IDO DAVIDESCO, Ph.D.

Department of Educational Psychology
Neag School of Education
University of Connecticut
249 Glenbrook Road, Unit 3064
Storrs, CT 06269-3064

Phone: +1 (347) 776-1999
E-mail: ido.davidesco@uconn.edu

Employment

October 2021- Faculty affiliate, Cognitive Science Program, University of Connecticut.

August 2021- Faculty affiliate, Department of Psychological Sciences, University of Connecticut.

May 2021- Faculty affiliate, Institute for Collaboration on Health, Intervention, and Policy (InCHIP), University of Connecticut.

August 2020- Assistant Professor in Learning Sciences, Department of Educational Psychology, Neag School of Education, University of Connecticut.

2018-2020 Research Assistant Professor, Department of Teaching and Learning, Steinhardt School of Culture, Education, and Human Development, New York University.

2015-2017 Post-Doctoral Fellow, Department of Psychology, New York University.

2013-2014 Post-Doctoral Fellow, Department of Psychology, Princeton University.

Education

2006-2012 **Ph.D., Cognitive Neuroscience, The Hebrew University of Jerusalem, Israel**
- Advisor: Rafael Malach.

1997-2000 **B.A., Psychology, *summa cum laude,* Open University of Israel.**
- Degree obtained during high school.

Active Research Grants

2022-2027 NSF 2145551 (Role: PI)
Title: CAREER DBER: The Role of Internal Attention in Undergraduate Biology Learning. *Total Award: $1,325,817*

2021-2025 NSF 2101615 (Role: PI)
Title: Fostering Computational Thinking Through Neural Engineering Activities in High School Biology Classes. *Total Award: $1,451,850*

2022-2026 NSF Science of Learning 2141139 (Role: PI)
Title: Utilizing Neurophysiological Measures to Better Understand and Improve Engagement and Learning with Intelligent Tutoring Systems.
Total award: $849,999

2022-2027 NIH 1R25GM146286-01 (Role: PI)
Title: Brain Healthy: Engaging Students in Citizen Science Brain Health and Wellness Investigations to Promote Data Science Literacy. *Total award: $1,336,626*

2022-2027 NSF NRT-21522002 (Role: Co-PI; PI: Hoeft)
TRANSdisciplinary Convergence in Educational Neuroscience Doctoral (TRANSCEND) Training Program. *Total cost: $2,999,906*

2021-2022 University of Connecticut Research Excellence Program (Role: PI)
Investigating Student Engagement through a Virtual Reality Classroom. *Total Award: $49,078*

2017-2023 NIH 1R25OD023777-01 (Role: PI)
Title: BrainWaves: an EEG-based neuroscience curriculum development and teacher training for underserved high schools. *Total Award: $1,341,249*

2019-2023 NSF DRK-12 1908482 (Role: Co-PI; PI: Matuk)
Title: Crowdsourcing neuroscience: An interactive citizen science platform for students, teachers, and researchers. *Total award: $2,443,916*

2019-2022 NSF ECR 1920593 (Role: Co-PI; PI: Rodriguez)
Title: Mind, Brain and Education in STEM Learning: Research, Policy and Practice Collaboratory. *Total award: $49,892*

Publications

Aldemir, T.. **Davidesco, I.**, Kelly, S.M., Glaser, N., Kyle, A.M., Montrosse-Moorhead, B., Lane, K. (2022). Investigating Students' Learning Experiences in a Neural Engineering Integrated STEM High School Curriculum. *Education Sciences*, 12, 705.

Davidesco, I., Laurent, E., Valk, H., West, T., Milne, C., Poeppel, D., Dikker, S. (In Revision). The Temporal Dynamics of Brain-to-Brain Synchrony Between Students and Teachers Predict Learning Outcomes. *Psychological Science*.

Davidesco, I., Glaser, N., Stevenson, I.H., Dagan, O. (In Revision). Detecting Fluctuations in Student Engagement and Retention During Video Lectures Using Electroencephalography. *British Journal of Educational Technology*.

