Jeremy R. Manning, Ph.D.
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Employment

Associate Professor, **Dartmouth College**, Hanover, NH (2024 –)
Department of Psychological and Brain Sciences
Additional affiliation: Cognitive Science
Tenured: 2024

Assistant Professor, **Dartmouth College**, Hanover, NH (2015 – 2024)
Department of Psychological and Brain Sciences
Additional affiliation: Cognitive Science
Reappointed: 2018

Postdoctoral Research Associate, **Princeton University**, Princeton, NJ (2011 – 2015)
Princeton Neuroscience Institute and Department of Computer Science
Advisors: Kenneth Norman, Ph.D. and David Blei, Ph.D.

Education

Ph.D. in Neuroscience, **University of Pennsylvania**, Philadelphia, PA (2011)
Advisor: Michael Kahana, Ph.D.
Dissertation: *Acquisition, storage, and retrieval in digital and biological brains*

B.S. in Neuroscience (High honors, *Magna cum laude*), **Brandeis University**, Waltham, MA (2006)
Advisor: Robert Sekuler, Ph.D.
Dissertation: *Modeling human spatial navigation using a degraded ideal navigator*

B.S. in Computer Science (*Magna cum laude*), **Brandeis University**, Waltham, MA (2006)

Grants, honors, and awards (selected)

19. John M. Manley Huntington Award for Newly Tenured Faculty (2024)
    Awarded to recently tenured Dartmouth faculty members who have an outstanding record of teaching and research

18. CompX Faculty Grant (2024): Developing the next generation of multi-scale large language models
    Award amount: $15,000; Role: PI

17. NSF CAREER Award (2022): Mapping and enhancing the acquisition of conceptual knowledge using behavior, neural signals, and natural language processing models
    Award amount: $881,612; Role: PI

16. Elected member, Memory Disorders Research Society (2021)

15. NIMH Grant (2021): Serotonin modulation of the development of neural circuits underlying reward processing and impulsivity in adolescents
    Award amount: $568,974; Role: Co-I (PI: Katherine Nautiyal)

14. NIH Grant Supplement (2019): Dissecting serotonergic and dopaminergic contributions to the neural circuits underlying impulsive behavior
    Award amount: $93,190; Role: Co-I (PI: Katherine Nautiyal)

13. National Institute on Drug Abuse Center for Technology and Behavioral Health Pilot Grant (2019): Linking mental health and exercise via remote sensing
    Award amount: $20,000; Role: Co-PI (PI: David Bucci; Co-PI: Lorie Loeb)

12. Dartmouth Junior Faculty Fellowship (2018)

11. Walter and Constance Burke Research Initiation Award (2018)
    Award amount: $25,000; Role: PI

10. DARPA Grant: Memory Enhancement with Modeling (MEM; 2018)
    Award amount: $55,558; Role: PI (sub-award of DARPA RAM N66001-14-2-4-032)

9. i-CORPS Pilot Grant: Developing a mobile device for estimating dynamic attention states (2018).
    Award amount: $3,000; Role: Co-PI (PI: Peter Tse)

8. Diamond Research Development Award (2017): Improving memory and context reinstatement at perceptual event boundaries
    Award amount: $199,997; Role: Co-PI (PI: Barbara Jobst)

7. Dartmouth Leslie Center for the Humanities award for developing a course incorporating the theme of "revolution" (2017; for *Storytelling with Data; PSYC 81.06*).
    Award amount: $5,000; Role: Course Instructor

6. Social Impact Practicum (2017; for *Storytelling with Data; PSYC 81.06*)
    Award amount: $2,000; Role: Course Instructor

5. Young Minds and Brains (2017): The impact of exercise on attention, memory, and stress
    Award amount: $100,000; Role: PI (with David Bucci, Co-PI)

4. NSF EPSCoR Grant (2016): The neural basis of attention
    Award amount: $6,000,000; Role: Co-I (PI: Peter Tse)

3. NIMH Ruth L. Kirshstein National Research Service Award for an Individual Predoctoral Fellowship (2010): The neural representation of context and its role in free recall
    Award amount: $57,762; Role: PI

2. NIH Computational Neuroscience Training Grant (2008)
Role: Trainee

1. NIH Systems and Integrative Biology Training Grant (2006)
Role: Trainee

Publications

40. *Xu X*, Zhu Z, Zheng X, **Manning JR** (2024) The psychological arrow of time drives temporal asymmetries in retrodicting versus predicting narrative events. *Nature Communications*: in press.

