

The brain is a data organ.
It needs a data interface.

Our Mission

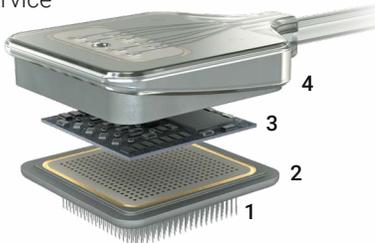
Paradromics is enabling a future where direct data interfaces with the brain unlock technology solutions to unmet medical challenges.

3M 5M 50M+

Enabling [technology]

Connexus® Direct Data Interface

- Revolutionary leap beyond today's lab-confined brain-computer interfaces (BCI)
- Collects an unprecedented number of individual neural signals
- Fully-implantable device designed for long-term daily service



The Connexus Direct Data Interface cortical module: (1) Fine (<40 μm) microelectrodes minimize tissue impact (2) Hermetic electrode feedthrough protects electronics during long-term implantation (3) Patented on-chip Quartet™ Neural Signal Transform provides low-power conversion of neural signal to usable data (4) Signals leave the module on a small, flexible lead.

The Need

Patient population in the U.S.

- Speech and motor paralysis (**3M**)*
- Drug-resistant, serious mental illness (**5M+**)
- Chronic pain, addiction, mood disorders (**50M+**)

*150k+ patients categorized as having "severe" speech and motor paralysis.

Enabling [people]

First clinical application

Our first use will be as an assistive communication device for patients who've lost the physical ability to speak or type—essentially transforming their neural data into text or synthesized speech.

Enabling [the future]

New medical paradigm

By making the brain accessible to direct communication with digital interfaces, we can leverage technology to solve some of our most difficult neurological and brain-related medical challenges. With their first clinical use on the horizon, we've only begun to realize the vast impact that direct data interfaces with the brain will have on the future of medicine.

Company Facts

- Founded in **2015**
- **\$38M** in venture investment
- **\$18M** in public funding (NIH and DARPA)
- **35** Employees

Board of Directors



Matt Angle, Founder and CEO
• Postdoc, Materials Science, Stanford University
• PhD, Neuroscience, University of Heidelberg



Amy Kruse, Director
• Former CTO, Cubic Global Defense, CSO, Optios, and Program Manager at DARPA
• PhD Neuroscience, University of Illinois at Urbana-Champaign



James Burrows, COO
• 25+ years experience in global medical device industry
• MBA International Marketing, Texas State University



Adam Kablanian, Director
• CEO at Cynora and Founder of Virage Logic
• Serial global entrepreneur and disruptive technology veteran