Janssen, T., Grammer, J., Bleichner, M., Bulgarelli, C., **Davidesco, I.**, Dikker, S., Jasińska, K., Siugzdaite, R., Vassena, E., Vatakis, A., Zion-Golumbic, E., van Atteveldt, N. (2021). Opportunities and Limitations of Mobile Neuroimaging Technologies in Educational Neuroscience. *Mind, Brain, and Education*. 15(4), 354-370.

Matuk, C., Martin, R., Vasudevan, V., Burgas, K., Chaloner, K., **Davidesco, I.**, Sadhukha, S., Shevchenko, Y., Bumbacher, E., & Dikker, S. (2021). Students learning about science by investigating an unfolding pandemic. *AERA Open,* 7, 23328584211054850.

Davidesco, I., Bevilacqua, D., Poeppel, D., & Dikker, S. (2021). Neuroscience Research in the Classroom: Portable Brain and Eye Tracking Technologies in Educational Research. *Educational Researcher*, 50(9), 649-656.

Davidesco, I., Azeka, S., Carter, S., Laurent, E., Valk, H., Dikker, S., Suzuki, WA. (2021). Making BrainWaves: Portable Brain Technologies in Biology Education. *BioRxiv* [Preprint]. doi: 10.1101/2021.07.02.450935.

Dikker, S., Haegens, S., Bevilacqua, D., **Davidesco, I.**, Wan, L., Kaggen, L., ... & Poeppel, D. (2020). Morning brain: real-world neural evidence that high school class times matter. Social cognitive and affective neuroscience, 15(11), 1193-1202.

Davidesco, I. (2020). Brain-to-Brain Synchrony in the STEM Classroom. *CBE-Life Sciences Education,* 19(3).

Keller, A.S., **Davidesco, I.**, & Tanner, K.D. (2020). Attention Matters: How Orchestrating Attention Relates to Classroom Learning. *CBE-Life Sciences Education*, 19(3).

Davidesco, I., & Milne, C. (2019). Implementing Cognitive Science and Discipline-Based Education Research in the Undergraduate Science Classroom. *CBE-Life Sciences Education*, 18(3), es4.

Bevilacqua, D.*, **Davidesco, I.***, Wan, L., Oostrik, M., Chaloner, K., Rowland, J., Ding, M., Poeppel, D., & Dikker, S. (2019). Brain-to- Brain Synchrony and Learning Outcomes vary by Student-Teacher Dynamics: Evidence from a real-world classroom EEG study. *Journal of Cognitive Neuroscience*, 31(3), 401-411.
(these authors contributed equally)*

Dikker, S., Wan, L., **Davidesco, I.**, Kaggen, L., Oostrik, M., McClintock, J., Rowland, J., Van Bavel, J., Ding, M., & Poeppel, D. (2017). Brain-to-Brain Synchrony Tracks Real-World Dynamic Group Interactions in the Classroom. *Current Biology*, 27, 1375-1380.

Keller, C. J.*, **Davidesco, I.***, Megevand, P., Lado, F. A., Malach, R., & Mehta, A. D. (2017). Tuning face perception with electrical stimulation of the fusiform gyrus. *Human Brain Mapping*, 38(6), 2830-2842.
(these authors contributed equally)*

Golan, T., **Davidesco, I.**, Meshulam, M., Groppe, D., Mégevand, P., Yeagle, E., Goldfinger, M., Harel, M., Melloni, L., Schroeder, C. E., Deouell, L., Mehta, A. D., & Malach, R. (2017). Increasing suppression of saccade-related transients along the human visual hierarchy. *eLife*, 6, e27819.

Golan, T., **Davidesco, I.**, Meshulam, M., Groppe, D., Mégevand, P., Yeagle, E., Goldfinger, M., Harel, M., Melloni, L., Schroeder, C. E., Deouell, L., Mehta, A. D., & Malach, R. (2016). Human intracranial recordings link suppressed transients rather than 'filling-in' to perceptual continuity across blinks. *eLife*, 5, e17243.

Noy, N., Bickel, S., Zion-Golumbic, E., Harel, M., Golan, T., **Davidesco, I.**, Schevon, C. E., McKhann, G. M., Goodman, R.R., Schroeder, C. E., Mehta, A. D., & Malach, R. (2015). Ignition's glow: Ultra-fast spread of global cortical activity accompanying local "ignitions" in visual cortex during conscious visual perception. *Consciousness and Cognition*, 35, 206–224.