39. *Jolly E*, *Sadhukha S*, Iqbal M, Molani Z, Walsh T, **Manning JR**, Chang LJ (2023) People are represented and remembered through their relationships with others. *PsyArXiv*: bw9r2.

38. *Owen LLW*, **Manning JR** (2023) High-level cognition is supported by information-rich but compressible brain activity patterns. *bioRxiv*: 533152. (Under revision at PNAS)

37. *Ziman K*, Lee MR, Martinez AR, **Manning JR** (2023) Category-based and location-based volitional covert attention are mediated by different mechanisms and affect memory at different timescales. *PsyArXiv*: 2ps6e.

36. *Fitzpatrick PC*, *Heusser AC*, **Manning JR** (2023) Text embedding models yield high-resolution insights into conceptual knowledge from short multiple-choice quizzes. *PsyArXiv*: dh3q2. (Under second round of reviews at Nature Communications)

35. **Manning JR**, Whitaker EC, Fitzpatrick PC, Lee MR, Frantz AM, Bollinger BJ, Romanova D, Field CE, *Heusser AC* (2023) Feature and order manipulations in a free recall task affect memory for current and future lists. *PsyArXiv*: erzfp. (Under second round of reviews at Psychological Review)

34. *Fitzpatrick PC*, **Manning JR** (2023) *d*avos: a Python package "smuggler" for constructing lightweight reproducible notebooks. *SoftwareX*: in press.

33. **Manning JR** (2023) Context reinstatement. In Kahana MJ and Wagner AD, Ed. *Handbook of Human Memory*. New York, NY: Oxford University Press. Chapter 38.

32. **Manning JR** (2023) Identifying stimulus-driven neural activity patterns in multi-patient intracranial recordings. In Axmacher N, Ed. *Intracranial EEG for Cognitive Neuroscience*. New York, NY: Springer. Chapter 48.

31. **Manning JR**, *Notaro GM*, Chen E, Fitzpatrick PC (2022) Fitness tracking reveals task-specific associations between memory, mental health, and physical activity. *Scientific Reports*, 12: 13822.

30. Kumar M, Anderson MJ, Antony JW, Baldassano C, Brooks PP, Cai MB, Chen P-HC, Ellis CT, Henselman-Petrusek G, Huberdeau D, Hutchinson BJ, Li PY, Lu Q, **Manning JR**, Mennen AC, Nastase SA, Richard H, Schapiro AC, Schuck NW, Suo D, Turek JS, Vo VA, Wallace G, Wang Y, Zhang H, Zhu X, Capotă M, Cohen JD, Hasson U, Li K, Ramadge PJ, Turk-Browne NB, Willke TL, Norman KA (2022) BrainIAK: the brain imaging analysis kit. *Aperture*, 1(4): 1–19.

Undergraduate trainees are denoted by underlined text, graduate trainees are indicated by *italicized* text, and postdoctoral trainees are indicated by *underlined and italicized* text.

29. Scangos KW, Khambhati AN, Daly PM, *Owen LLW*, **Manning JR**, Ambrose JB, Austin E, Dawes HE, Krystal AD, Chang EG (2021) Distributed subnetworks of depression defined by direct intracranial neurophysiology. *Frontiers in Human Neuroscience*, 15: doi.org/10.3389/fnhum.2021.746499.

28. *Chen HT*, **Manning JR**, van der Meer MAA (2021) Between-subject prediction reveals a shared representational geometry in the rodent hippocampus. *Current Biology*, 31: 1–12.

27. *Owen LLW*, *Chang TH*, **Manning JR** (2021) High-level cognition during story listening is reflected in high-order dynamic correlations in neural activity patterns. *Nature Communications*, 12(5728): doi.org/10.1038/s41467-021-25876-x.

26. **Manning JR** (2021) Episodic memory: mental time travel or a quantum 'memory wave' function? *Psychological Review*, 128(4): 711–725.

25. Chang LJ, *Jolly E*, *Cheong JH*, *Rapuano K*, Greenstein N, *Chen PHA*, **Manning JR** (2021) Endogenous variation in ventromedial prefrontal cortex state dynamics during naturalistic viewing reflects affective experience. *Science Advances*, 7(17): eabf7129.

