



Paul Nuyujukian

Assistant Professor of Bioengineering and of Neurosurgery

Bio

BIO

Our group, the Brain Interfacing Laboratory, explores basic motor systems neuroscience and neuroengineering applications. We are interested in understanding how the brain controls movement and recovers from injury, particularly within the context of recording populations of neurons. We are also interested in the applicability of brain-machine interfaces as a platform technology for a variety of brain-related medical conditions, particularly stroke and epilepsy. Our work spans both preclinical models and human clinical studies.

ACADEMIC APPOINTMENTS

- Assistant Professor, Bioengineering
- Assistant Professor, Neurosurgery
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- VPGE Faculty Advisory Committee, Stanford Office of the Vice Provost for Graduate Education, (2020- present)
- Sherlock Faculty Advisory Committee, Stanford Research Computing Center, (2020- present)
- Committee on Academic Computing and Information Systems, Stanford University Faculty Senate, (2019-2023)
- Data Services and Research Computation Design Team, Stanford University Long Range Plan, (2019-2020)

HONORS AND AWARDS

- GradEd Champion, Stanford University (2018)
- Medical Scientist Training Program (MSTP), Stanford (2009-2014)
- Paul and Daisy Soros Fellowship for New Americans, - (2008)
- Medical Research Fellows Program, Howard Hughes Medical Institute (HHMI) (2008)
- Medical Scholars Research Program, Stanford (2007-2009)
- Undergraduate Research Program in Electrical Engineering, UCLA (2004, 2005)

PROFESSIONAL EDUCATION

- MD, Stanford University (2014)
- PhD, Stanford University , Bioengineering (2012)

- BS, UCLA (2006)

PATENTS

- Paul Nuyujukian, Lisa Yamada. "United States Patent US20230310857A1 Systems and Methods for Seizure Detection Using Compression-Enabled Joint Entropy Estimation", Leland Stanford Junior University, Apr 3, 2023
- Jonathan C Kao, Paul Nuyujukian, Mark M Churchland, John P Cunningham, Krishna V Shenoy. "United States Patent 20140257520 Brain Machine Interfaces incorporating Neural Population Dynamics", The Board Of Trustees Of The Leland Stanford Junior University, Feb 24, 2014
- Paul Nuyujukian, Jonathan C Kao, Krishna V Shenoy. "United States Patent US20140081454 Brain Machine Interface utilizing a Discrete Action State Decoder in Parallel with a Continuous Decoder for a Neural Prosthetic Device", Stanford University, Sep 12, 2013
- Vikash GIlja, Paul Nuyujukian, Cynthia A Chestek, John P Cunningham, Byron M Yu, Stephen I Ryu, Krishna V Shenoy. "United States Patent 20110224572 Brain machine interface", Stanford University, Feb 18, 2010

LINKS

- Personal Profile: <http://bil.stanford.edu/paul-nuyujukian>
- Brain Interfacing Laboratory: <http://bil.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our group explores neuroengineering and its application to both basic and clinical neuroscience. Our goal is to develop brain-machine interfaces as a platform technology for a variety of brain-related medical conditions including stroke and epilepsy.

CLINICAL TRIALS

- BrainGate2: Feasibility Study of an Intracortical Neural Interface System for Persons With Tetraplegia, Recruiting
- HNC: Human Neural Circuits Electrophysiology During Cognition, Recruiting
- SEEG-Guided DBS for OCD, Recruiting
- Understanding Ketamine's Dissociative Effects (KD Study), Recruiting

Teaching

COURSES

2025-26

- Data Best Practices: Basics: BIOS 436 (Spr)
- Data Best Practices: Basics: NSUR 286 (Win, Sum)
- Data Best Practices: Computation: BIOS 437 (Spr)
- Data Best Practices: Computation: NSUR 288 (Win, Sum)
- Quantitative Physiology: BIOE 300B (Aut)
- Research Data, Computation, & Visualization: BIOE 301P (Win)

2024-25

- Quantitative Physiology: BIOE 300B (Aut)
- Research Data, Computation, & Visualization: BIOE 301P (Win)