Davidesco, I., Zion-golumbic, E., Bickel, S., Harel, M., Groppe, D. M., Keller, C. J., Schevon, C. A., McKhann, G. M., Goodman, R. R., Goelman G., Schroeder, C. D., Mehta A. D.,

& Malach R. (2014). Exemplar selectivity reflects "canonical" perceptual similarities in the human fusiform cortex. *Cerebral Cortex*, 24(7), 1879-1893.

Mégevand, P., Groppe, D. M., Goldfinger, M. S., Hwang, S. T., Kingsley, P. B., **Davidesco,** I., & Mehta, A. D. (2014). Seeing scenes: Topographic visual hallucinations evoked by direct electrical stimulation of the parahippocampal place area. *The Journal of Neuroscience*, 34(16), 5399-5405.

Davidesco, I., Harel, M., Ramot, M., Kramer U., Kipervasser, S., Andelman, F., Neufeld, M. Y., Goelman, G., Fried, I., & Malach, R. (2013). Spatial and object-based attention modulates gamma-band responses across the human visual cortical hierarchy. *The Journal of Neuroscience*, 33(3), 1228-1240.

Ramot, M., Fisch, L., **Davidesco, I.**, Harel, M., Kipervasser, S., Andelman, F., Neufeld, M. Y., Kramer, U., Fried, I., & Malach, R (2013). Emergence of sensory patterns during sleep highlights differential dynamics of REM and non-REM sleep stages. *The Journal of Neuroscience*, 33(37), 14715-14728.

Book Chapters

Glaser, N., **Davidesco, I.**, Pérez-Cuesta, L., Carter, S., Gupta, M., Ferreira, A., Nunez, V., & Suzuki, WA. (In Press). Adapting a Neuroscience High School Curriculum to Support Inclusive Online Learning. In B. Hokanson, G. Clinton, A. A. Tawfik, A. Grincewicz, & M. Schmidt (Eds.), Toward Inclusive Learning Design: Social Justice, Equity, and Community. Springer International Publishing.

Poeppel, D., Cogan, G., **Davidesco, I.**, & Flinker, A. (2019). Speech perception: a perspective from lateralisation, motorisation, and oscillation. In G.I. de Zubicaray & N.S. Schiller (Eds.), *Oxford Handbook of Neurolinguistics*. New York, NY: Oxford University Press.

Publications in progress

Davidesco, I., Azeka, S., Couzens, J., Loken, E., Carter, S., Laurent, E., Valk, H., Dikker, S., Suzuki, W.A. (Under Review). Balancing Authenticity and Personal Relevance of Science Through Student-Driven Neuroscience Investigations.

Other Publications

Matuk, C., Yetman-Michaelson, L., Martin, R., Vasudevan, V., Burgas, K., **Davidesco, I.**, Shevchenko, Y., & Dikker, S. (2022). Open science in the classroom: Impacts on students' study design and peer review abilities in human brain and behavior research. *Connected Science Learning*, 4(2).

Davidesco, I., & Tanner, K.D. (2020). Cross-Disciplinary Research in Biology Education: Challenges and Opportunities [Editorial]. *CBE-Life Sciences Education*, 19(3).

van Atteveldt , N., Janssen , T., & **Davidesco, I.** (2020). Measuring brain waves in the classroom. *Frontiers for Young Minds*.

Azeka, S., Carter, S., & **Davidesco, I.** (2020). Neuroscientists in Training. *Educational Leadership*, 77(8), 66-69.

