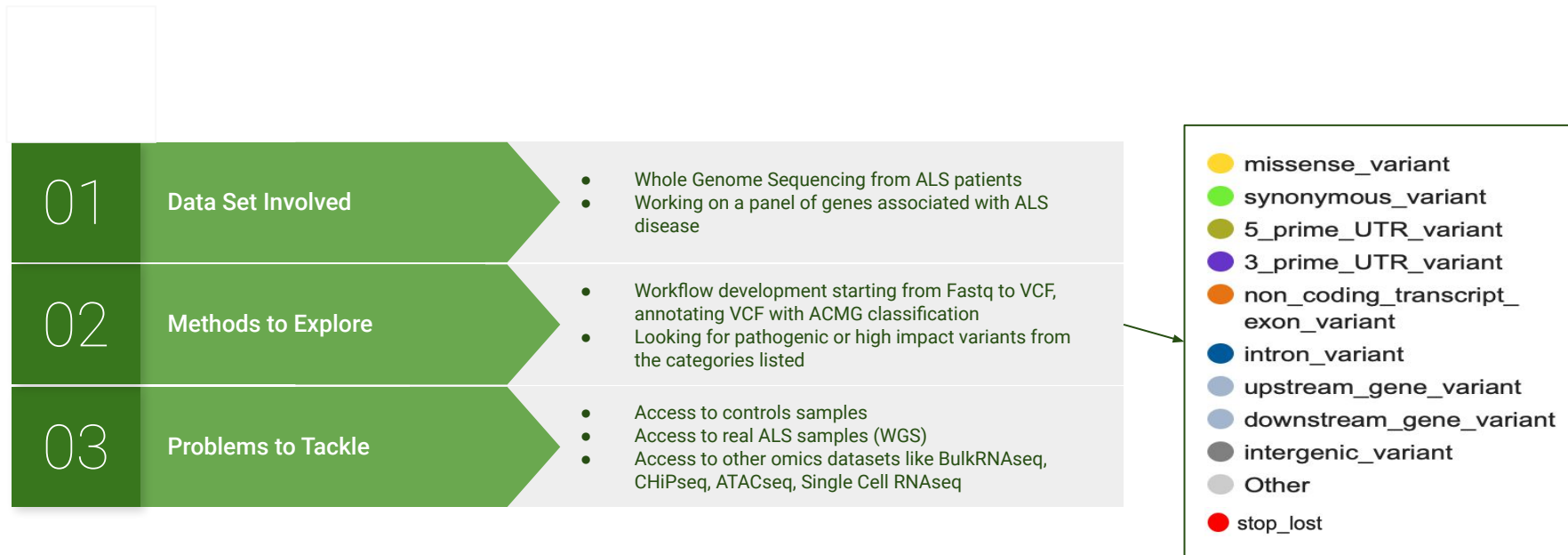
## Aim 3: Drug Discovery Based on Genetic Targets

- A. Drugs that are already FDA/EMA approved
- B. Drugs currently studied in pre-clinical research
- C. New drug research from labs conducting research on chemicals with physical characteristics similar to what we predicted would work with our target genes

