

## Characterization of a non-genetic ASD mouse model

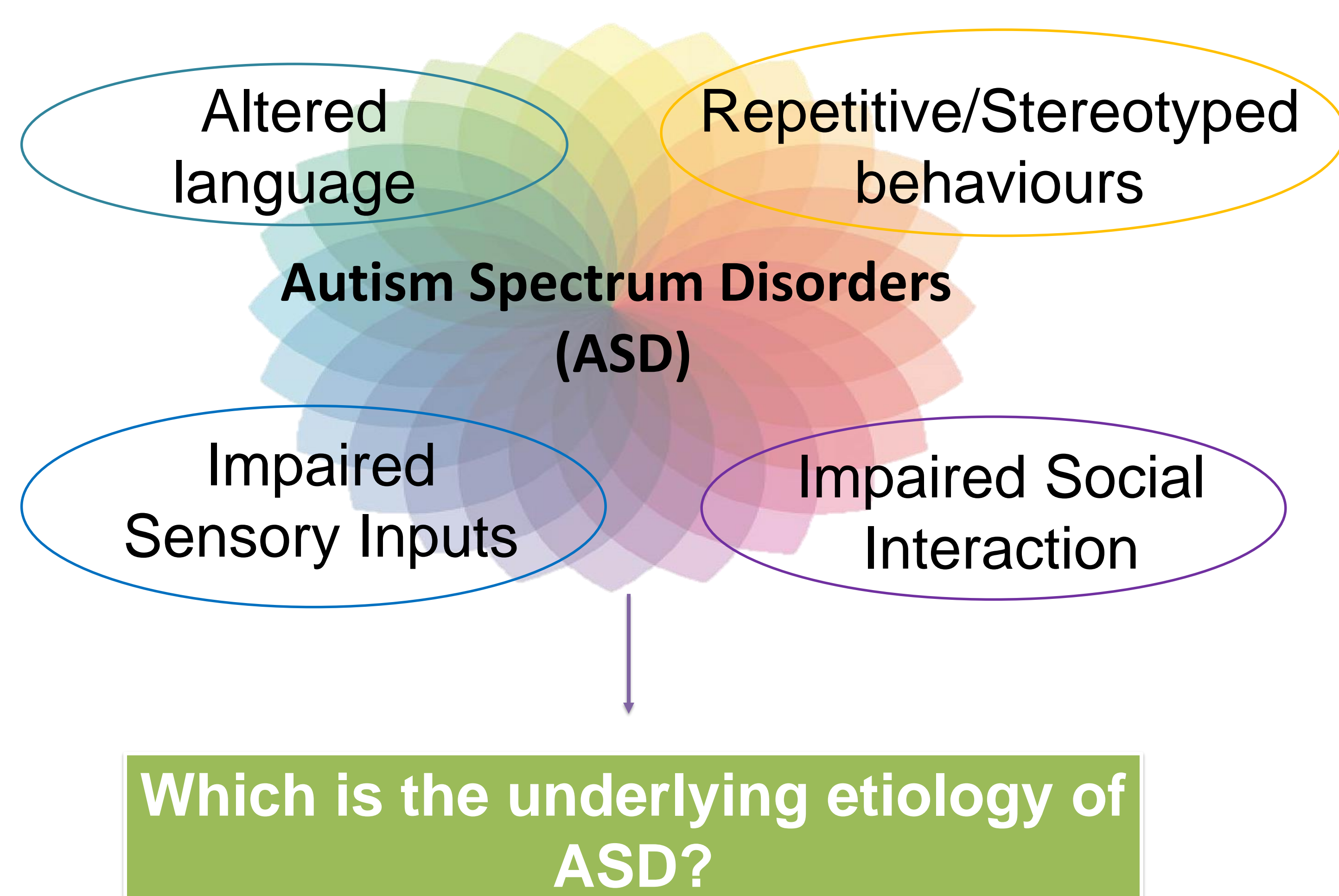
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Transcriptional and epigenetic mechanisms of neuronal plasticity