Conference Presentations with Proceedings (Refereed)

Matuk, C., Amato, A., **Davidesco, I.**, Rubel, L., Stornaiuolo, A., Bumbacher, E., … Woods, P.H. (2022). Data Storytelling in the Classroom. In Chinn, C., Tan, E., Chan, C., & Kali, Y. (Eds.). Proceedings of the 16th International Conference of the Learning Sciences - ICLS 2022. Hiroshima, Japan: International Society of the Learning Sciences. Available online: https://2022.isls.org/proceedings/

Naipaul, J.N., **Davidesco, I.**, & Glaser, N. (2022). Promoting Authentic Research Experiences in the High School Classroom: Opportunities and Challenges. In Chinn, C., Tan, E., Chan, C., & Kali, Y. (Eds.). Proceedings of the 16th International Conference of the Learning Sciences - ICLS 2022. Hiroshima, Japan: International Society of the Learning Sciences. Available online: https://2022.isls.org/proceedings/

Dikker, S., Shevchenko, Y., Burgas, K., Bumbacher, E., Sadhukha, S., Vasudevan, V., **Davidesco, I.,** Martin, R., Matuk, C. (2021, November 3-5). MindHive: A Community Science Platform for Human Brain and Behavior Research. Technology, Mind, & Society Conference.

Glaser, N., **Davidesco, I.**, Zion Golumbic, E., & Thompson, K. (2021, November 2-6). The Virtual Reality Classroom: A Prototype Environment to Measure Student Engagement through Eye Tracking and Portable Electroencephalography Technology. To be presented at the 2021 International Convention of the Association for Educational Communications and Technology. Chicago, IL.

Glaser, N., **Davidesco, I.**, Zion Golumbic, E., & Thompson, K. (2021, November 2-6). Investigating Student Engagement through a Virtual Reality Classroom that Utilizes Eye Tracking and Portable Electroencephalography Technology. To be presented at the 2021 International Convention of the Association for Educational Communications and Technology. Chicago, IL.

Davidesco, I., Dagan, O. (2021, April 7-10). Investigating Students' Engagement with Science Videos: An EEG Study. NARST Annual Meeting, Virtual.

Glaser, N., **Davidesco, I.**, & Zion Golumbic, E. (2021, June 8-11). Investigating Student Engagement through a Virtual Reality Classroom. Presented at the 2021 International Society of the Learning Sciences. Virtual.

Vasudevan, V., Matuk, C., Bumbacher, E., **Davidesco, I.**, Dikker, S., Sadhukha, S., Chaloner, K., Burgas, K., Martin, R. (2021, June 8-11). Students doing citizen science on an unfolding pandemic. Paper presented at the International Society for the Learning Sciences Annual Meeting. Virtual.

Davidesco, I., Creider, S., Yu, D., Hughes, S., Veronica, V., Laurent, E., Ali, G. (2021, April 8-12). Exploring Student Engagement in Cooperative Science Learning: An Interdisciplinary Approach. AERA Annual Meeting.

Azeka, S., Carter, S., Chan, M. M., Naipaul, J., & **Davidesco, I.** (2020, April 17-21) Neuroscience Research in Underserved High Schools: Students' Lived Experiences. AERA Annual Meeting San Francisco, CA (Conference Canceled due to COVID-19)

Conference Presentations

Davidesco, I. (2022, February 18-20). Insights From Wearable Brain Technologies on Engagement and School Schedules. Learning and the Brain Conference, San Francisco, CA.

Davidesco, I. (2021, July 3-8). Implementing Cognitive Science Research in the Undergraduate Science Classroom. Presentation at the 45th FEBS Congress, Virtual.

Davidesco, I. (2021, June 15-17). Fostering Computational Thinking through Neural Engineering Activities in High School Biology Classes. 2021 DRK-12 PI Meeting, Virtual.

Glaser, N. **Davidesco, I.**, Pérez-Cuesta, L., Carter, S., Gupta, M., Ferreira, A., Nunez, V., & Suzuki, WA. (2021, May 24-27). Adapting a Neuroscience High School Curriculum to Support Inclusive Online Learning. SciEd 2021 Conference, Virtual.

Davidesco, I., & Glaser, N. (2021, May 24-27). Integrating a 3D Collaborative Virtual Learning Environment into a Middle/High School Science Curriculum. SciEd 2021 Conference, Virtual.

Davidesco, I., Keller, A. (2021, February 14-16). Why Attention Matters: How Active Learning Strategies and Synchronized Brain Activity Support Attention and Learning. Learning and the Brain Conference, Virtual.

Davidesco, I. (2020, November 19). Brain-to-Brain Synchrony Predicts Learning in Groups. Presentation at Social Bridges: Alignment in Groups, Networks, and Teams, Virtual.