2023-24

- Diversity and Inclusion in STEMM: BIOS 225 (Spr)
- Quantitative Physiology: BIOE 300B (Aut)
- Research Data, Computation, & Visualization: BIOE 301P (Spr)

2022-23

- Quantitative Physiology: BIOE 300B (Aut)
- Research Data, Computation, & Visualization: BIOE 301P (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Benyamin Abramovich Krasa, Mary Kate Gale, Hannah Heigold, Tony Liu

Doctoral Dissertation Advisor (AC)

Muhammad Abdulla, Elizabeth Jun, Kenji Marshall, Alice Tor, Yuxin Wu

Doctoral (Program)

Emily Hagens, Hannah Heigold, Yasmine Kehnemouyi, Samuel King, Tony Liu, Akshita Rao, Gustavo Santiago-Reyes, Sherry Yang

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Bioengineering (Phd Program)
- Laboratory Animal Science (Masters Program)
- Medicine (Masters Program)
- Neurosciences (Phd Program)

Publications

PUBLICATIONS

- **Compression-Enabled Joint Entropy Estimation for Seizure Detection on Human Intracortical Electroencephalography** *IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING*
Yamada, L., Oskotsky, T., Nuyujukian, P.
2025; 72 (12): 3440-3452
- **Conserved brain-wide emergence of emotional response from sensory experience in humans and mice.** *Science (New York, N.Y.)*
Kauvar, I., Richman, E. B., Liu, T. X., Li, C., Vesuna, S., Chibukhchyan, A., Yamada, L., Fogarty, A., Solomon, E., Choi, E. Y., Mortazavi, L., Chau Loo Kung, G., Mukunda, et al
2025; 388 (6750): eadt3971
- **Ketamine Increases Theta Oscillations and Cortical Connectivity of the Human Hippocampus**
Solomon, E., Liu, T., Kauvar, I., Vesuna, S., Chibukhchyan, A., Yamada, L., Fogarty, A., Mukunda, P., Patron, K., Nuyujukian, P., Rodriguez, C., Buch, V., Deisseroth, et al
ELSEVIER SCIENCE INC.2025
- **Material Damage to Multielectrode Arrays after Electrolytic Lesioning is in the Noise.** *bioRxiv : the preprint server for biology*
Tor, A., Clarke, S. E., Bray, I. E., Nuyujukian, P.
2025
- **Classifying High-Frequency Oscillations by Morphologic Contrast to Background, With Surgical Outcome Correlates.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*
Qing, K., Von Stein, E., Yamada, L., Fogarty, A., Nuyujukian, P.
2024
- **Neuroelectrophysiology-compatible electrolytic lesioning.** *eLife*
Bray, I. E., Clarke, S. E., Casey, K. M., Nuyujukian, P.
2024; 12
- **A scalable platform for acquisition of high-fidelity human intracranial EEG with minimal clinical burden.** *PLoS one*
Yamada, L., Oskotsky, T., Nuyujukian, P.