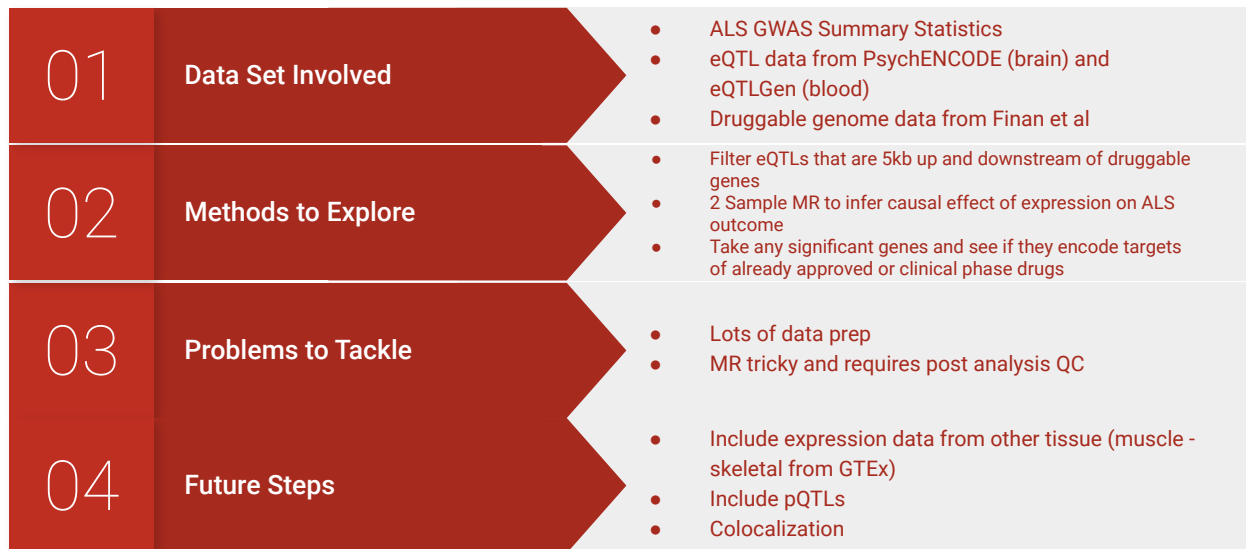
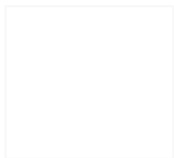
## Aim 2: Mendelian Randomization for Drug Target Discovery

To explore genetic drug targets which may differ from causal genetic finds

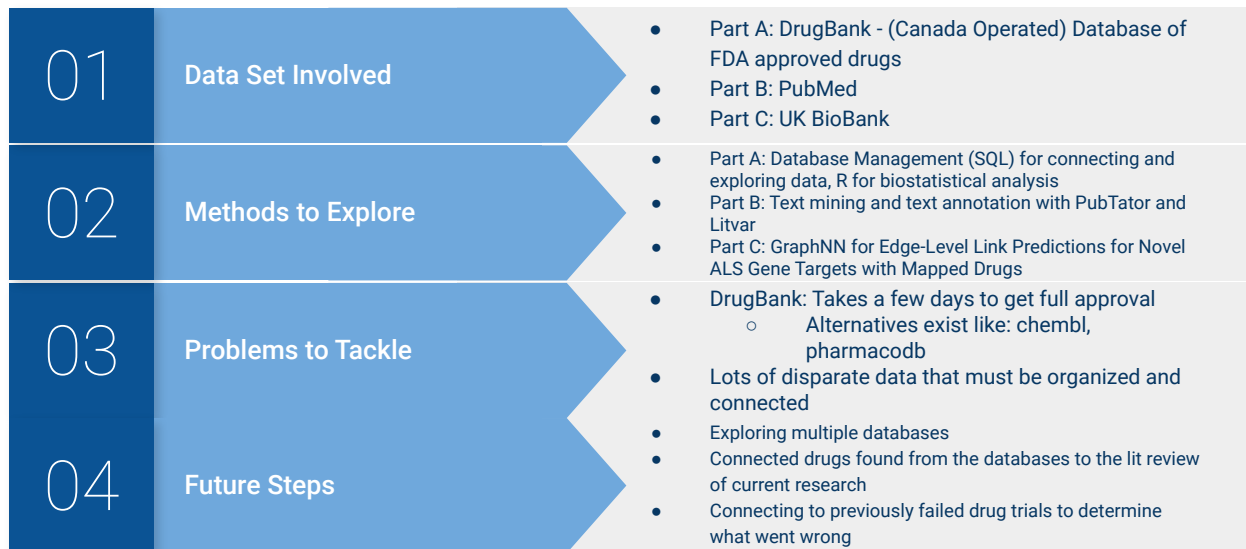
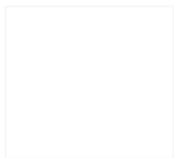
# Aim 1: Exploring Genetic Variations



## Aim 2: Mendelian Randomization for Drug Target Discovery



# Aim 3: Drug Discovery Based on Genetic Targets





# Thank you and Questions!

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