Davidesco, I. (2020, June 19-20). Collaborative Learning in the STEM Classroom from a Neuroscience Perspective. Poster presented at a pre-ICLS conference workshop on Improving science education through interdisciplinary collaborations between learning sciences and discipline-based education research.

Davidesco, I. (2020, talk). BrainWaves: Portable EEG in Neuroscience Education. Society for the Advancement of Biology Education Research, Irvine, CA.

Davidesco, I., Laurent, E., Azeka, S., Valk, H., Dikker, S., Suzuki, W. (2019, poster). BrainWaves: An EEG-based neuroscience program. Society for Neuroscience Annual Meeting, Chicago, IL.

Davidesco, I. (2019, Keynote). Brain-to-brain synchrony in the classroom. McMaster Conference on Education and Cognition, McMaster University, Hamilton, ON, Canada.

Davidesco, I., Laurent, E., Valk, H., West, T., Dikker, S., Milne, C., & Poeppel, D. (2019, talk). Brain-to-brain synchrony predicts long-term memory retention more accurately than individual brain measures. Society for Neuroscience, Chicago, IL.

Davidesco, I., Dikker, S., & Poeppel, D. (2018, talk). Real-world educational neuroscience research. Latin American School for Education, Cognitive and Neural Sciences, Chile.

Davidesco, I., Dikker, S., & Poeppel, D. (2017, talk). Brain-to-brain synchrony in the classroom. The International Science of Learning Conference, Brisbane, Australia.

Davidesco, I., Dikker, S., Furst, E., & van Aalderen, S. (2016, talk). Neuroscience in the classroom. SiG Neuroscience and Education Meeting, Amsterdam, The Netherlands.

Dikker, S., **Davidesco, I.**, Wan, L., Kaggen, L., McClintock, J., Westerlund, M., Oostrik, M., Ding, M., & Poeppel, D. (2016, poster). Brain-to-brain synchrony in the classroom predicts student engagement and social dynamics. AAAS Annual Meeting, Washington, DC.

Davidesco, I., Kaggen, L., McClintock, J., Westerlund, M., Oostrik, M., Wan, L., Ding, M., Poeppel, D., & Dikker, S. (2015, poster). From participants to researchers: An interactive neuroscience program for high school students. Society for Neuroscience, Chicago, IL.

Davidesco, I., Honey, C. J., Thesen, T., Melloni, L., Doyle, W., Devinsky, O., Ghitza, O., Schroeder, C. E., Poeppel, D., & Hasson, U. (2014, poster). The limits of intelligibility: electrocorticographic responses to time-compressed speech. Cognitive Neuroscience Society, Boston, MA.

Davidesco I., Zion-golumbic, E., Groppe, D. M., Keller, C. J., Bickel, S., Harel, M., Schevon, C. A., McKhann, G. M., Goodman, R. R., Goelman, G., Schroeder, C. E., Mehta, A. D., Malach, R. (2013, poster). Dynamics of categorization and exemplar discrimination in human face-related cortex. Annual Meeting of the Organization for Human Brain Mapping, Seattle, WA.

Davidesco I., Zion-golumbic, E., Bickel, S., Harel, M., Groppe, D. M., Keller, C. J., Schevon, C. A., McKhann, G. M., Goodman, R. R., Goelman, G., Schroeder, C.D., Mehta, A. D., & Malach, R. (2012, talk). Exemplar selectivity reflects "canonical" perceptual similarities in the human fusiform cortex. Society of Neuroscience Meeting, New Orleans, LA.

Davidesco, I., Zion-Golumbic, E., Bickel, S., Harel, M., Goelman, G., Schroeder, C. E., Mehta, A. D., & Malach, R. (2011, poster). The neural Facebook: exemplar selectivity in human face-selective areas revealed through intracranial EEG recordings. International conference on cognitive neuroscience, Mallorca, Spain.

Davidesco, I., Bickel, S., Zion-Golumbic, E., Harel, M., Goelman, G., Schroeder, C. E., Mehta, A. D., & Malach, R. (2010, poster). Holistic processing of faces in the human brain revealed through intracranial EEG recordings. Society for Neuroscience Meeting, San Diego, CA.