2024; 19 (6): e0305009

- **Krishna V. Shenoy (1968-2023).** *Nature neuroscience*
Churchland, M. M., Nuyujukian, P.
2023
- **A markerless platform for ambulatory systems neuroscience.** *Science robotics*
Silvernagel, M. P., Ling, A. S., Nuyujukian, P., Brain Interfacing Laboratory
2021; 6 (58): eabj7045
- **Decoding and perturbing decision states in real time.** *Nature*
Peixoto, D., Verhein, J. R., Kiani, R., Kao, J. C., Nuyujukian, P., Chandrasekaran, C., Brown, J., Fong, S., Ryu, S. I., Shenoy, K. V., Newsome, W. T.
2021
- **Deep posteromedial cortical rhythm in dissociation.** *Nature*
Vesuna, S., Kauvar, I. V., Richman, E., Gore, F., Oskotsky, T., Sava-Segal, C., Luo, L., Malenka, R. C., Henderson, J. M., Nuyujukian, P., Parvizi, J., Deisseroth, K.
2020
- **Brain-machine interface cursor position only weakly affects monkey and human motor cortical activity in the absence of arm movements.** *Scientific reports*
Stavisky, S. D., Kao, J. C., Nuyujukian, P., Pandarinath, C., Blabe, C., Ryu, S. I., Hochberg, L. R., Henderson, J. M., Shenoy, K. V.
2018; 8 (1): 16357
- **An Open-Source Realtime Computational Platform (Short WIP Paper)**
Mehrotra, P., Dasgupta, S., Robertson, S., Nuyujukian, P.
ASSOC COMPUTING MACHINERY.2018: 109–12
- **Neural Population Dynamics Underlying Motor Learning Transfer** *NEURON*
Vyas, S., Even-Chen, N., Stavisky, S. D., Ryu, S. I., Nuyujukian, P., Shenoy, K. V.
2018; 97 (5): 1177+
- **Feasibility of Automatic Error Detect-and-Undo System in Human Intracortical Brain-Computer Interfaces.** *IEEE transactions on bio-medical engineering*
Even-Chen, N. n., Stavisky, S. D., Pandarinath, C. n., Nuyujukian, P. n., Blabe, C. H., Hochberg, L. R., Henderson, J. M., Shenoy, K. V.
2018; 65 (8): 1771–84
- **Cortical control of a tablet computer by people with paralysis.** *PloS one*
Nuyujukian, P., Albites Sanabria, J., Saab, J., Pandarinath, C., Jarosiewicz, B., Blabe, C. H., Franco, B., Mernoff, S. T., Eskandar, E. N., Simeral, J. D., Hochberg, L. R., Shenoy, K. V., Henderson, et al
2018; 13 (11): e0204566
- **A High-Performance Neural Prosthesis Incorporating Discrete State Selection With Hidden Markov Models** *IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING*
Kao, J. C., Nuyujukian, P., Ryu, S. I., Shenoy, K. V.
2017; 64 (4): 935-945
- **High performance communication by people with paralysis using an intracortical brain-computer interface.** *eLife*
Pandarinath, C., Nuyujukian, P., Blabe, C. H., Sorice, B. L., Saab, J., Willett, F. R., Hochberg, L. R., Shenoy, K. V., Henderson, J. M.
2017; 6
- **A Nonhuman Primate Brain-Computer Typing Interface** *PROCEEDINGS OF THE IEEE*
Nuyujukian, P., Kao, J. C., Ryu, S. I., Shenoy, K. V.
2017; 105 (1): 66-72
- **A Non-Human Primate Brain-Computer Typing Interface.** *Proceedings of the IEEE. Institute of Electrical and Electronics Engineers*
Nuyujukian, P., Kao, J. C., Ryu, S. I., Shenoy, K. V.
2017; 105 (1): 66-72
- **Clinical translation of a high-performance neural prosthesis.** *Nature medicine*

