

Michael Barkasi

Curriculum Vitae

Oviedo Lab
Department of Neuroscience
Washington University School of Medicine in St. Louis
St. Louis, Missouri

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May 2026

Education

- 2015. Ph.D. Philosophy. [Rice University](#). Supervisor: C. O'Callaghan ([dissertation](#)).
- 2011. M.A. Philosophy. [Rice University](#). Supervisor: R. Grandy ([thesis](#)).
- 2009. B.A. Philosophy. [Kutztown University of Pennsylvania](#), minors in Maths and Physics. *Summa Cum Laude*.

Academic Positions

Research

- 2024–P. [Washington University School of Medicine in St. Louis](#): Staff Scientist, [Oviedo Lab](#), Department of Neuroscience. Supervisor: H. Oviedo.
- 2023. [York University](#): Postdoctoral Visitor, [Harris Multisensory Integration Lab](#), Centre for Vision Research. Supervisor: L. R. Harris.
- 2018–20. [University of Toronto](#): Postdoctoral Research Fellow, [Network for Sensory Research](#). Supervisor: M. Matthen.
- 2012–13. [Rice University](#): Research Assistant, The Senses Project at Rice. Supervisor: C. O'Callaghan.

Teaching

- 2023–24. [Washington University in St. Louis](#): Lecturer, Philosophy and Philosophy-Neuroscience-Psychology.
- 2022. [University of British Columbia](#): Sessional Lecturer, Philosophy.
- 2020–21. [York University](#): Sessional Instructor, Philosophy and Cognitive Science.
- 2018. [Lebanon Valley College](#): Adjunct Instructor, Philosophy.
- 2016–17. [Kutztown University of Pennsylvania](#): Visiting Assistant Professor of Philosophy.
- 11–12, 16. [Lone Star College](#): Adjunct Instructor, Philosophy.
- 2015. [Rice University](#): Adjunct Instructor, Program in Writing and Communication.
- 2011. [Houston Community College](#): Adjunct Instructor, Philosophy.

Affiliations

- 2022–P. [Université Grenoble Alpes](#): Associate Member, [Centre de Philosophie de la Mémoire](#) (Centre for Philosophy of Memory).
- 2013–22. [American Philosophical Association](#): Regular Membership, Central Division.

Industry Work

- 2021–22. [Using sonification to train people's movements](#), Academic-Industry Partnership between Performance Sonification Corp. and Harris Multisensory Integration Lab, Centre for Vision Research, York University, Toronto.
- 2021–22. [Performance Sonification Corp](#) (Pre-Seed Exploratory Startup): Founder and Lead Technology Developer. Corporation dissolved September 2022 and all intellectual property released into public domain.

Awards and Funding

- ◊2024. [Mellon Redefining Doctoral Education in the Humanities \(RDE\) Cluster Grant](#), Washington University in St. Louis, \$37,000 (w/ A. Hazlett, G. Siegel, and C. Craver). Role: Development of potential pilot practical AI seminar for philosophy and engineering students, invitation of outsider speaker to [Philosophy of Emerging Technologies](#) workshop series.
- ◊2023. Ampersand [Course Development Grant](#), Washington University in St. Louis, \$7,500 (w/ E. Harrison). Program title: [The mind-body connection: what makes us and moves us](#). Role: Proposal development, course development.
- 2021. Runner up, [Philosophy of Memory Essay Prize](#), Centre de Philosophie de la Mémoire (Centre for Philosophy of Memory), Université Grenoble Alpes. "Memory as sensory modality, perception as experience of the past"
- 2015. [Robert Alan and Kathryn Dunlevie Hayes Dissertation Completion Fellowship](#). Department of philosophy, Rice University.
- 2009–14. Awarded various competitive [travel stipends](#) as a student for conferences from my home departments and universities (\$7,000 total).
- 2009. [Dr. Carlson R. Chambliss Academic Achievement Award](#) (Silver). Kutztown University of Pennsylvania.
- 2008. [Helen Marcks Scholarship](#) for undergraduate honors thesis. Honors Program, Kutztown University of Pennsylvania.