Davidesco, I., Shalev, L., & Goelman, G. (2009, poster). Disentangling selective attention from orienting of attention: an fMRI study. Annual Meeting of the Organization for Human Brain Mapping, San Francisco, CA.

Fellowships and Awards

2022	International Mind, Brain, and Education Society, Early Career Award
2022	National Science Foundation, Faculty Early Career Development Award
2017	Society for Neuroscience (SfN), Next Generation Award This award recognizes an SfN chapter member who has made outstanding contributions to public communication, outreach and education about neuroscience.

2017	National Science Foundation, Science of Learning Fellowship to participate in a U.S. delegation to the International Science of Learning Conference, Brisbane, Australia.
2016	Latin American School for Education, Cognitive and Neural Sciences Fellowship, Buenos Aires, Argentina.
2013	Organization for Human Brain Mapping, Travel Award.
2012	Hebrew University of Jerusalem, Outstanding Academic Performance Award.
2006-2012	Hebrew University of Jerusalem, Interdisciplinary Center for Neural Computation Fellowship.

Teaching Experience

2020- **Assistant Professor, University of Connecticut**.
- Taught two graduate courses: "Learning: Its implications to Education" (EPSY 5510) and "Theories of Learning, Cognition and Instruction" (EPSY 5530).

2018-2020 **Research Assistant Professor, New York University.**
- Taught an undergraduate Liberal Arts course entitled "Science in Our Lives."
- Average rating of 4.6 out of 5 in student evaluations.

2016-2017 **Adjunct Professor, Columbia Teachers College.**
- Developed and taught a graduate seminar entitled "Classroom-based EEG Research."
- Average rating of 4.9 out of 5 in student evaluations.

2013-2017 **Adjunct Professor, Yeshiva University.**
- Developed two new undergraduate courses in Psychology: "Psychobiology" and "The Neural Basis of Vision."
- Lecturer in both courses, mean score of 5.7 out of 6 in student evaluations.

2012-2013 **Lecturer, Weizmann Institute of Science, Israel.**
- Lecturer in the graduate course: "functional MRI Methods." (Student evaluations not available.)

2007-2013 **Instructor, The Open University of Israel.**
- Instructor in the undergraduate course: "Research Methods in Social Sciences."
- Mean score of 4.6 out of 5 in student evaluations.

Mentoring and Advising

Postdocs (UConn)
Ella Ofek-Geva (2022-)
Yushuang Liu (2022-)
Tugce Aldemir (2021-22)
Noah Glaser (2020-21)

Ph.D. students (UConn)
Primary advisor: Kristin Simmers (2021-); Vaishnavi Sivaprasad (2021-); Sarah Gilmore (2022-)
Associate advisor: Andrew Cochran (2020-); Lauren Dougher (2021-); Yi Wei (2021-2022)

Masters Students (UConn)
Associate advisor: Lucille Littlefield

Masters Students (NYU)
Dana Bevilacqua (2016-17)

Undergraduate Honors Thesis Advising (NYU & Princeton)
Christian-David Martin, Princeton ’14; The role of theta oscillations in speech processing.
Or Dagan, NYU ’19; Brain-based adaptive online learning.

Undergraduate / Graduate Research Assistants (UConn)
Kyra Conville; Grace Maynard

Undergraduate / Graduate Research Assistants (NYU)
Henry Valk; Emma Laurent; Steven Azeka; Melda Kahraman; Anna Kasdan; Brett Borthwick; Gabriella Ali; Vivian Holland; Samantha Sterin-Lipman; Habiba Ahasan; Adina Jahan; Annabel Gordon.

Symposia organized

“Neuroscience Research in Authentic Educational Contexts,” IMBES 2020 Annual Conference (Postponed due to COVID-19).

“Mind, Brain and Education in STEM Learning,” April 9-10, 2020, New York University (Conference Organizer; Postponed due to COVID-19).

“Social Cognition: Behavior and Neural Mechanisms,” October 21, 2019, Society for Neuroscience Annual Meeting, Chicago, IL (Nanosymposium Organizer and Chair).

