

Lyndon Duong

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EDUCATION	Doctor of Philosophy , Neural Science New York University, New York, NY, USA Thesis: Models of statistical adaptation in neural circuits Advisors: Eero Simoncelli, David Heeger	Current
	Master of Science , Physiology and Pharmacology University of Western Ontario, London, ON, Canada Thesis: A normalization circuit of attention in primate lateral prefrontal cortex Advisor: Julio Martinez-Trujillo	Jun 2018
	Bachelor of Science , Joint Major in Physiology and Physics McGill University, Montreal, QC, Canada Dean's Multidisciplinary Undergraduate Research List	May 2014
WORK EXPERIENCE	Manager, Projects and Operations Ben Graham Centre for Value Investing, Ivey Business School <ul style="list-style-type: none">Perform equity valuations and write quarterly reports for endowed investment fundAnalyze large financial datasets for behavioural finance academic study	Sep 2016 – Jun 2018
RESEARCH EXPERIENCE	Graduate Researcher Department of Physiology and Pharmacology, University of Western Ontario Supervisor: Julio Martinez-Trujillo, MD, PhD	Jan 2015 – Jun 2018
	Undergraduate Research Assistant Department of Physiology, McGill University Supervisor: Julio Martinez-Trujillo, MD, PhD	Sep 2013 – May 2014
	Undergraduate Research Assistant Department of Physics, McGill University Supervisor: Walter Reisner, PhD	May 2013 – Sep 2014
TEACHING EXPERIENCE	Graduate Teaching Assistant NEURL-GA.2201 - Mathematical Tools for Neural and Cognitive Science <ul style="list-style-type: none">Center for Neural Science, New York University	Sep 2019 – Dec 2019
	Graduate Teaching Assistant Physiology 3130z - Physiology Laboratory <ul style="list-style-type: none">Nominated for Graduate Student Teaching AwardDepartment of Physiology and Pharmacology, University of Western Ontario	Sep 2015 – Apr 2016
ACTIVITIES & ORGANIZATIONS	English Conversation Program Leader International and Exchange Student Centre, Univ. Western Ontario <ul style="list-style-type: none">Awarded Certificate of ExcellenceTaught English and North American culture to groups of International students	Jan 2015 – Jun 2016
	Head Student Newsletter Editor Ben Graham Centre for Value Investing <ul style="list-style-type: none">Led small group in creating & editing biannual investment newsletter	Jan 2015 – Jul 2016

REFEREED JOURNAL PUBLICATIONS

1. Gulli, R.A., **Duong, L.**, Corrigan, B.W., Doucet, G., Williams, S., Fusi, S., Martinez-Trujillo, J.C. “Flexible coding of memory and space in the primate hippocampus during virtual navigation”, *Nature Neuroscience* vol. 23: 103–112, 2020.
2. Doucet, G., Corrigan, B.W., Gulli, R.A., **Duong, L.**, A., Martinez-Trujillo, J.C. “Modulation of local field potentials and neuronal activity in primate hippocampus during saccades.” *Hippocampus*; 30: 192– 209, 2020.
3. **Duong, L.**, Leavitt, M.L., Pieper, F., Sachs, A., Martinez-Trujillo, J.C. “A normalization circuit in the lateral prefrontal cortex facilitates competitive interactions between neurons during the allocation of attention.” *eNeuro* vol. 6,2 ENEURO.0301-18.2019. 15 Apr. 2019.
4. Klotz, A.R., **Duong, L.**, Mamaev, M., de Haan, H., Chen, J., Reisner, W. “Measuring the confinement free energy and effective width of single polymer chains via single molecule tetris.” *Macromolecules*, 48(13), 4742-4747, 2015.
5. Klotz, A.R., Mamaev, M., **Duong, L.**, de Haan, H., Reisner, W. “Correlated Fluctuations of DNA Between Nanofluidic Entropic Traps.” *Macromolecules*, 48 (14), 5028-5033, 2015.

PRESENTATIONS

Oral

1. **Duong, L.**, Leavitt, M.L., Pieper, F., Sachs, A., Martinez-Trujillo, J.C., “Ensemble coding of spatial working memory and attention in primate lateral prefrontal cortex.” Society for Neuroscience. San Diego, CA, USA. November 2018.
2. Martinez-Trujillo, J.C., **Duong, L.**, Abbass, M., Pieper, F., Sachs, A., “Temporal ensemble code of visuospatial attention in primate lateral prefrontal cortex.” Society for Neuroscience. Washington D.C., USA. November 2017.

Posters

1. **Duong, L.**, Gulli, R.A., Corrigan, B.W., Leavitt, M.L., Doucet G., Sachs, A., Martinez-Trujillo, J.C. “Lateral prefrontal cortex single neuron and ensemble activity during associative learning in virtually navigating primates.” Society for Neuroscience. Washington D.C., USA. November 2017.
2. **Duong, L.**, Abbass, M., Pieper, F., Sachs, A., Martinez-Trujillo, J.C. “Neural network properties are dynamically modulated by attention in primate lateral prefrontal cortex.” Society for Neuroscience. San Diego, CA, USA. November 2016.
3. **Duong, L.**, Leavitt, M.L., Pieper, F., Sachs, A., Martinez-Trujillo, J.C. “Construction of neural ensembles for optimal decoding of attention in primate prefrontal cortex.” Center for Visual Science Symposium: The Future of Attention. Rochester, NY, USA. May 2016.
4. **Duong, L.**, Pieper, F., Sachs, A., Martinez-Trujillo, J.C. “Effects of neural ensemble size and composition on the decoding of attention in primate lateral prefrontal cortex.” Vision Sciences Society. St. Pete Beach, FL, USA. May 2016.
5. **Duong, L.**, Abbass, M., Pieper, F., Sachs, A., Martinez-Trujillo, J.C. “Attention and normalization in area 8a of the primate dorsolateral prefrontal cortex are cell type dependent.” Society for Neuroscience. Chicago, IL, USA. October 2015.
6. **Duong, L.**, Tremblay, S., Pieper, F., Martinez-Trujillo, J.C. “Correlation between the effects of attention and response normalization in prefrontal area 8A neurons shows cell type dependence.” Vision Sciences Society. St. Pete Beach, FL, USA. May 2015.