



# Neuroage: Issue no.15

## BY NEURORIGHTS FOUNDATION

MAR  
2024

### SPOTLIGHT: First-in-the-Nation Neural Data Protections Bill Passes Colorado Senate

On March 26, in a landmark and bipartisan decision, the Colorado Senate unanimously approved HB-1054, the world's first neurodata protection bill with a vote of 34-0. Spearheaded by Representatives Kipp (D) and Soper (R), alongside Senators Baisley (R) and Priola (D), this legislative achievement defines neural data and protects it as a sensitive personal decision.

Following a unanimous decision in the Colorado House of Representatives Judiciary Committee and a 61-1 vote at the House, the bill also received a unanimous endorsement from Colorado's Senate Business, Labor, and Technology Committee.



To achieve this milestone, the Neurorights Foundation worked alongside Colorado's House, Senate and AG office. Dr. Yuste and Mr. Genser testified in support of the bill before the House, while Dr. Yuste and Mr. Damianos provided testimony before the Senate. Sean Pauzasukie, our new Medical Director, shepherded the bill through its legislative journey with exceptional leadership.

These collective efforts in passing HB-1054 have now established a pioneering global standard for digital privacy and the protection of individual rights.



### HB24-1058: PROTECT PRIVACY OF BIOLOGICAL & NEURAL DATA



**Sponsorship:**  
Representatives Cathy Kipp & Matt Soper  
Senators Mark Baisley & Kevin Priola

#### WHAT WILL THIS BILL DO?

This bill will expand the definition of "sensitive data" within the "Colorado Privacy Act", created by SB21-190, to encompass biological data, including neural data.

#### WHY THIS BILL IS NEEDED?

Advances in technology have increased the volume and variety of personal data being generated, collected, stored, and analyzed. Neurotechnology users cannot decide what specific neural information they are disclosing. Neural data can reveal intimate information about individuals, including: health, mental states, emotions, and cognitive function. Neurotechnologies are no longer confined to the realms of research and rehabilitation. Outside of medical settings, neurotechnologies can operate without regulation or data protection standards.

#### MORE INFORMATION:

Scientists Recreated a Pink Floyd Song From Listeners' Brain Waves  
New Apple Patent Could Measure Bio Signals  
Meta Just Achieved Mind Reading with AI

#### ADDED DEFINITIONS

**Biological Data:** Data generated by the technological processing, measurement, or analysis of an individual's biological, genetic, biochemical, physiological, or neural properties, compositions, or activities of an individual's body or bodily functions which data is used or intended to be used, singly or in combination with other personal data, for identification purposes.

**Neural Data:** Information that is generated by the measurement of the activity of an individual's central or peripheral nervous systems and that can be processed by or with the assistance of a device.

#### UPDATED DEFINITION

**Sensitive Data:** Genetic or biometric data that may be processed for the purpose of uniquely identifying an individual; (c) Personal data from a known child or (d) BIOLOGICAL DATA



### Advancing Neurorights in Spain: Dr. Yuste's Testimony to Spain's Congress

Chair and founder Dr. Rafael Yuste testified to the Spanish Parliament on neurotechnology and neurorights, alongside Álvaro Pascual-Leone, the Spanish-American Professor of Neurology at Harvard Medical School.

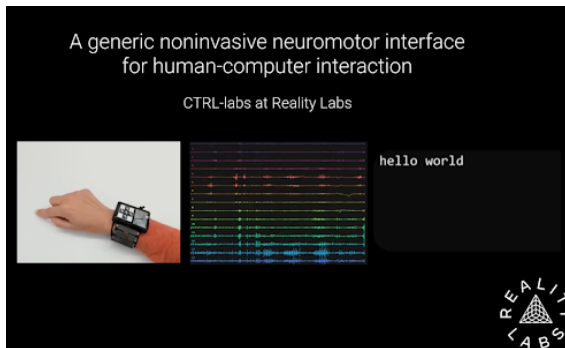


Welcome Aboard, Dr. Sean Pauzauskie, the NRF's new Medical Director!

The Neurorights Foundation is thrilled to announce the newest addition to our team, Dr. Sean Pauzauskie, joining us as Medical Director. Dr. Pauzauskie brings a wealth of knowledge and experience from his time as a hospital neurologist within the University of Colorado system, where he conducts clinical research employing neurotechnology, primarily for the optimization of epilepsy management. He is an active member of the American Academy of Neurology and The American Medical Association, and his research experience includes time at The National Institute of Mental Health, The Energy and Commerce Committee of the U.S. House of Representatives, and the Kaufmann Foundation for entrepreneurship.

Please join us in extending a warm welcome to Sean. We look forward to the expertise, innovation, and passion he brings to our team!

## Neurotechnology Today



### Meta Unveils Progress on EMG Wristband Project

Meta recently shared a rare glimpse into the ongoing development of its EMG wristband, a project initially started by CTRL Labs before Meta's acquisition in 2019. In a tweet from February 28th, David Sussilo, a research scientist at Meta Reality Labs, shared a video highlighting the latest in design and research progress. According to the tweet, the project seeks to “address the Human Computer Interaction challenge of providing effortless, intuitive, and efficient input to computers.”

Watch the video and see the tweets [HERE](#)

### Precision Neuroscience's New Brain-Computer Interface Trial

Precision Neuroscience is advancing neurotechnology with a trial of their brain-computer interface (BCI), designed to enable paralyzed patients to control computers using only their thoughts. In a landmark procedure, a patient had the device temporarily implanted, and the interface successfully interpreted brain signals into hand movements.

Read more in the WSJ: [“Inside the Operating Room: Doctors Test a Revolutionary Brain-Computer Implant”](#) By Jo Craven McGinty



## *Theater of Thought: Directed by the Legendary Werner Herzog*



[Watch the Trailer](#)

We offer free screenings of our documentary film, Theater of Thought to the following organizational types: 1. Scientific/Research groups. 2. Medical Campuses, Societies, and organizations. 3. Academic/Educational groups, organizations, and institutions. 4. Policy organizations, NGOs, government agencies, and governing bodies. Contact us at [neurorightsfoundation@gmail.com](mailto:neurorightsfoundation@gmail.com) for more Information.

*The film is multifaceted, illuminating the technological advances that are helping people overcome brain-related illnesses, confronting conspiracy theories over implanted chips, and questioning the politics of mind control.*