24. *Xie T*, *Cheong JH*, **Manning JR**, Brandt AM, Aronson JP, Jobst BC, Bujarski KA, Chang LJ (2021) Minimal functional alignment of ventromedial prefrontal cortex intracranial EEG signals during naturalistic viewing. *bioRxiv*: 443308.

23. *Ziman K*, **Manning JR** (2021) Unexpected false feelings of familiarity about faces are associated with increased pupil dilations. *bioRxiv*: 432360.

22. *Heusser AC*, Fitzpatrick PC, **Manning JR** (2021) Geometric models reveal behavioral and neural signatures of transforming naturalistic experiences into episodic memories. *Nature Human Behaviour*: doi.org/10.1038/s41562-021-01051.

21. *Owen LLW*, Muntianu TA, *Heusser AC*, Daly P, Scangos K, **Manning JR** (2020) A Gaussian process model of human electrocorticographic data. *Cerebral Cortex*, 30(10): 5333–5345.

20. Chang L, **Manning JR**, Baldassano C, de la Vega A, Fleetwood G, Geerligs L, Haxby J, Lahnakoski J, Parkinson C, Shappell H, Shim WM, Wager T, Yarkoni T, Yeshurun Y, Finn E (2020) Naturalistic data analysis: doi.org/10.5281/zenodo.3937849.

19. *Heusser AC*, *Ziman K*, *Owen LLW*, **Manning JR** (2018) HyperTools: a Python toolbox for gaining geometric insights into high-dimensional data. *Journal of Machine Learning Research*, 18: 1–6.

18. *Ziman K*, *Heusser AC*, Fitzpatrick PC, Field CE, **Manning JR** (2018) Is automatic speech-to-text transcription ready for use in psychological experiments? *Behavior Research Methods*: doi.org/10.3758/s13428-018-1037-4.

17. *Heusser AC*, **Manning JR** (2018) Capturing the geometric structure of episodic memories for naturalistic experiences. *Conference on Cognitive Computational Neuroscience*: doi.org/10.32470/CCN.2018.1267-0.

16. **Manning JR**, Zhu X, Willke TL, *Ranganath R*, *Stachenfeld K*, Hassan U, Blei DM, Norman KA (2018) A probabilistic approach to discovering dynamic full-brain functional connectivity patterns. *NeuroImage*, 180: 243–252.

15. Heusser AC, Fitzpatrick PC, Field CE, *Ziman K*, **Manning JR** (2017) Quail: a Python toolbox for analyzing and plotting free recall data. *The Journal of Open Source Software*, 2(18): 424.

14. **Manning JR**, Hulbert JC, Williams J, *Piloto L*, Sahakyan L, Norman KA (2016) A neural signature of contextually mediated intentional forgetting. *Psychonomic Bulletin and Review*, 23(5): 1534–1542.

13. Anderson MJ, Capota M, Turek JS, Zhu X, Willke TL, Wang Y, *Chen P-H*, **Manning JR**, Ramadge PJ, Norman KA (2016) Enabling factor analysis on thousand-subject neuroimaging datasets. *IEEE Xplore, International Conference on Big Data (BigData 2016)*: doi.org/10.1109/BigData.2016.7840719.

12. Benson NC, **Manning JR**, Brainard DH (2014) Unsupervised learning of cone spectral classes from natural images. *PLoS Computational Biology*, 10(6): e1003652.

11. **Manning JR**, Ranganath R, Norman KA, Blei DM (2014) Topographic factor analysis: a Bayesian model for inferring brain networks from neural data. *PLoS One*, 9(5): e94914.

10. **Manning JR**, Lew TF, Li N, Kahana MJ, Sekuler RW (2014) MAGELLAN: a cognitive map-based model of human wayfinding. *Journal of Experimental Psychology: General*, 143(3): 1314–1330.

9. **Manning JR**, Ranganath R, Keung W, Turk-Browne N, Cohen JD, Norman KA, Blei DM (2014) Hierarchical Topographic Factor Analysis. *IEEE Xplore, 4th International Workshop on Pattern Recognition in Neuroimaging*: doi.org/10.1109/PRNI.2014.6858530.

8. **Manning JR**, Kahana MJ, Norman KA (2014) The role of context in memory. In Gazzaniga M, Ed. *The Cognitive Neurosciences, Fifth Edition*. Cambridge, MA: MIT Press. Chapter 47.