“Portable Brain Technologies in Research on Learning and Instruction,” August 14, 2019, European Association for Research on Learning and Instruction, Aachen, Germany (Invited Symposium Organizer).

“The Neuroscience of Social Learning,” May 4, 2019, Learning and the Brain, New York, NY (Invited Workshop Co-Organizer).

“Mind, Brain and Education: Research, Policy and Practice Collaboratory,” October 9, 2017, New York University (Workshop Organizer).

“Neuroscience in the Classroom,” June 25, 2016, SiG Neuroscience and Education Meeting, Amsterdam, The Netherlands (Symposium Organizer).

"Extrastriate Cortex: Functional Organization Faces and Objects", October 15, 2012, Society for Neuroscience Annual Meeting, San Diego, CA (Nanosymposium Organizer)

Invited Talks

Rutgers University, Learning Sciences Brown Bag, March 2, 222.

University of Connecticut, The Brain Imaging Research Center, March 1, 2021.

Tel Aviv University, Department of Psychology Colloquium, November 2, 2020

Gallaudet University, Program in Educational Neuroscience, February 20, 2020.

California State University Pomona, Biology Department, February 10, 2020.

University of Washington, Biology Department, January 15, 2020.

University of Connecticut, Neag School of Education, December 5, 2019.

Florida International University, Psychology Department, November 12, 2019.

New York University, Developmental Psychology Colloquium, October 9, 2019.

Stanford University, Graduate School of Education, November 2, 2018.

The New School, Psychology Department, February 23, 2018.

CUNY Graduate Center, Educational Psychology Department, October 30, 2017.

UT Arlington, College of Education, September 15, 2017.

Columbia University, Psychology Department, May 10, 2017.

NYU, Department of Teaching and Learning, October 26, 2016.

MIT, Kanwisher Lab, October 9, 2012.

Stanford University, Psychology Department, September 20, 2012.

Extracurricular & Science Outreach Activities

2016-Present **Facilitator, Math for America.**

- Facilitated mini-courses for high school math and science teachers on neuroscience teaching and translation of neuroscience research into classroom practices.

2014-2016 **Science Mentor, New York Academy of Sciences.**

- Taught a life sciences curriculum in an after school enrichment program for middle school students.
- Developed and taught a hands-on neuroscience program for middle school students.

2014-2017 **City Coordinator, Taste of Science**

- Directed a team of volunteers to organize science events for the general public throughout New York City as part of an international science festival spanning across 12 countries around the world.
- Raised funds and arranged publicity for the festival.

2013-2019 **Volunteer & Event Coordinator, The Greater New York City Chapter of the Society for Neuroscience**
- Organized public events and volunteered in school visits, Brain Awareness Week and World Science Festival.

2009-2013 **Volunteer, The Weizmann Institute Community Outreach, Israel**
- Volunteered and lectured at various science outreach events and mentored high school students in a summer research program.

2010-2012 **Instructor, Ostrovsky High School, Israel**.
- Taught learning strategies and neuroscience.
- Served as a scientific consultant on a novel student leadership-building project.

2006-2007 **Instructor, The Michael Method, Israel.**
- Mentored high-school students as part of an after school program aimed at fulfilling individual potential to attain excellence.

Professional Service

Associate Editor: Mind, Brain, and Education (since October 2021)

Guest Co-Editor: *CBE-Life Sciences Education*, Themed Issue on "Cross-disciplinary research on biology education." (published in September 2020)

Grant Review Panelist: NSF (2015, 2022), NIH (2020)

Executive Committee member: UConn's Brain Imaging Research Center (BIRC);
The Connecticut Institute for the Brain and Cognitive Sciences (IBACS)

Ad hoc reviewer: Mind, Brain and Education; Neuroimage; Frontiers in Human Neuroscience; The Journal of Neuroscience; Social Cognitive and Affective Neuroscience; CBE: Life Sciences Education; Journal of Science Education and Technology

Reviewer (annual conference): International Society of the Learning Sciences; National Association for Research in Science Teaching

Member: National Association for Research in Science Teaching; International Mind, Brain and Education Society; American Educational Research Association; Society for the Advancement of Biology Education Research; European Association for Research on Learning and Instruction; Society for Neuroscience.