YING LIN
Curriculum Vitae

University of Rochester | 204 Meliora Hall, Rochester NY 14623
Department of Brain and Cognitive Sciences | Center for Visual Science
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EDUCATION

Ph.D., **University of Rochester**, Rochester, NY   August 2018 – expected June 2023
Brain and Cognitive Sciences (BCS) | Advisor: Dr. Duje Tadin

Neuromatch Academy (NMA)   Summer 2022
Summer program in Computational Neuroscience

B.A., Colgate University, Hamilton, NY   August 2011 – May 2015
Neuroscience and Honors in Japanese | Advisors: Drs. Jun Yoshino, Spencer Kelly, & Yukari Hirata

Kyoto Japanese Language School (KJLS), Kyoto, Japan   August 2014-December 2014
Colgate University cultural study group to Japan | Advisor: Dr. Kristina Vassil

AWARDS, HONORS, AND SCHOLARSHIPS

NIH F31-diversity fellowship, funding decision pending council review	2022
Edward Peck Curtis Award for Excellence in Teaching by Graduate Student	2022
National Eye Institute Early Career Scientist Travel Grant for Vision Science Society (VSS)	2022
NIH T32 Center for Visual Science (CVS) traineeship	2020- 2022
Elsevier/Vision Research Travel Award for Vision Science Society (VSS)	2020; 2021
NSF Research Traineeship Data-Enabled Science and Engineering (NRT-DESE)	2018-2020
Office for Undergraduate Studies (OUS) Scholar, Colgate University	2011- 2015
Undergraduate summer research funding, Colgate University	2013; 2014
Non-profit organization scholarship - *Do Something*	2011
Graphics design competition ($1000 towards tuition)	

TEACHING EXPERIENCE

Guest lecturer (PSY 502: Cognitive Foundations of Behavior), University of Rochester	Fall 2022
Instructor (BCS 111: Foundations of Cognitive Science), University of Rochester	Summer 2022
Co-instructor (BCS 204: Lab in fMRI & EEG), University of Rochester	Fall 2021
Guest lecturer (BCS 310: Senior seminar), University of Rochester	Fall 2021
Teaching Assistant (BCS 153: Cognition), University of Rochester	Spring 2021
Teaching Assistant (BCS 111: Foundations of Cognitive Science), University of Rochester	Fall 2019

PUBLICATIONS

* =equal contribution

In preparation

1. **Lin, Y.*,** Chen, Z.*, Reynoso, J.G., Haefner, R.M., & Tadin, D. A unifying framework for perceptual decision-making.
2. **Lin, Y.,** & Tadin, D. Understanding perceptual decision making across the lifespan.

Published articles

1. Rooks, B., Anthony, M., Chen, Q., **Lin, Y.,** Baran, T., Zhang, Z., Lichtenberg, P., & Lin, F. (2020). A generic brain connectome map linked to different types of everyday decision-making in old age. *Brain Structure and Function,* 1389-1400

2. Wang, Y., Metoki, A., Smith, D., Medaglia, J., Zang, Y., Benear, S., **Lin, Y**., & Olson, I.R. (2020). Multimodal Mapping of the Face Connectome. *Nature Human Behaviour*, 1-15

3. **Lin, Y.,** & Tadin, D. (2019). Motion perception: Slow Development of Center-Surround Suppression. *Current Biology,* 29: R878–R880

4. Ngo, C.T.*, **Lin, Y.***, Newcombe, N.S., & Olson, I.R. (2019). Building up and wearing down episodic memory: Relational memory and pattern separation. *Journal of Experimental Psychology: General 148(9)*, 1463-1479

5. Ren, K.*, **Lin, Y.***, Gunderson, E.A. (2019). The role of inhibitory control in strategy change: The case of linear measurement. *Developmental Psychology 55(7),* 1389-1399

TALKS

1. *Estimating decision time in perceptual decision making.* Vision Science Society (May, 2021)

2. *Duration threshold: A new way of measuring decision-making.* University of Rochester Brain and Cognitive Sciences department NRT mini-conference (September, 2019), Rochester, NY.

3. *Episodic memory across the lifespan.* Temple University Osher Lifelong Learning Center (OLLI) summer cafe series (July, 2018), Philadelphia, PA

4. *Tracking the relative development of relational memory and pattern separation*. Eastern Psychological Association (March, 2017), Boston, MA.

5. *Social Learning of food preferences in Zebra Finches*. Formal presentation to all summer research students and professors at Colgate University (August, 2013), Hamilton, NY.

POSTERS

*=equal contribution

1. **Lin, Y. *,** Chen, Z.*, Reynoso, J.G., Haefner, R.M., & Tadin, D. (October 2022). *A unifying framework for perceptual decision-making.* Optica Fall Vision Meeting (FVM), Rochester, NY

2. Reynoso, J.G., **Lin, Y.,** & Tadin.D. (August 2022). *Mechanisms of perceptual decision-making.* University of Rochester NeuroCity summer poster session.

3. **Lin, Y.*,** Chen, Z.*, Haefner, R.M., & Tadin, D. (May 2022). *Moving toward a unifying framework for perceptual decision making that combines threshold and reaction time approaches.* Vision Science Society, Tampa, FL

4. **Lin, Y.,** & Tadin, D. (May 2020). *Duration threshold: A new approach to estimate decision-making time.* Virtual - Vision Science Society

5. Nazareth A., **Lin, Y**., & Newcombe, N.S. (June, 2018). *Spatial navigation in normal aging.* Interdisciplinary Navigation Symposium (iNav), Quebec, Canada.

