# UC Davis Biomedical Engineering

#### Title

Decoding cortical activity: how the motor cortex encodes postural perturbations after spinal cord injury

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### **Data Availability**

The data associated with this publication are not available for this reason: N/A



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Tilt Task

Tilt 1

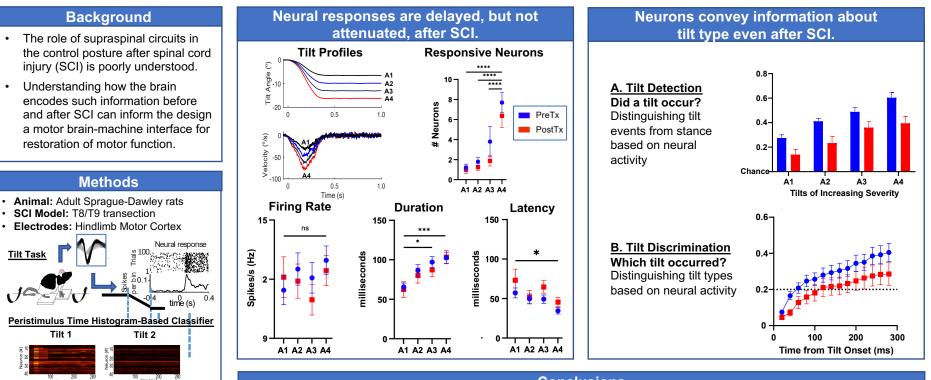
New Trial

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## Decoding cortical activity: how the motor cortex encodes postural perturbations after spinal cord injury

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#### Conclusions

- While deafferented, the hindlimb motor cortex in injured animals encodes information about tilts similarly to uninjured animals - simply with a delay.
- This can be exploited for the development of neuro-prosthetics and other brain-machine interface technologies.