



April, 2018

Honors and Awards

- **Kaitlyn Casimo** (Ojemann Lab) was named to the Husky 100: <https://www.washington.edu/husky100/blog/announcing-the-2018-husky-100/>
- Congratulations to **Brian Mogen** (Fetz Lab) who successfully defended his Ph.D. dissertation.
- Congratulations to graduate student **Kathrine Pratt** (Chizeck Lab) for passing her general examination at the University of Washington.
- Congratulations to graduate student **Nile Wilson** (GRID Lab; Ojemann/Rao) for passing her general examination at the University of Washington.
- **Preston Jiang** (Rao Lab) received a Computing Research Association 2018 Outstanding Undergraduate Researcher Award.
- Team **Os(eye)ris** won the 2018 University of Washington Neural Engineering Tech Studio competition at the CSNE. Os(eye)ris is a platform that helps people who are visually-impaired find objects at home.

Upcoming Seminars, Lectures, Courses, Conferences

- **Dr. Howard Chizeck** will present a Computational Neuroscience Seminar in the Computational Neuroscience Center (HSB G207) on April 4, 2018, at 3:30 pm.
- UW Graduate Program in Neuroscience Seminar, **Dr. Shawn Olsen** (Assistant Investigator, Allen Institute for Brain Science; Affiliate Assistant Professor, Physiology & Biophysics, UW), "Large-scale neuroscience for understanding circuits mediating cortical computation": Monday, April 2, 2018, 3:30-4:40 pm., Health Sci Bldg., Room T-747.
- Grey Matters, "**Evening with Neuroscience**," April 13, 2018, 7:30-9:30 pm, Kane 130, University of Washington.
- **Organization for Computational Neurosciences** meeting, July 13-18, 2018, Seattle, WA: <http://www.cnsorg.org/cns-2018>

New CSNE Publications

- Remington, E.D., Narain, D., Hosseini, E. and **Jazayeri, M.**, Flexible sensorimotor computations through rapid reconfiguration of cortical dynamics, bioRxiv 261214; doi: <https://doi.org/10.1101/261214>



- Chang, C-J. and **Jazayeri, M.**, Integration of speed and time for estimating time to contact, Proceedings of the National Academy of Sciences Mar 2018, 201713316; DOI: 10.1073/pnas.1713316115
- **Gilbert, F.**, O'Brien, T., and Cook, M., The effects of closed-loop brain implants on autonomy and deliberation. What are the risks of being kept in the loop? Cambridge Quarterly of Healthcare Ethics, 27:316–325, 2018.
- Viana, J.M.N. and **Gilbert, F.**, Deep brain stimulation for people with Alzheimer's disease: Anticipating potential effects on the tripartite self, Dementia: International journal of social research and practice, in press.
- **Canales, A., Park, S.**, Kiliyas, A. and **Anikeeva, P.**, Multifunctional fibers as tools for neuroscience and neuroengineering, Acc Chem Res. 2018 Mar 21. doi: 10.1021/acs.accounts.7b00558.

CSNE in the News

- A meeting of minds
<https://www.engr.washington.edu/news/article/2018-03-05/a-meeting-of-minds>
- High school teachers to share their neural engineering lesson plans nationally
<http://csne-erc.org/feature-stories/high-school-teachers-share-their-neural-engineering-lesson-plans-nationally>
- UW students compete to invent neural engineering technology with potential for real-world impact
<http://www.csne-erc.org/feature-stories/uw-students-compete-invent-neural-engineering-technology-potential-real-world-impact>
- An Extravaganza of Brains Greets Kids at UW Brain Awareness Week Event
<http://depts.washington.edu/mbwc/news/article/brain-awareness-week-at-uw>

Recent Papers of Interest to the CSNE Community

- Tybrandt, K., Khodagholy, D., Dielacher, B., Stauffer, F., Renz, A.F., Buzsáki, G. and Vörös, J., High-Density Stretchable Electrode Grids for Chronic Neural Recording. Advanced Materials, 2018; 1706520 DOI: 10.1002/adma.201706520
- Marasco, P.D., Hebert, J.S., Sensinger, J.W., Shell, C.E., Schofield, J.S., Thumser, Z.C., Nataraj, R., Beckler, D.T., Dawson, M.R., Blustein, D.H., Gill, S., Mensh, B.D., Granja-Vazquez, R., Newcomb, M.D., Carey, J.P. and Orzell, B.M., Illusory movement perception improves motor control for prosthetic hands, Science Translational Medicine, March 14, 2018.
- Tahernezhad-Javazm, F., Azimirad, V. and Shoaran, M., A review and experimental study on the application of classifiers and evolutionary algorithms in EEG-based brain-machine interface systems, J. Neural Engineering, Volume 15, Number 2.



Grant and Funding Opportunities

- BRAIN Initiative: New Concepts and Early - Stage Research for Large - Scale Recording and Modulation in the Nervous System:
<https://grants.nih.gov/grants/guide/rfa-files/RFA-EY-18-001.html>
- BRAIN Initiative: Optimization of Transformative Technologies for Large Scale Recording and Modulation in the Nervous System (U01-Clinical Trials Not Allowed) (RFA-NS-18-019):
<https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-18-019.html>
- BRAIN Initiative: New Technologies and Novel Approaches for Large-Scale Recording and Modulation in the Nervous System (R01 Clinical Trials Not Allowed) (RFA-NS-18-020):
<https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-18-020.html>
- Whitehall Foundation:
<http://www.whitehall.org/grants/>

Job Opportunities

- Postdoc in Machine Learning, Radboud University, Netherlands:
http://www.ru.nl/werken/details/details_vacature_0/?recid=600899
- Faculty position in Brain Stimulation, Stanford University:
http://med.stanford.edu/content/dam/sm/psychiatry/documents/about_us/FacultyJobs/BrainStimulation.pdf
- Postdoc in Clinical Neuroengineering, University of Geneva:
<https://drive.switch.ch/index.php/s/GUmf8l7fkYUXCyh#pdfviewer>

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