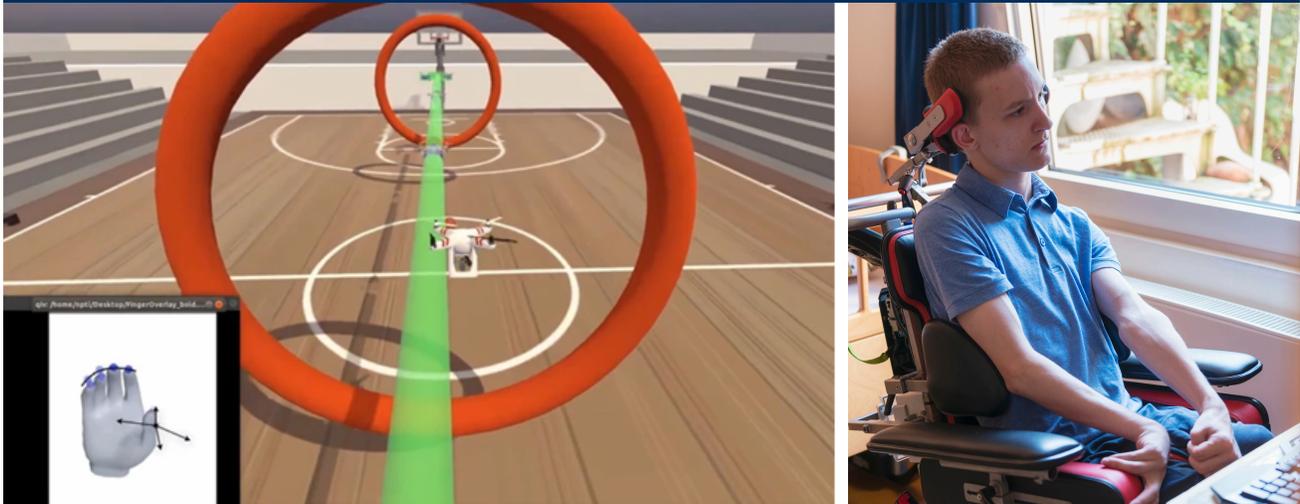


Research Opportunity



Intracortical Brain-Computer Interface for Safe, High-Performance, Robust Motor/Speech Restoration and Digital Interfaces

- The goal of this study is to evaluate the safety, reliability, and long-term signal quality of a brain-computer interface in adults (ages 22-75) who are unable to move their arms or legs or cannot speak
- The study will also assess how well the device can control computers, motor prostheses, or help restore speech
- Led by Dr. Matthew Willsey at the University of Michigan, Ann Arbor

If you qualify for this study, participation includes:

- A surgical procedure to implant up to 4 micro-electrode arrays in your brain
- Perioperative care and follow-up at the University of Michigan
- Weekly research sessions at your home evaluating safety and exploring the potential of brain-controlled computers, motor prostheses, and speech
- The opportunity to be at the forefront of neural technology and contribute to potentially life-enhancing research

Eligibility:

- Paralysis of the arms and legs or difficulty producing speech due to spinal cord injury, brainstem stroke, ALS, progressive muscle atrophy, adult-onset spinal muscle atrophy, or muscle dystrophy
- Must be willing to commit to 13 months of participation and test the system 2-3 times per week
- Must live within a 3-hour drive from Ann Arbor, MI
- Other eligibility and exclusionary criteria are available upon request

To learn more about the study, please scan the QR code or contact the study team at rmball@med.umich.edu



What is the Connect-One Clinical Study?

Connect-One is the first study to test the Connexus Brain-Computer Interface (BCI) in people. After surgery to place the device, the Connexus BCI reads from the brain area that controls speech movement and is designed to turn brain signals into text, a digital voice, or commands for a phone or computer. Participants meet with the Connect-One Team several times a week to help adjust the system for their communication needs.



A RECEIVER WORN ON THE CHEST SENDS SIGNALS TO A COMPUTER.



www.paradromics.com/clinical-study
info@paradromics.com

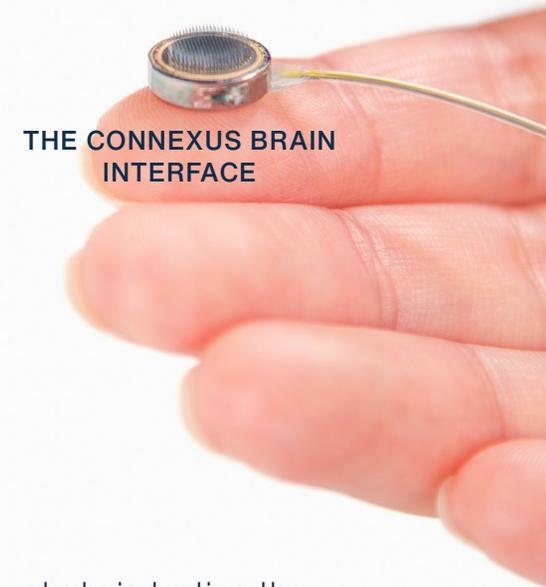
Connexus BCI is an investigational device limited by United States law to investigational use.