6. Nair, R., **Lin, Y.,** Xing, D., Nazareth, A., & Newcombe, N.S. (April, 2018). *Effects of aging on spatial navigation skills*. Temple University Research Forum, Philadelphia, PA

7. **Lin, Y.,** Ren, K., & Gunderson, E.A. (October, 2017). *Inhibitory control predicts improvement in elementary school students' measurement strategies.* Cognitive Developmental Society, Portland, OR.

8. Ren K., **Lin, Y.,** & Gunderson, E.A. (October, 2017). *Inhibitory control and the development of fraction concepts: The role of the whole-number bias.* Cognitive Developmental Society (CDS), Portland, OR.

9. Ngo, C.T., **Lin, Y.**, Olson, R.I., & Newcombe, N.S. (October, 2017). *Relational memory and Pattern Separation across the Life Span.* Flux Society, Portland, OR.

10. **Lin, Y.,** Nazareth, A., Do, A., Haj, R., & Newcombe, N.S. (April, 2017). *The developmental origins of cognitive mapping: Age-related changes in spatial navigation studied in a virtual environment*. Society for Research in Child Development (SRCD), Austin, TX.

11. Ngo, C.T., **Lin, Y**., Newcombe, N.S., & Olson, I.R. (November, 2016). *Tracking the relative development of relational memory and pattern separation*. Psychonomics, Boston, MA.

12. **Lin, Y**., Brown, R.L., & Gunderson, E.A. (September, 2016). *Mental rotation and verbal confounding: Comparing the relations of different mental rotation tasks to early arithmetic calculation*. International Mind, Brain, and Education Society (IMBES), Toronto, Canada.

13. Gunderson, E.A., Hildebrand, L., Black, C., **Lin, Y**., & Hamdan, N. (August, 2016). *Development of gender differences in number line estimation, but not spatial skills.* Spatial Cognition, Philadelphia, PA.

14. **Lin, Y**., Ngo, C.T., Newcombe, N.S., & Olson, I.R. (March, 2016). *Remembering things together and apart: The development of memory discrimination and associative memory in young children.* Eastern Psychology Association (EPA), New York, NY.

15. Tesfaye, S.*, **Lin, Y**.*, & Kelly, S. (May, 2015). *Gesture & Race: Does implicit bias drive evaluations of both in-group and out-group member?* Psychology senior thesis poster session, Hamilton, NY.

16. Rodowsky, E.*, Yandulskaya, A.*, Yarrington, J.*, **Lin, Y.***, & Braaten, R. (August, 2014). *Conformity in Zebra Finches through food preferences*. Colgate Undergraduate Symposium, Hamilton, NY.

RESEARCH EXPERIENCE

Lab Manager (LM) & Research Assistant (RA), Temple University   August 2015- July 2018
- LM: *Cognition and Learning Lab* | PI: Dr. Elizabeth Gunderson
- LM: *Spatial Intelligence Learning Center (SILC)* and *Infant and Child Lab* | PI: Dr. Nora Newcombe
- RA: *Cognitive Neuroscience Lab* | PI: Dr. Ingrid Olson and Postdoc: Dr. Yin Wang

Neuroscience Senior Thesis, Colgate University   Spring 2015
- Project: Gesture & Race: Does Implicit Bias Drive Evaluations of Both In-group and Out-group Members? | Advisor: Dr. Spencer Kelly

Research Assistant, Colgate University   Summer 2013-Fall 2013; Summer 2014
- Project: Social conformity in zebra finches through food preferences | Advisor: Dr. Richard Braaten

WORK EXPERIENCE

Exam Proctor, Columbia University, New York NY	Winter 2021, Spring 2022
Wyzant Tutor (Japanese, Chinese, and Elementary school math), Philadelphia PA	2015-2018
Librarian Assistant, Cooley Science Library, Colgate University, Hamilton NY	2011-2015
Student Activities Sound Assistant, Colgate University, Hamilton NY	Spring 2015
Native American Arts Museum Monitor, Colgate University, Hamilton NY	Spring 2014
Animal Lab Caretaker, Colgate University, Hamilton NY	Fall 2013
Intern, Office for Undergraduate Studies, Colgate University, Hamilton NY	2012-2013
Intern, Dr. Jade Hon, Neurology Clinic, Flushing NY	Summer 2012
Summer school tutor, **MC Academy,** Flushing NY	Summer 2012

MENTORSHIP & OUTREACH

Meliora Mentor	Summer 2021- Fall 2022
BCS & Neuroscience Undergraduate Council outreach	Fall 2020-Spring2021

Direct Mentoring of Undegraduate Students:
University of Rochester (2021-present): Jaclyn Dron, Yunlong (Draco) Xu, Jose Reynoso
Temple University (2015-2018): Dylan Xing, Refa Haj, RJ Nair, Jae Sung, Riley Brown

SKILLS

Languages: Fluent in English and Mandarin Chinese, intermediate proficiency in Japanese
Software: Python, Jupyter Lab/Notebook, MATLAB, R studio, R Shiny, IBM SPSS, Adobe Livecycle, Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro, Psychtoolbox, HTML, CSS, Git & Github
Certifications: MRI safety

AFFILIATIONS

Vision Science Society (VSS), University of Rochester Center for Visual Science (CVS)