- Gilja, V., Pandarinath, C., Blabe, C. H., Nuyujukian, P., Simeral, J. D., Sarma, A. A., Sorice, B. L., Perge, J. A., Jarosiewicz, B., Hochberg, L. R., Shenoy, K. V., Henderson, J. M.
2015; 21 (10): 1142-1145
- **Single-trial dynamics of motor cortex and their applications to brain-machine interfaces** *NATURE COMMUNICATIONS*
Kao, J. C., Nuyujukian, P., Ryu, S. I., Churchland, M. M., Cunningham, J. P., Shenoy, K. V.
2015; 6
 - **Neural population dynamics in human motor cortex during movements in people with ALS** *ELIFE*
Pandarinath, C., Gilja, V., Blabe, C. H., Nuyujukian, P., Sarma, A. A., Sorice, B. L., Eskandar, E. N., Hochberg, L. R., Henderson, J. M., Shenoy, K. V.
2015; 4
 - **A high performing brain-machine interface driven by low-frequency local field potentials alone and together with spikes.** *Journal of neural engineering*
Stavisky, S. D., Kao, J. C., Nuyujukian, P., Ryu, S. I., Shenoy, K. V.
2015; 12 (3): 036009-?
 - **Comparison of spike sorting and thresholding of voltage waveforms for intracortical brain-machine interface performance.** *Journal of neural engineering*
Christie, B. P., Tat, D. M., Irwin, Z. T., Gilja, V., Nuyujukian, P., Foster, J. D., Ryu, S. I., Shenoy, K. V., Thompson, D. E., Chestek, C. A.
2015; 12 (1): 016009-?
 - **A High-Performance Keyboard Neural Prosthesis Enabled by Task Optimization** *IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING*
Nuyujukian, P., Fan, J. M., Kao, J. C., Ryu, S. I., Shenoy, K. V.
2015; 62 (1): 21-29
 - **Neural population dynamics in human motor cortex during movements in people with ALS.** *eLife*
Pandarinath, C., Gilja, V., Blabe, C. H., Nuyujukian, P., Sarma, A. A., Sorice, B. L., Eskandar, E. N., Hochberg, L. R., Henderson, J. M., Shenoy, K. V.
2015; 4
 - **Single-trial dynamics of motor cortex and their applications to brain-machine interfaces.** *Nature communications*
Kao, J. C., Nuyujukian, P., Ryu, S. I., Churchland, M. M., Cunningham, J. P., Shenoy, K. V.
2015; 6: 7759-?
 - **Performance sustaining intracortical neural prostheses.** *Journal of neural engineering*
Nuyujukian, P., Kao, J. C., Fan, J. M., Stavisky, S. D., Ryu, S. I., Shenoy, K. V.
2014; 11 (6): 066003-?
 - **Progress toward Robust, High-Performance Intracortically Controlled Point-and-Click Communication for People with Locked-In Syndrome**
Sarma, A. A., Jarosiewicz, B., Bacher, D., Pandarinath, C., Nuyujukian, P., Sorice, B. L., Blabe, C., Simeral, J. D., Donoghue, J. P., Mernoff, S., Cash, S. S., Eskandar, E. N., Shenoy, et al
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 - **A freely-moving monkey treadmill model.** *Journal of neural engineering*
D Foster, J., Nuyujukian, P., Freifeld, O., Gao, H., Walker, R., I Ryu, S., H Meng, T., Murmann, B., J Black, M., V Shenoy, K.
2014; 11 (4): 046020-?
 - **Information Systems Opportunities in Brain-Machine Interface Decoders** *PROCEEDINGS OF THE IEEE*
Kao, J. C., Stavisky, S. D., Sussillo, D., Nuyujukian, P., Shenoy, K. V.
2014; 102 (5): 666-682
 - **Self-recalibrating classifiers for intracortical brain-computer interfaces.** *Journal of neural engineering*
Bishop, W., Chestek, C. C., Gilja, V., Nuyujukian, P., Foster, J. D., Ryu, S. I., Shenoy, K. V., Yu, B. M.
2014; 11 (2): 026001-?
 - **Intention estimation in brain-machine interfaces.** *Journal of neural engineering*
Fan, J. M., Nuyujukian, P., Kao, J. C., Chestek, C. A., Ryu, S. I., Shenoy, K. V.
2014; 11 (1): 016004-?