7. **Manning JR**, Kahana MJ (2012) Interpreting semantic clustering effects in free recall. *Memory*, 20(5): 511–517.

6. **Manning JR**, Sperling MR, Sharan A, Rosenberg EA, Kahana MJ (2012) Spontaneously reactivated patterns in frontal and temporal lobe predict semantic clustering during memory search. *The Journal of Neuroscience*, 32(26): 8800–8816.

5. **Manning JR**, Gershman SJ, Norman KA, Blei DM (2012) Factor topographic latent source analysis: factor analysis for brain images. *Neural Information Processing Systems (NeurIPS) Workshop on Machine Learning and Interpretation in Neuroimaging*, 2: Online.

4. **Manning JR**, Polyn SM, Baltuch G, Litt B, Kahana MJ (2011) Oscillatory patterns in temporal lobe reveal context reinstatement during memory search. *Proceedings of the National Academy of Sciences of the United States of America*, 108(31): 12893–12897.

3. Jacobs J, **Manning JR**, Kahana MJ (2010) Response to Miller: "broadband" vs. "high gamma" electrocorticographic signals. *The Journal of Neuroscience*, 30(19): Online.

2. **Manning JR**, Jacobs J, Fried I, Kahana MJ (2009) Broadband shifts in local field potential power spectra are correlated with single-neuron spiking in humans. *The Journal of Neuroscience*, 29(43): 13613–13620.

1. **Manning JR**, Brainard DH (2009) Optimal design of photoreceptor mosaics: why we do not see color at night. *Visual Neuroscience*, 26: 5–19.

Invited talks (selected)

40. Ruhr Universität Bochum (2024)
39. University of Pennsylvania (2023)
38. Cornell University (2023)
37. Boston University (2023)
36. Harvard University (2022)
35. University of California, Irvine (2022)
34. Ruhr Universität Bochum (2022)
33. Microsoft Research (2022)
32. Carnegie Mellon University (2021)
31. National Institutes of Mental Health (2021)
30. Boston College (2020)
29. Facebook Reality Labs (2020)
28. University of California, Berkeley (2020)
27. University of Oregon (2020)
26. Context and Episodic Memory Symposium (2019)
25. Society for Affective Science (2019)
24. Uber (2019)
23. Northeastern University (2018)
22. Society for Neuroscience (2018)
21. University of Pennsylvania (2018)
20. Bard College (2017)
19. Harvard University (2017)
18. University of Texas at Austin (2017)
17. Society for Neuroscience (2016)
16. Brown University (2015)
15. Columbia University (2015)
14. Dartmouth College (2015)
13. Georgetown University (2015)
12. Johns Hopkins University (2015)
11. Context and Episodic Memory Symposium (2014)
10. Manhattan Area Memory Meeting (2014)
9. Pattern Recognition in Neuroimaging (2014)
8. Context and Episodic Memory Symposium (2013)
7. University of Massachusetts, Amherst (2013)
6. Dartmouth College (2013)
5. Charles River Analytics (2012)
4. Natick Soldier Systems Center (2012)
3. Princeton University (2011)
2. Society for Mathematical Psychology (2011)
1. University of Pennsylvania (2011)

Software (selected)

20. **Manning JR**, *Manjunatha H*, Kording K (2023) Chatify: add an LLM-based chatbot "tutor" to Jupyter notebooks. GitHub.
19. *Fitzpatrick PC*, **Manning JR** (2022) Davos: import Python packages, even if they aren't installed. GitHub.
18. **Manning JR** (2021) DataWrangler: format and clean data, with a special focus on applying natural language processing models to text data. GitHub.

17. *Owen LLW*, *Chang TH*, **Manning JR** (2019) Timecorr Toolbox: compute high-order correlations in multivariate timeseries data. GitHub.

16. *Owen LLW*, *Heusser AC*, **Manning JR** (2018) SuperEEG Toolbox: infer full-brain activity patterns from a small(ish) number of ECoG electrodes using Gaussian process regression. GitHub.

15. Capota M, Turek J, *Chen P-HC*, Zhu X, **Manning JR**, Sundaram N, Keller B, Wang Y, Shin YS (2017) BrainIAK: Brain Imaging Analysis Kit. brainiak.org.

14. *Heusser AC*, *Ziman K*, Fitzpatrick PC, Field CE, **Manning JR** (2017) AutoFR: a scalable verbal free recall experiment with automatic speech-to-text transcription. GitHub.