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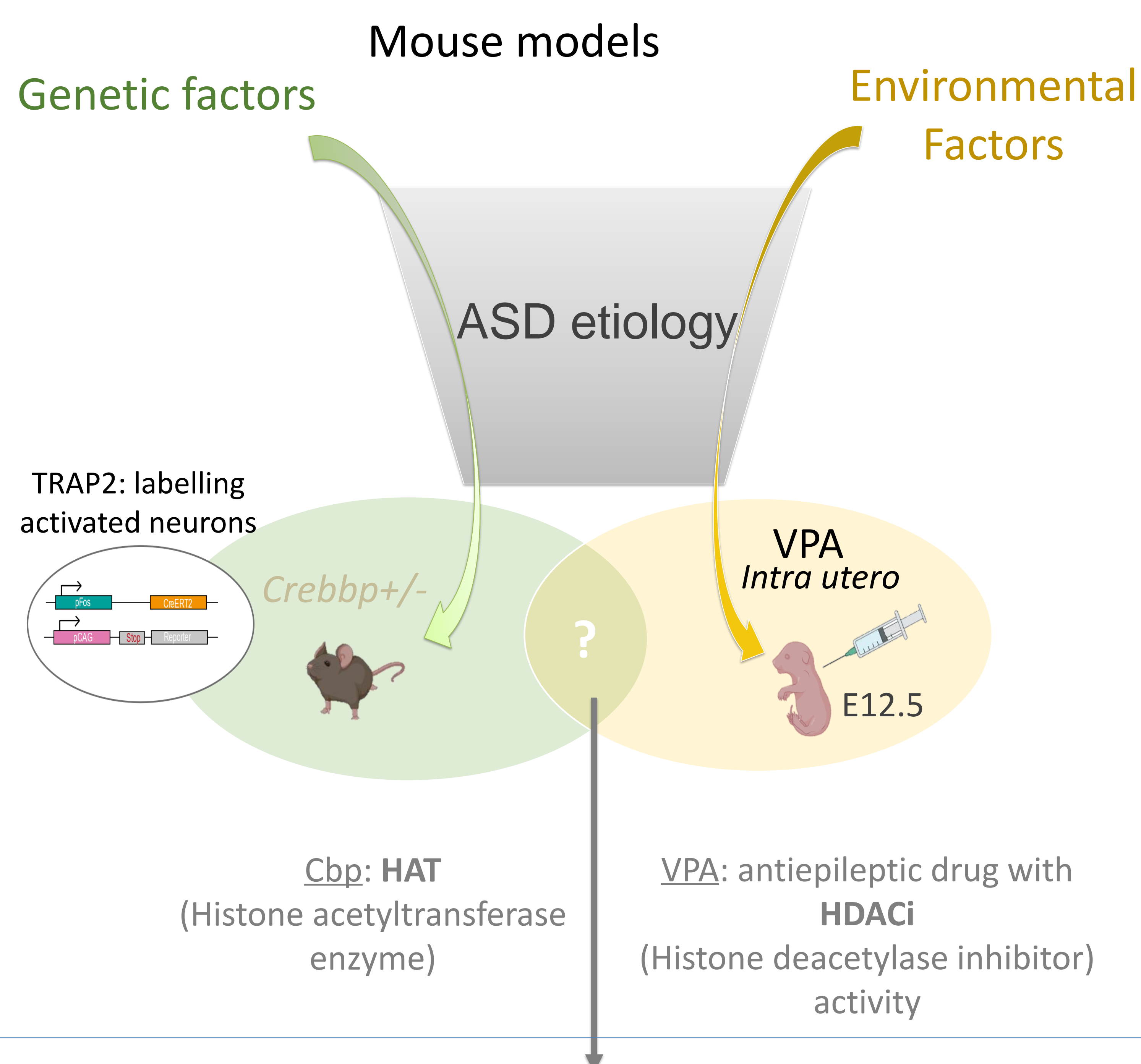