- **Hybrid decoding of both spikes and low-frequency local field potentials for brain-machine interfaces.** *Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual Conference*
Stavisky, S. D., Kao, J. C., Nuyujukian, P., Ryu, S. I., Shenoy, K. V.
2014; 2014: 3041-3044
- **Investigating the role of firing-rate normalization and dimensionality reduction in brain-machine interface robustness.** *Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Conference*
Kao, J. C., Nuyujukian, P., Stavisky, S., Ryu, S. I., Ganguli, S., Shenoy, K. V.
2013; 2013: 293-298
- **Design and validation of a real-time spiking-neural-network decoder for brain-machine interfaces.** *Journal of neural engineering*
Dethier, J., Nuyujukian, P., Ryu, S. I., Shenoy, K. V., Boahen, K.
2013; 10 (3): 036008-?
- **A high-performance neural prosthesis enabled by control algorithm design** *NATURE NEUROSCIENCE*
Gilja, V., Nuyujukian, P., Chestek, C. A., Cunningham, J. P., Yu, B. M., Fan, J. M., Churchland, M. M., Kaufman, M. T., Kao, J. C., Ryu, S. I., Shenoy, K. V.
2012; 15 (12): 1752-1757
- **Neural population dynamics during reaching** *NATURE*
Churchland, M. M., Cunningham, J. P., Kaufman, M. T., Foster, J. D., Nuyujukian, P., Ryu, S. I., Shenoy, K. V.
2012; 487 (7405): 51-?
- **A recurrent neural network for closed-loop intracortical brain-machine interface decoders** *JOURNAL OF NEURAL ENGINEERING*
Sussillo, D., Nuyujukian, P., Fan, J. M., Kao, J. C., Stavisky, S. D., Ryu, S., Shenoy, K.
2012; 9 (2)
- **HermesE: A 96-Channel Full Data Rate Direct Neural Interface in 0.13 μ m CMOS** *IEEE JOURNAL OF SOLID-STATE CIRCUITS*
Gao, H., Walker, R. M., Nuyujukian, P., Makinwa, K. A., Shenoy, K. V., Murmann, B., Meng, T. H.
2012; 47 (4): 1043-1055
- **A framework for relating neural activity to freely moving behavior** *34th Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS)*
Foster, J. D., Nuyujukian, P., Freifeld, O., Ryu, S. I., Black, M. J., Shenoy, K. V.
IEEE.2012: 2736–2739
- **A brain machine interface control algorithm designed from a feedback control perspective** *34th Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS)*
Gilja, V., Nuyujukian, P., Chestek, C. A., Cunningham, J. P., Yu, B. M., Fan, J. M., Ryu, S. I., Shenoy, K. V.
IEEE.2012: 1318–1322
- **Long-term stability of neural prosthetic control signals from silicon cortical arrays in rhesus macaque motor cortex** *39th Neural Interfaces Conference (NIC2010)*
Chestek, C. A., Gilja, V., Nuyujukian, P., Foster, J. D., Fan, J. M., Kaufman, M. T., Churchland, M. M., Rivera-Alvidrez, Z., Cunningham, J. P., Ryu, S. I., Shenoy, K. V.
IOP PUBLISHING LTD.2011
- **A closed-loop human simulator for investigating the role of feedback control in brain-machine interfaces** *JOURNAL OF NEUROPHYSIOLOGY*
Cunningham, J. P., Nuyujukian, P., Gilja, V., Chestek, C. A., Ryu, S. I., Shenoy, K. V.
2011; 105 (4): 1932-1949
- **Combining Wireless Neural Recording and Video Capture for the Analysis of Natural Gait.** *International IEEE/EMBS Conference on Neural Engineering : [proceedings]. International IEEE EMBS Conference on Neural Engineering*
Foster, J. D., Freifeld, O., Nuyujukian, P., Ryu, S. I., Black, M. J., Shenoy, K. V.
2011; 2011: 613–16
- **Monkey Models for Brain-Machine Interfaces: The Need for Maintaining Diversity** *33rd Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS)*

