**2 million** people in the **United States** alone suffer from Epilepsy. The current monitoring solution, ECoG operations, require depth electrodes to be inserted into the brain confining patients to their *hospital* beds for days on end, via *physical cables* connecting their brain to bedside monitors. Patients’ quality-of-life is significantly reduced by limiting their mobility and the data collected is unrepresentative of real-world activity.

My name is Thomas Liu and my team, Wireless Neural Recorder, will untether these patients, by **wirelessly** transmitting brain data. We are making a *secure*, *real-time, and low power* **embedded system** that acts as the end cap screw to the intracranial probe. Our device, no larger than a pencil eraser has better performance than the current bulky equipment. We will also allow patients to freely move about their **homes**, interacting with their loved ones, while transmitting reliable data to a secure terminal.

There are no existing real-time wireless ECoG solutions that provides the level of care that we will offer. Our first operational prototype will be ready for animal testing beginning Spring 2016.

Currently, we are seeking mentors and sponsors, who are experienced with the medical device market and would love to speak to you afterwards.

We are the Wireless Neural Recorder and we are here to give epilepsy patients their mobility and their life back.