13. *Heusser AC*, Fitzpatrick PC, Field CE, *Ziman K*, **Manning JR** (2017) Quail: a Python toolbox for analyzing and plotting free recall data. GitHub.

12. *Heusser AC*, *Ziman K*, *Owen LLW*, **Manning JR** (2017) HyperTools: gain geometric insights into high-dimensional data (Python). GitHub.

11. **Manning JR** (2016) Hyperplot Tools: gain geometric insights into high-dimensional data (MATLAB). MATLAB Central File Exchange: 56623.

10. **Manning JR** (2014) Hierarchical Topographic Factor Analysis: efficiently identify functional brain networks in fMRI data.

9. **Manning JR** (2013) MATLAB Ipsum: generate filler text using MATLAB. MATLAB Central File Exchange: 43428.

8. **Manning JR** (2013) Easy resample: simple interface for interpolating or resampling a 1D signal. MATLAB Central File Exchange: 43320.

7. **Manning JR** (2012) Chuck Close-ify: automatically create artwork in Chuck Close's iconic style based on existing photographs. MATLAB Central File Exchange: 38770.

6. **Manning JR** (2012) Plot fMRI images: quick and easy method for generating 2D and 3D brain plots. MATLAB Central File Exchange: 36139.

5. **Manning JR** (2012) Generate synthetic fMRI data: generate synthetic data for testing fMRI analyses and models. MATLAB Central File Exchange: 36125.

4. **Manning JR** (2012) Sane pColor: create 2D images that don't look blurry in OS X's Preview PDF viewer. MATLAB Central File Exchange: 35601.

3. **Manning JR** (2012) Attach: MATLAB implementation of the attach function in R. MATLAB Central File Exchange: 35436.

2. **Manning JR** (2012) Get tight subplot handles: allows user to exert finer control over subplot spacing in MATLAB. MATLAB Central File Exchange: 35435.

1. **Manning JR** (2012) Slices: efficiently slice a tensor along the n^{th} dimension. MATLAB Central File Exchange: 35439.

Teaching and instruction

Open courses (selected)

7. Laboratory in Psychological Science; doi.org/10.5281/zenodo.6596761
6. Human Memory; doi.org/10.5271/zenodo.5182787
5. Introduction to Programming for Psychological Scientists; doi.org/10.5281/zenodo.5136795
4. Naturalistic data analysis; doi.org/10.5281/zenodo.3937849
3. Storytelling with Data; doi.org/10.5281/zenodo.5182774
2. Methods in Neuroscience at Dartmouth Computational Summer School
1. Computational Neuroscience; doi.org/10.5281/zenodo.10235877

Mentorship (selected)

Postdoctoral Advisees:

2. Gina Notaro (2017 – 2018; current position: Lockheed Martin)
1. Andrew Heusser (2016 – 2018; current position: Akili Interactive)

Graduate Advisees:

10. Paxton Fitzpatrick (Doctoral student; 2021 –)
9. Xinming Xu (Doctoral student; 2021 –)
8. Mark Taylor (Masters student, Quantitative Biomedical Sciences; 2021)
7. Caroline Lee (Doctoral student; 2019 – 2021)
6. Max Bluestone (Masters student, Quantitative Biomedical Sciences; 2018 – 2020)
5. Deepanshi Shokeen (Masters student, Quantitative Biomedical Sciences; 2018 – 2020)
4. Kirsten Ziman (Doctoral student; 2017 – 2022; current position: Postdoctoral researcher at Princeton University)
3. Lucy Owen (Doctoral student; 2016 – 2021; current position: Assistant Professor at University of Montana)
2. Tom Hao Chang (Masters student, Computer Science; co-advised with Qiang Liu; 2016 – 2017; current position: Robinhood)
1. Hanli Li (Masters student, Computer Science; co-advised with Qiang Liu; 2016)

Thesis Committees:

18. Manish Mohapatra (Advisor: Matthijs van der Meer)
17. Megan Hillis (Advisor: David Kraemer)
16. Omri Raccah (Advisor: David Poeppel)
15. Courtney Jiminez (Advisor: Meghan Meyer)

