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Behavioral neuroscience

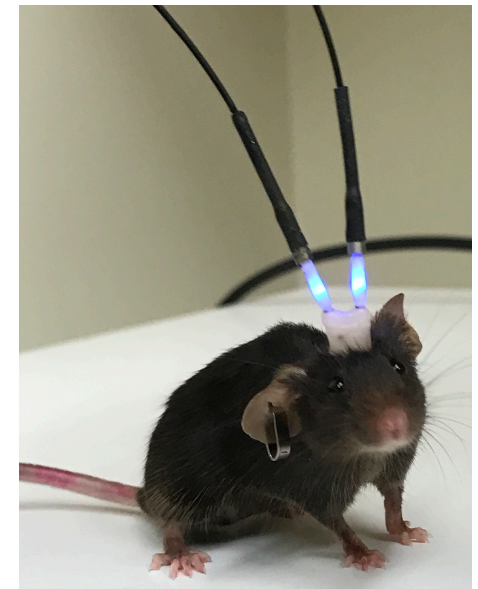
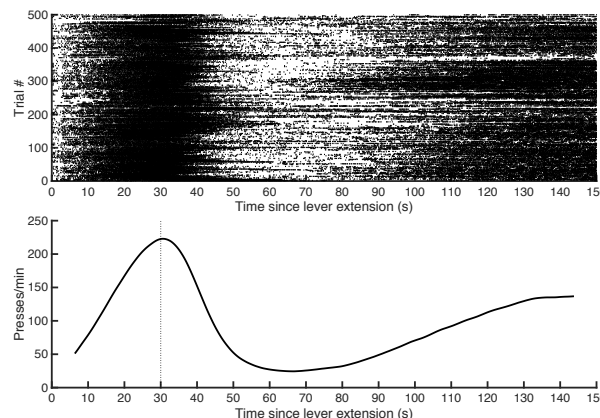
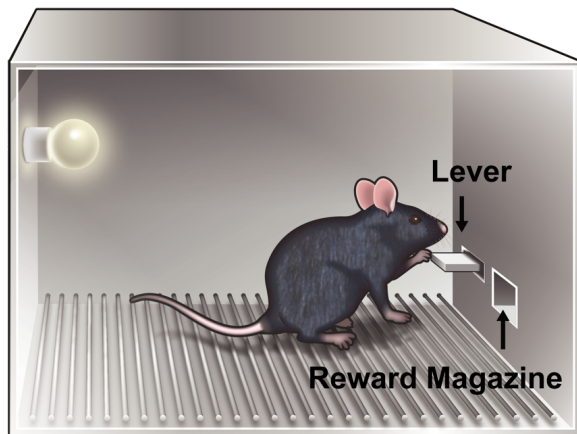
Understand the relationship between brain and complex behavior

Training and
performance of
behavior

Record brain
activity

Manipulate
brain activity

DATA



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Challenges:

Highly dynamic brain activity, highly dynamic behavior
Lots of data, obtuse relationships

- Scale depth and resolution of ongoing analyses
- Reveal relationships that we don't know to look for
- Generate hypotheses, inform experiments, predict results