

Nhat Minh Le

Massachusetts Institute of Technology – Department of Brain and Cognitive Sciences

77 Massachusetts Avenue, 46-6227

Cambridge, MA 02139

Phone: 617 – 230 – 8199

Email: nmle@mit.edu

EDUCATION

2017 – present **PhD Student, Brain and Cognitive Sciences**

Massachusetts Institute of Technology, Cambridge MA, GPA: 5.0/5.0

2017 **BS, Biology and Computer Science (minor)**

California Institute of Technology, Pasadena CA, GPA: 4.2/4.3

2012 **GCE A-levels**

National Junior College, Singapore

PUBLICATIONS

Conferences and Presentations

Egger, S.W., **Le, M.N.**, Jazayeri, M. A neurally inspired circuit model for human sensorimotor timing. Cosyne poster, 2019.

Egger, S.W., **Le, M.N.**, Jazayeri, M. On the capacity of recurrent inhibition models for Bayesian updating and control of behavior. Society for Neuroscience poster, 2018.

Le, M.N., Velho, T., Lois, C. Computational tools for behavioral analysis of zebra finch *Attractin* mutants. Caltech Summer Undergraduate Research Fellowship Seminar Day, 2016.

Le, M.N., Sato, T., Tsao, D.Y. Widefield imaging of the mouse visual cortex. Caltech Summer Undergraduate Research Fellowship Seminar Day, 2015.

AWARDS AND HONORS

2019 Walle Nauta Award for Excellence in Graduate Teaching

2018 Anne and Paul Marcus Fellowship Fund to Honor Norman B. Leventhal (1938), MIT

2018 Henry Singleton (1940) Presidential Fellowship, MIT

2016 Zhu-Teng Scholarship, Caltech

2016 Maria Chan Fellowship for Summer Undergraduate Research, Caltech

2015 Thomas Hunt Morgan Fellowship for Summer Undergraduate Research, Caltech

2013 - 2015 Chang Milton & Rosalind Scholarship, Caltech

TEACHING EXPERIENCE

- 2018** **Teaching Assistant**, *9.520 Statistical Learning Theory and Applications, Fall 2018*
- 2018** **Mentor**, *Mass and Science Summer Program, Hanoi, Vietnam.*
Summer program in biology for Vietnamese high school students.
Designed curriculum and experiments to introduce students to synthetic biology and bioinformatics.
- 2018** **Mentor**, *ETEST Summer Neuroscience Camp, Ho Chi Minh City, Vietnam*
Taught introductory neuroscience to high school Vietnamese students for 2 weeks.
- 2013 – 2017** **Tutor**, *Caltech RISE tutoring program*
Weekly tutoring sessions for high school students in the Pasadena Unified School District.
Provided support for math and science classes.
- 2014 – 2017** **Tutor**, *Caltech Dean's Tutoring program*
Tutoring program for Caltech undergraduates.
Since September 2015: Coordinator of Physics mentoring sessions for Caltech freshmen.
- 2015 – 2017** **Instructor**, *Veteran Students tutoring program at Pasadena Community College.*
Academic assistance for veterans who continued their education at PCC.
Weekly meetings and exam preparation.
- 2014, 2015, 2016** **Event supervisor**, *Southern Science Olympiad Tournament*
Supervised events at the annual Regional and State competitions.
Events supervised include: Simple Machines, Bottle Rocket, Compound Machines, Green Generation.

RESEARCH EXPERIENCE

- 2018 – present** **PhD student**, *Prof. Mriganka Sur's lab, MIT*
Current research focus: recurrent interactions between cingulate cortex and visual cortex in a sensorimotor decision-making task.
- 2015 – 2017** **Undergraduate Researcher**, *Prof. Carlos Lois's lab, Caltech*
Research focused on studying mechanisms of vocal learning in zebra finches using spectral analysis of songs and behavioral experiments.
- 2014 – 2015** **Undergraduate Researcher**, *Prof. Doris Tsao's lab, Caltech*
Research focused on studying object representation in the mouse visual system using behavioral experiments and two-photon calcium imaging.
- 2011 – 2012** **Research Student**, *Agency for Science, Technology and Research, Singapore*
Research focused on magnetic properties of cobalt nanoparticles on CaF₂ surface.

SERVICE AND NON-ACADEMIC WORK

2018 Co-organizer, MIT Computational Neuroscience Journal Club for graduate students

2014 – 2017 **Associate Editor**, *Caltech Undergraduate Research Journal*.

Content-editing of scientific journal articles contributed by Caltech students.

Conducted interviews with professors to feature their research and interests.

2016 – 2017 **Committee member**, *Biology Option Committee, Caltech*

2015 **Student Observer**, *Caltech Medical Preceptorship Program, Children's Hospital of Los Angeles*.