14. Hung-tu Chen (Advisor: Matthijs van der Meer)
13. Dhaval Bhatt (Advisor: Meghan Meyer; Graduated 2023)
12. Tiankang Xie (Advisor: Luke Chang; Graduated 2023)
11. Vassiki Chauhan (Advisors: Ida Gobbini and James Haxby; Graduated 2021)
10. Emily Irvine (Advisor: Matthijs van der Meer; Graduated 2020)
9. Eli Bowen (Advisor: Richard Granger; Graduated 2020)
8. Eshin Jolly (Advisor: Luke Chang; Graduated 2020)
7. Stephen Meisenhelter (Advisor: Barbara Jobst; Graduated 2020)
6. Feilong Ma (Advisor: James Haxby; Graduated 2019)
5. Kevin Hartstein (Advisor: Peter Tse; Graduated 2019)
4. Beau Sievers (Advisor: Thalia Wheatley; Graduated 2018)
3. Kristina Rapuano (Advisor: Luke Chang; Graduated 2018)
2. Luke Eglington (Advisor: Sean Kang; Graduated 2018)
1. Gina Notaro (Advisor: Solomon Diamond; Graduated 2017)

Specialist Committees:

20. Menghan Yang (Advisor: Luke Chang)
19. Deepasri Prasad (Advisor: Caroline Robertson)
18. Zizhuang Miao (Advisor: Tor Wager)
17. Benjamin Graul (Advisor: Tor Wager)
16. Yeongji Lee (Advisor: David Kraemer)
15. Thomas Botch (Advisors: Emily Finn and Caroline Robertson)
14. Dhaval Bhatt (Advisor: Meghan Meyer)
13. Clara Sava-Segal (Advisor: Emily Finn)
12. Wasita Mahaphanit (Advisor: Luke Chang)
11. Jane Han (Advisor: James Haxby)
10. Megan Hillis (Advisor: Caroline Robertson)
9. Anna Mynick (Advisor: Caroline Robertson)
8. Marissa Clark (Advisor: Luke Chang)
7. Robert Quon (Advisor: Barbara Jobst)
6. Mira Nencheva (Advisor: Casey Lew-Williams)
5. Marvin Maechler (Advisor: Peter Tse)

4. Eli Bowen (Advisor: Richard Granger)
3. Emma Templeton (Advisor: Thalia Wheatley)
2. Feilong Ma (Advisor: James Haxby)
1. Youki Tanaka (Advisor: Matthijs van der Meer)

Undergraduate Advisees:

106. Abigayle McCusker (2024 –)
105. Everett Tai (2024 –)
104. Torsha Chakraverty (2024 –)
103. Chloe Terestchenko (2024 –)
102. Ansh Motiani (2024 –)
101. Kaitlyn Peng (2024 –)
100. Everett Tai (2024 –)
99. Andrew Cao (2024 –)
98. Michael Chen (2023 –)
97. Jake McDermid (2023 –)
96. Om Shah (2023 –)
95. Grady Redding (2023 –)
94. DJ Matusz (2023 –)
93. Sarah Parigela (2023 –)
92. Aaryan Agarwal (2023 –)
91. Maura Hough (2023 –)
90. Emma Reeder (2023 –)
89. Safwan Rashid (2023)
88. Francisca Fadairo (2023 –)
87. Ameer Talha Yasser (2023)
86. Yue Zhuo (2023 –)
85. Megan Liu (2023 – 2024)
84. Charles Baker (2023)
83. Andrew Shi (2023)
82. Ash Chinta (2023)
81. Xueyao Zheng (2023)
80. Sergio Campos Legonia (2023)
79. Jennifer Xu (2023 –)
78. Elias Emery (2023)
77. Yvonne Chen (2023)
76. William McCall (2023)
75. Natalie Schreder (2023)
74. Raselas Dessalegn (2023)
73. Grace Wang (2023)
72. Mira Chiruvolu (2023 – 2024)
71. Anna Mikhailova (2022)
70. Ansh Patel (2022 –)
69. Ziyan Zhu (2022 –)
68. Benjamin Lehrburger (2022)
67. Thomas Corrado (2022)
66. Samuel Crombie (2022)
65. Alexander Marcoux (2022)
64. Jessna Brar (2022)
63. Wenhua Liang (2022)
62. Kevin Cao (2022)
61. Goutham Veeramachaneni (2022)
60. Zachary Somma (2022)
59. Dawson Haddox (2022)
58. Swestha Jain (2022)
57. Aidan Adams (2021)
56. Damini Kohli (2021)

Senior thesis students are denoted by asterisks (*)