Research

- Areas: [Computational neuroscience](#), [molecular neuroscience](#), [electrophysiology](#), [transcriptomics](#), and [neuromorphic computing](#) (2024–P), cognitive psychology (2021–2024), philosophy of mind (2013–2024).
- Topics: [Neural circuits for speech extraction](#), [molecular mechanisms for auditory cortex lateralization](#), and [lateralized recurrent pathways](#) (2024–P), movement sonification (2021–2024), multimodal perception, phenomenal consciousness, and mental representation (2013–2024).

Skills

- Maths: Nonlinear models (sigmoidal, exponential decay, deep neural networks), linear models (GLMs, LMMs), multivariate and mixed-effects statistical analysis with bootstraps or MCMC, spatial geometry (coordinate transformations and vector spaces, quaternions, Lie groups), optimization, hidden-state Bayesian inference, signal processing, dynamical systems, differential equations.
- Coding: C/C++, R, Python, LaTeX.
- Hardware: Arduino, KiCad, FreeCAD, PCB design, digital sound synthesis (class-D amplifiers), embedded hardware and microprocessors (Cortex M4, ESP32), inertial sensors.

Coding Portfolio

Modeling Software

- 2026. [DACx: Digital auditory cortex](#), R/C++ package for running biologically realistic simulations of the mammalian auditory cortex, i.e., a "digital twin". Network topologies are built from circuit motifs and spiking is simulated via growth-transform. [R package](#), [Rcpp](#), [C++](#) | [GitHub](#) | [Documentation](#)
- 2025. [neuronsDG](#), R/C++ package for estimating auto- and cross-correlation in the spiking of single neurons with dichotomized Gaussians. [R package](#), [Rcpp](#), [C++](#) | [GitHub](#) | [Documentation](#)
- 2025. [wispack](#), warped sigmoidal Poisson-process mixed-effects models for testing for functional spatial effects in spatial transcriptomics data. [R package](#), [Rcpp](#), [C++](#) | [GitHub](#) | [Documentation](#) | [Paper](#) | [Preprint](#)

- 2024. [Hidden-state Bayesian learning](#), simulated Bayesian reasoner who learns a reach target based on auditory feedback, intended for modeling sonification data. [R scripts](#), [C++](#) | [GitHub](#)
- 2023. [Generalized linear modeling \(GLM\)](#), demo of task-dependent somatomotor cortex responses from simulated fMRI data. [Python](#), [CoLab](#) | [GitHub](#)
- 2023. [Heuristics-based physical symbol system simulation](#), instructional demo, algorithm solves a version of the river-crossing problem. [Python](#), [CoLab](#) | [GitHub](#)
- 2022. [Two-pivot reach model](#) for real-time motion tracking of position through Cartesian space from raw embedded gyroscope readings. [C++](#), [Arduino](#) | [GitHub](#)

Statistics and Data Analysis

- 2025. [Bayesian MCMC parameter estimation](#), instructional demo on how to use Markov-chain Monte Carlo (MCMC) simulations to estimate parameters with Bayes' rule. [R scrip](#) | [GitHub](#)
- 2024. [Kinematic data analysis, full pipeline](#), data synchronization, signal filtering, linear mixed-effects modeling, and nonparametric bootstrapping, used for post-processing and statistical significance testing of kinematic and accuracy data (optical and inertial) from motor control study involving reaches with movement sonification. [R scripts](#) | [GitHub](#) | [Paper](#)
- 2023. [Sentiment analysis with deep neural network](#), instructional demo performing sentiment analysis of IMDb movie reviews with explanation of network opacity. [Python](#), [CoLab](#), [PyTorch](#) | [GitHub](#)
- 2023. [Linear decoding](#) (logistic regression), demo of motor tasks from simulated somatomotor cortex fMRI data. [Python](#), [CoLab](#) | [GitHub](#)
- 2023. [Single-layer neural network](#) (McCulloch-Pitts Neuron), instructional demo on learning with the Perceptron Convergence Rule. [Python](#), [CoLab](#) | [GitHub](#)

Hardware and Embedded Systems

- 2024. [Movement sonification hardware code](#) for real-time embedded (wearable) sensor system which tracks motion via inertial sensors at 1kHz while providing auditory feedback with only 1–2ms latency. [C++](#), [Arduino](#), [ESP32](#) | [GitHub](#)
- 2021. [Two-timer pulse-width modulation \(class-D amplifier\)](#) for low-overhead bare-metal digital sound synthesis on single-core embedded processors. [C++](#), [Arduino](#), [Cortex M4F](#), [ESP32](#) | [GitHub](#)