### ASD's Clinical Relevance

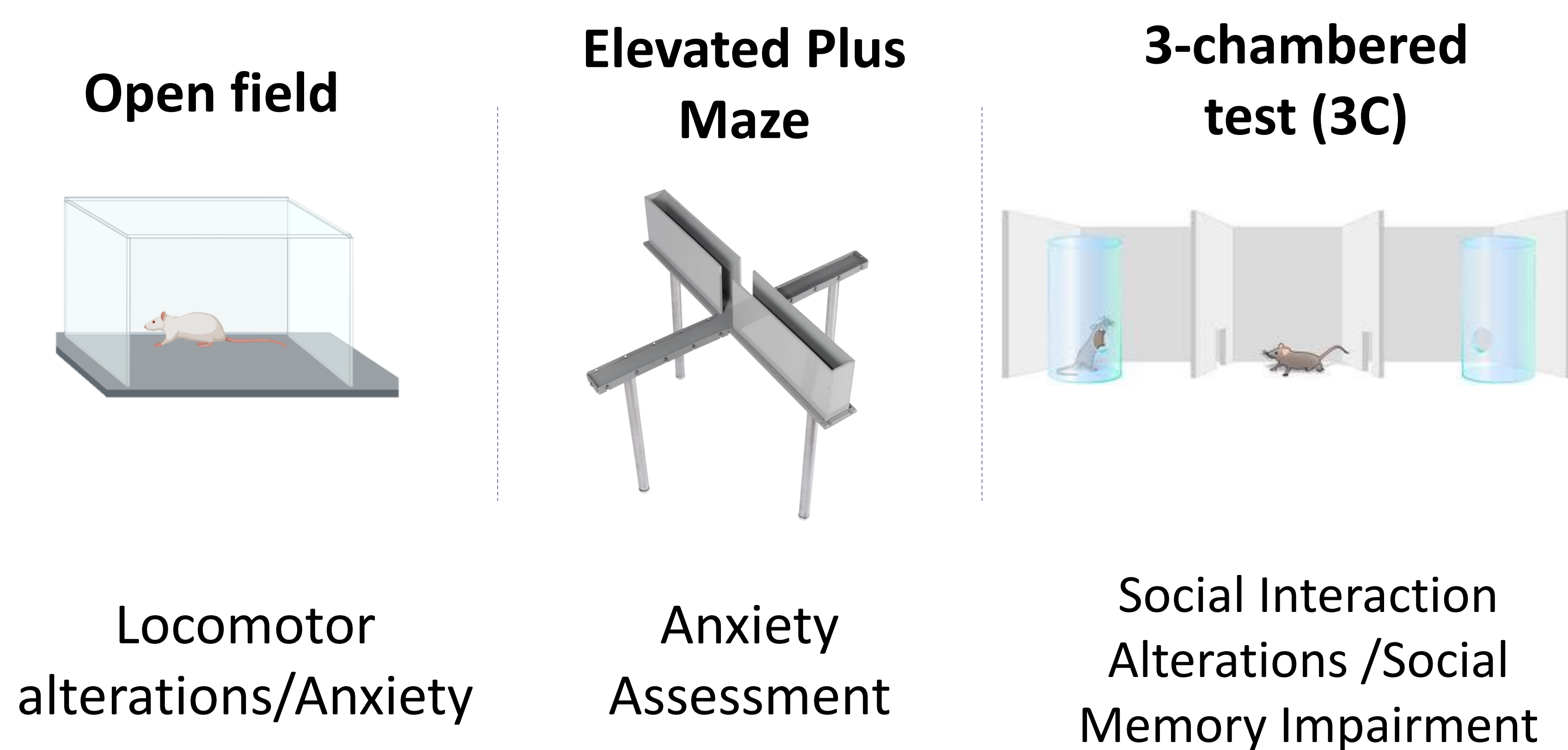


The main objective is to identify common mechanisms between genetic and environmental factors

### How do we model ASD in mice?



### Behavioural Assessment in Mouse Models



- Histone acetylation alters DNA accesibility, hence transcription.
- Identification of locus-specific alterations
- Putative therapy: **epi-drugs**

### Epigenetics: the unerlying mechanism between genetic and environmental factors?