- Nuyujukian, P., Fan, J. M., Gilja, V., Kalanithi, P. S., Chestek, C. A., Shenoy, K. V.
IEEE.2011: 1301–1305
- **A Brain-Machine Interface Operating with a Real-Time Spiking Neural Network Control Algorithm.** *Advances in neural information processing systems*
Dethier, J., Nuyujukian, P., Eliasmith, C., Stewart, T., Ellassaad, S. A., Shenoy, K. V., Boahen, K.
2011; 2011: 2213-2221
 - **Spiking Neural Network Decoder for Brain-Machine Interfaces** *5th International IEEE Engineering-in-Medicine-and-Biology-Society (EMBS) Conference on Neural Engineering (NER)*
Dethier, J., Gilja, V., Nuyujukian, P., Ellassaad, S. A., Shenoy, K. V., Boahen, K.
IEEE.2011: 396–399
 - **Combining Wireless Neural Recording and Video Capture for the Analysis of Natural Gait** *5th International IEEE Engineering-in-Medicine-and-Biology-Society (EMBS) Conference on Neural Engineering (NER)*
Foster, J. D., Freifeld, O., Nuyujukian, P., Ryu, S. I., Black, M. J., Shenoy, K. V.
IEEE.2011: 613–616
 - **Autonomous head-mounted electrophysiology systems for freely behaving primates** *CURRENT OPINION IN NEUROBIOLOGY*
Gilja, V., Chestek, C. A., Nuyujukian, P., Foster, J., Shenoy, K. V.
2010; 20 (5): 676-686
 - **Embedded Neural Recording With TinyOS-Based Wireless-Enabled Processor Modules** *IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING*
Farshchi, S., Pesterev, A., Nuyujukian, P., Guenterberg, E., Mody, I., Judy, J. W.
2010; 18 (2): 134-141
 - **Wireless Neural Recording With Single Low-Power Integrated Circuit** *IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING*
Harrison, R. R., Kier, R. J., Chestek, C. A., Gilja, V., Nuyujukian, P., Ryu, S., Greger, B., Solzbacher, F., Shenoy, K. V.
2009; 17 (4): 322-329
 - **HermesC: Low-Power Wireless Neural Recording System for Freely Moving Primates** *IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING*
Chestek, C. A., Gilja, V., Nuyujukian, P., Kier, R. J., Solzbacher, F., Ryu, S. I., Harrison, R. R., Shenoy, K. V.
2009; 17 (4): 330-338
 - **Neural Prosthetic Systems: Current Problems and Future Directions** *Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society*
Chestek, C. A., Cunningham, J. P., Gilja, V., Nuyujukian, P., Ryu, S. I., Shenoy, K. V.
IEEE.2009: 3369–3375
 - **Neural Prosthetic Systems: Current Problems and Future Directions**
Chestek, C. A., Cunningham, J. P., Gilja, V., Nuyujukian, P., Ryu, S. I., Shenoy, K. V., IEEE
IEEE.2009: 3369-3375
 - **HermesC: RF wireless low-power neural recording system for freely behaving primates** *IEEE International Symposium on Circuits and Systems*
Chestek, C. A., Gija, V., Nuyujukian, P., Ryu, S. I., Shenoy, K. V., Kier, R. J., Solzbacher, F., Harrison, R. R.
IEEE.2008: 1752–1755
 - **A Wireless Neural Interface for Chronic Recording** *IEEE Biomedical Circuits and Systems Conference - Intelligent Biomedical Systems*
Harrison, R. R., Kier, R. J., Kim, S., Rieth, L., Warren, D. J., Ledbetter, N. M., Clark, G. A., Solzbacher, F., Chestek, C. A., Gilja, V., Nuyujukian, P., Ryu, S. I., Shenoy, et al
IEEE.2008: 125–128
 - **Wireless neural signal acquisition with single low-power integrated circuit** *IEEE International Symposium on Circuits and Systems*
Harrison, R. R., Kier, R. J., Greger, B., Solzbacher, F., Chestek, C. A., Gija, V., Nuyujukian, P., Ryu, S. I., Shenoy, K. V.
IEEE.2008: 1748–1751
 - **Bi-Fi: An embedded sensor/system architecture for remote biological monitoring** *IEEE TRANSACTIONS ON INFORMATION TECHNOLOGY IN BIOMEDICINE*

Farshchi, S., Pesterev, A., Nuyujukian, P. H., Mody, I., Judy, J. W.
2007; 11 (6): 611-618

● **A TinyOS-enabled MICA2-based wireless neural interface** *IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING*

Farshchi, S., Nuyujukian, P. H., Pesterev, A., Mody, I., Judy, J. W.
2006; 53 (7): 1416-1424

● **A TinyOS-based wireless neural sensing, archiving, and hosting system** *2nd International IEEE/EMBS Conference on Neural Engineering*

Farshchi, S., Nuyujukian, P. H., Pesterev, A., Mody, I., Judy, J. W.
IEEE.2005: 671–674