



June, 2018

Honors and Awards

- Congratulations to MIT CSNE member Dr. Ann Graybiel for winning the 2018 Gruber Neuroscience Prize:
<http://news.mit.edu/2018/ann-graybiel-wins-gruber-neuroscience-prize-0516>

Upcoming Seminars, Lectures, Courses, Conferences

- Dr. Todd Woodward (Professor of Psychiatry, University of British Columbia) will present a seminar titled “Task-state functional brain networks detectable with fMRI,” June 6, 2018, WRF Data Science Studio Seminar Room (6th floor of Physics/Astronomy Tower), 11:30 am.
- Dr. Amy Bastian, Ph.D. (Professor of Neuroscience, Johns Hopkins University) will present a UW P BIO seminar titled “Learning and Relearning Movement,” June 7, 2018, UW HSB G-328, 9:30-10:30 am.
- Ethical Engineering: a workshop on June 18, 2018 in UW HUB 334 (1:00-5:30 pm) to discuss how to identify and respond to ethical issues in our work in neuroscience, engineering and data sciences. A speaker session will be followed by an interactive workshop. Registration is free: <http://compneuro.washington.edu/wordpress/ethics>
- Public Lecture: “The Neuroscience of Decision-Making: How We Make Decisions and How Those Decisions Go Wrong” by Dr. David Redish (Distinguished McKnight University Professor and J. B. Johnston Land Grant Chair in Neuroscience, Department of Neuroscience, University of Minnesota), June 27, 2018, UW Kane Hall 130, 7:00-8:30 pm.
- Fifth Annual Neurofutures Conference, June 28-29, 2018, University of Washington, Seattle. Register at: <https://riveraz.wixsite.com/neurofutures>

New CSNE Publications

- **Nimbalkar, S., Castagnola, E., Balasubramani, A., Scarpellini, A., Samejima, S., Khorasani, A., Boissenin, A., Thongpang, S., Moritz, C. and Kassegne, S.,** Ultra-Capacitive Carbon Neural Probe Allows Simultaneous Long-Term Electrical Stimulations and High-Resolution Neurotransmitter Detection, *Scientific Reports*, 8: 6958 (2018), doi:10.1038/s41598-018-25198-x
- **Mondello, S.E., Sunshine, M.D., Fishedick, A.E., Dreyer, S.J.,** Horwitz, G.D., **Anikeeva, P.,** Horner, P.J. and **Moritz, C.T.,** Optogenetic surface stimulation of the rat cervical spinal cord, *J Neurophysiol.* 2018 May 2; doi: 10.1152/jn.00461.2017.
- Swann, N.C., de Hemptinne, C., **Thompson, M.C.,** Miocinovic, S., Miller, A.M., Gilron, R., Ostrem, J.L., **Chizeck, H.J.,** and Starr, P.A., Adaptive deep brain stimulation for



Parkinson's disease using motor cortex sensing, May 9, 2018, Journal of Neural Engineering, Volume 15, Number 4.

- Guler, S., Dannhauer, M., Roig-Solvas, B., Gkogkidis, A., Macleod, R., Ball, T., **Ojemann J.G.** and Brooks, D.H., Computationally optimized ECoG stimulation with local safety constraints. Neuroimage, 173:35-48, 2018.
- **Casimo, K.**, Grassia, F., Poliachik, S.L., Novotny, E., Poliakov, A. and **Ojemann, J.G.**, Preservation of electrophysiological functional connectivity after partial corpus callosotomy: case report. J Neurosurg Pediatr. 2018 May 18:1-6. doi: 10.3171/2018.2.PEDS17549.

CSNE in the News

- **Tim Brown**, a graduate student in the Department of Philosophy and member of the CSNE Neuroethics Team, is profiled in the May 1, 2018, issue of Brainstorm, a publication of the Neuroethics Research Unit at the IRCM.

Recent Papers of Interest to the CSNE Community

- Perdakis, S., Tonin, L., Saeedi, S., Schneider, C. and del R. Millán, J., The Cybathlon BCI race: Successful longitudinal mutual learning with two tetraplegic users. PLOS Biology, 2018; 16 (5): e2003787 DOI: 10.1371/journal.pbio.2003787.
- Lázaro-Muñoz, G., Yoshor, D., Beauchamp, M.S., Goodman, W.K. and McGuire, A.L., Continued access to investigational brain implants, Nature Reviews Neuroscience 19, 317–318 (2018); DOI:10.1038/s41583-018-0004-5.
- Michelson, N.J., Vazquez, A.L., Eles, J.R., Salatino, J.W., Purcell, E.K., Williams, J.J., Cui, X.T., and Kozai, T.D.Y., Multi-scale, multi-modal analysis uncovers complex relationship at the brain tissue-implant neural interface: new emphasis on the biological interface, April 6, 2018, J. Neural Engineering, Volume 15, Number 3.
- Musselman, K.E., Shah, M. and Zariffa, J., Rehabilitation technologies and interventions for individuals with spinal cord injury: translational potential of current trends, J. NeuroEngineering and Rehabilitation, (2018) 15:40, <https://doi.org/10.1186/s12984-018-0386-7>

Grant and Funding Opportunities

- BRAIN Initiative: Exploratory Team-Research BRAIN Circuit Programs – eTeamBCP <https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-18-029.html>

Job Opportunities

- The Washington Research Foundation is now accepting applications for postdoctoral Fellowships to support STEM research at nonprofit institutions in Washington state, with



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- Postdoctoral position in brain-computer interfaces in the research group of Dr. Tomislav Milekovic at the University of Geneva. Work involves restoring communication and independence of people with tetraplegia and locked-in syndrome using brain-computer interfaces. For more details, contact Dr. Milekovic: tomislav.milekovic@unige.ch
- NIH Program Officer (Computational Neuroscience and Electrophysiology): Interested candidates should contact Dr. Michele Ferrante (ferranem@nih.gov) for guidance.
- NSF Program Officer (Cognitive Neuroscience);
<https://www.usajobs.gov/GetJob/ViewDetails/497617800>

Please send additional news and events items for inclusion in this newsletter to Dr. Eric Chudler (CSNE, Executive Director) at chudler@uw.edu.