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Running Title: TBI & Timing

## Frontal Brain Injury Chronically Impairs Timing Behavior in Rats

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### Research Highlights

- Frontal Brain Injury Chronically Impairs Timing Behavior in Rats
- Taylor L. Scott & Cole Vonder Haar
- Brain injury accelerates timing-related behaviors in rats
- Deficits in timing after injury are long-lasting
- Amphetamine did not significantly alter peak time
- The peak interval procedure is effective in assessing injury-related deficits

### Abstract:

Traumatic brain injury (TBI) affects over 2.8 million people annually, and has been shown to increase motor impulsivity in both humans and animals. However, the root cause of this behavioral disinhibition is not fully understood. The goal of the current study was to evaluate whether timing behavior is disrupted after TBI, which could potentially explain increases in

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