55. Kunal Jha* (2021 –)
54. Daniel Carstensen* (2021 –)
53. Brian Chiang (2021 – 2022)
52. Daniel Ha (2021)
51. Darren Gu (2020 – 2021)
50. Tyler Chen (2020 – 2022)
49. Tehut Biru* (2020 – 2021)
48. Chris Suh (2020 – 2021)
47. Helen Liu (2020)
46. Kelly Rutherford (2020)
45. Chris Jun (2020 – 2022)
44. Ethan Adner (2020 – 2022)
43. Chris Long (2020 – 2021)
42. Esme Chen (2020 – 2021)
41. Luca Lit (2020)
40. Vivian Tran (2020)
39. Greg Han (2020)
38. Austin Zhang (2020)
37. Chelsea Uddenberg (2020)
36. Shane Hewitt (2020)
35. Chetan Palvuluri (2020)
34. Aaron Lee (2019 – 2020)
33. Anne George (2019 – 2020)
32. Sarah Park (2019 – 2020)
31. Shane Park (2019 – 2020)
30. William Chen (2019 – 2020)
29. Tudor Muntianu (2019 – 2021)
28. William Baxley (2018 – 2019)
27. Ann Carpenter (2018)
26. Seung Ju Lee (2018)
25. Mustafa Nasir-Moin (2018)
24. Iain Sheerin (2018)
23. Darya Romanova (2018)
22. Alejandro Martinez (2018 – 2020)
21. Rachael Chacko (2018)
20. Kirsten Soh (2018)
19. Paxton Fitzpatrick* (2017 – 2019)
18. Stephen Satterthwaite (2017 – 2018)
17. Bryan Bollinger (2017 – 2018)
16. Christina Lu (2017)
15. Armando Oritz (2017)
14. Campbell Field (2016 – 2018)
13. Madeline Lee (2016 – 2020)
12. Wei Liang Samuel Ching (2016 – 2017)
11. Marisol Tracy (2016 – 2017)
10. Allison Frantz (2016 – 2017)
9. Aamuktha Porika (2016 – 2017)
8. Jake Rost (2016)
7. Clara Silvanic (2016)
6. Aman Agarwal (2016)
5. Joseph Finkelstein (2016)
4. Sheherzad Mohydin (2016)
3. Peter Tran (2016)
2. Gal Perlman (2016)
1. Jessica Tin (2016)

Service

Professional organizations

4. National Science Foundation (2023, 2024) Panel member
3. NeuroMatch Academy (2021 –) Developer and project mentor (computational neuroscience and deep learning tracks)
2. Artificial Intelligence and Statistics (AISTATS; 2021 – 2024) Area chair (natural language processing and machine learning)
1. Methods in Neuroscience at Dartmouth (MIND) Summer School (2017 –) Co-founder

Dartmouth committee memberships

6. Social (Department Well-Being) Committee (2023–2024)
5. Undergraduate Committee (2021–2022, 2015–2016)
4. Graduate Committee (2020–2021, 2016–2019)
3. Cognitive Neuroscience Faculty Search Committee (2018)
2. Molecular and Systems Biology Faculty Search Committee (2017)
1. Cognitive Neuroscience Faculty Search Committee (2016)

Ad-hoc reviewer

Advances in Cognitive Psychology, *Agence Nationale de la Recherche*, *American Journal of Psychology*, *Cell Reports*, *Cerebral Cortex*, *Cognition*, *Cognition and Emotion*, *Cortex*, *Computational and Systems Neuroscience (Cosyne)*, *eLife*, *International Conference on Machine Learning (ICML)*, *International Joint Conference on Artificial Intelligence*, *International Journal of Social Research Methodology*, *Israel Science Foundation*, *Journal of Cognitive Psychology*, *Journal of Mathematical Psychology*, *National Science Foundation (USA)*, *Nature Communications*, *Nature Human Behaviour*, *Neural Computation*, *NeuroImage*, *Neural Information Processing Systems (NeurIPS)*, *Neuropsychologia*, *PLoS Biology*, *PLoS Computational Biology*, *Proceedings of the National Academy of Sciences*, *Psychological Review*, *Psychonomic Bulletin and Review*, *Science*, *Scientific Data*, *Scientific Reports*, *Society for Artificial Intelligence and Statistics (AISTATS)*, *Swiss National Science Foundation*, *The Journal of Neuroscience*

Last updated: July 3, 2024