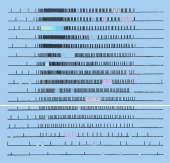
Interfacing with the Brain

Innovation pushing the boundaries of neural engineering.



FROM NEURON TO COMPUTER

The Link

We're designing the first neural implant that will let you control a computer or mobile device anywhere you go.

Micron-scale threads are inserted into areas of the brain that control movement. Each thread contains many electrodes and connects them to an implant, the Link.

NEURAL IMPLANT AND ELECTRODE ARRAY

LINK

Sealed, implanted device that processes, stimulates, and transmits neural signals.

NEURAL THREADS

Each small and flexible thread contains many electrodes for detecting neural signals.

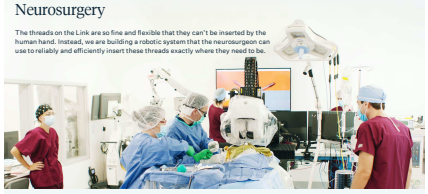
CHARGER

Compact inductive charger wirelessly connects to the implant to charge the battery from the outside.

NEW APPROACH TO NEUROSURGERY

Precision Automated Neurosurgery

The threads on the Link are so fine and flexible that they can't be inserted by the human hand. Instead, we are building a robotic system that the neurosurgeon can use to reliably and efficiently insert these threads exactly where they need to be.



REGAINING INDEPENDENCE

The Neuralink App

The Neuralink app would allow you to control your iOS device, keyboard and mouse directly with the activity of your brain, just by thinking about it.

BE IN CONTROL

The Neuralink app would guide you through exercises that teach you to control your device.

SIMULATION.
NOT FDA-APPROVED OR AVAILABLE.

BE AUTONOMOUS

With a bluetooth connection, you would control any mouse or keyboard, and experience reality — unmediated and in high fidelity.

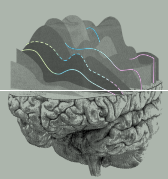
Learn More

- WHAT IS NEURALINK DEVELOPING? +
- WHAT ARE THE BIGGEST CHALLENGES IN MAKING A SCALABLE BMI? +
- HOW DOES THE NEURALINK SYSTEM DIFFER FROM OTHER BMI DEVICES? +

Engineering with the Brain

Together, these technologies create a new kind of brain interface that could help many people with neurological injury or disease. For example, the Link should give people with paralysis the power to their control computers and other devices.

APPLICATIONS →



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