CDO-1007



Is your speech very hard to understand, or are you unable to talk because of a nerve or muscle problem?

You may be able to join the Connect-One Clinical Study.



THE CONNEXUS BRAIN INTERFACE

The study is testing the Connexus[®] Brain-Computer Interface to see if it can help rebuild the link between what you want to say and your ability to speak.

Help people speak again using brain to speech technology.

When paralysis makes it hard to talk, it can feel like your voice is cut off from your thoughts. The Connect-One Clinical Study is testing a brain-computer interface (BCI), called Connexus® BCI, to see if it can help rebuild the link between what you want to say and your ability to speak.

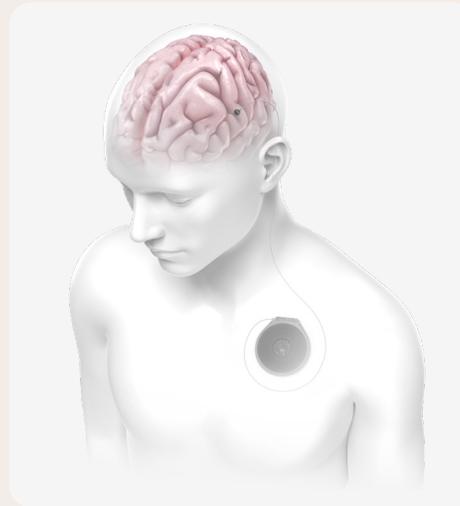
As one of the first participants, your feedback can help shape a future where you, and countless others, can communicate and live more independently.

Who is eligible to participate in the study:

- Adults between 22 and 75 years old.
- Diagnosed with a progressive disease (like Amyotrophic Lateral Sclerosis (ALS)) or an injury that affects muscles or nerves (like a brainstem stroke).
- Have trouble speaking, such as slurred speech (dysarthria) or loss of control over speech muscles (anarthria).
- Can communicate well enough to agree to join the study and share experiences.
- Can read and understand English.
- Have experience using assistive communication devices, like eye-tracking systems.
- Live within 4 hours of Ann Arbor, MI.

Who is NOT eligible to participate in the study:

- Have another implanted device, like a pacemaker, deep brain stimulator, or implantable pulse generator.
- Need regular MRI scans.
- Require certain treatments, such as Electroconvulsive Therapy (ECT), Transcranial Magnetic Stimulation (TMS), or diathermy.



BRAIN SIGNALS TRAVEL FROM THE CONNEXUS BRAIN INTERFACE TO A CHEST IMPLANT.

How long will the study last?

The entire study lasts 6 years. The main part of the study takes 15 months and includes screening, surgery, and research sessions at your home with the Connect-One Team. After that, we will keep studying the safety and use of Connexus BCI with regular visits for 5 more years. Participation is voluntary, and you can stop at any time.

What kind of support will I receive during the study?

You will get help from the study doctor and the Connect-One Team. After surgery, the team will help set up your Connexus BCI and make sure everything is working safely.

The study will cover any costs from taking part in the study. You will not receive money, gifts, or other rewards for participating.



THE CONNEXUS BRAIN INTERFACE IS SMALLER THAN A DIME.

What are the risks of the study?

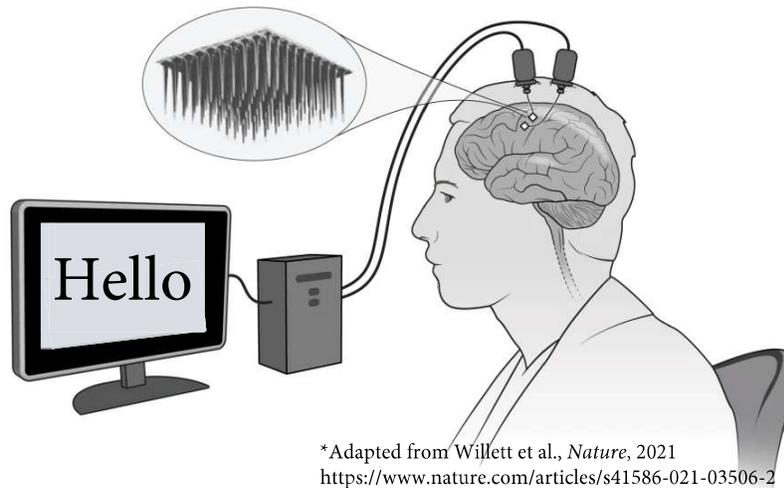
The Connect-One Study comes with surgical risks. In addition, the device may not work as planned. If you qualify to take part, the study doctor will explain the risks and answer any questions you may have.

To learn more, scan the QR code or go to website.



www.paradromics.com/clinical-study

Research Opportunity



*Adapted from Willett et al., *Nature*, 2021
<https://www.nature.com/articles/s41586-021-03506-2>

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