Publications

Science Journal Articles

- 2026. Barkasi, M., Pham, C. N., Neophytou, D., and Oviedo, H. V., “[Logistic regression for estimating functional effects with spatial transcriptomics](#)”, *Nucleic Acids Research*, 54: gkag466: 1–27. [10.1093/nar/gkag466](#). | 2025 preprint: *BioRxiv*. [10.1101/2025.06.11.659209](#)
- 2024. Barkasi, M., Bansal, A., Björn, J., and Harris, L. R., “[Online reach adjustments induced by real-time movement sonification](#)”, *Human Movement Science*, 96: 103250: 1–17. [10.1016/j.humov.2024.103250](#). | 2024 preprint: *PsyArXiv*. [10.31234/osf.io/6xfv3](#)

Philosophy Journal Articles and Book Chapters

- j*202x. Barkasi, M., “[Memory and representation](#)”, in *The Oxford Handbook of Philosophy of Memory*, edited by Sant’ Anna, A. and Craver, C. F., Oxford University Press. (under contract)
- *2024. Barkasi, M., “[When is now? How temporally shifting dreams illuminate the feeling of pastness](#)”, in *Dreaming and Memory: Philosophical Issues*, Synthese Library, vol 491, pp. 279–301, edited by Gregory, D. and Michaelian, K., Springer. [10.1007/978-3-031-68204-9_13](#)
- 2024. Barkasi, M. and Openshaw, J., “[Perceiving objects the brain does not represent](#)”, *Phenomenology and the Cognitive Sciences*. [10.1007/s11097-024-10007-w](#)

- *2024. Barkasi, M., “Consumer-side reference through promiscuous memory traces”, *Synthese* (Topical Collection, *Reference and Remembering*, edited by Openshaw, J., Michaelian, K., and Perrin, D.), 203(86): 1–26. [10.1007/s11229-024-04509-y](https://doi.org/10.1007/s11229-024-04509-y)
2024. Perrin, D. and Barkasi, M., “Immersing oneself into one’s past: Subjective presence can be part of the experience of episodic remembering”, *Philosophy and the Mind Sciences*, 5(27): 1–30. [10.33735/phimisci.2024-10392](https://doi.org/10.33735/phimisci.2024-10392)
- †2023. Barkasi, M., “Memory as sensory modality, perception as experience of the past”, *Review of Philosophy and Psychology*, 14(3): 791–809. [10.1007/s13164-021-00598-7](https://doi.org/10.1007/s13164-021-00598-7)
2022. Barkasi, M. and Sant’Anna, A., “Reviving the naïve realist approach to memory”, *Philosophy and the Mind Sciences*, 3(14): 1–30. [10.33735/phimisci.2022.9192](https://doi.org/10.33735/phimisci.2022.9192)
2021. Barkasi, M., “What blindsight means for the neural correlates of consciousness”, *Journal of Consciousness Studies*, 28(11–12): 7–30. [10.53765/20512201.28.11.007](https://doi.org/10.53765/20512201.28.11.007)
2021. Rosen, M. G. and Barkasi, M., “What makes a mental state feel like a memory: Feelings of pastness and presence”, *Estudios de Filosofía*, 64: 95–122. [10.17533/udea.ef.n64a05](https://doi.org/10.17533/udea.ef.n64a05)
2021. Barkasi, M., “Are there epistemic conditions necessary for demonstrative thought?”, *Synthese*, 198(7): 6111–6138. [10.1007/s11229-019-02453-w](https://doi.org/10.1007/s11229-019-02453-w)
2021. Barkasi, M., “What should the sensorimotor enactivist say about dreams?”, *Philosophical Explorations*, 24(2): 243–261. [10.1080/13869795.2021.1908575](https://doi.org/10.1080/13869795.2021.1908575)
2021. Barkasi, M., “Does what we dream feel present? Two varieties of presence and implications for measuring presence in VR”, *Synthese*, 199: 2525–2551. [10.1007/s11229-020-02898-4](https://doi.org/10.1007/s11229-020-02898-4)
2020. Barkasi, M., “Some hallucinations are experiences of the past”, *Pacific Philosophical Quarterly*, 101(3): 454–488. [10.1111/papq.12320](https://doi.org/10.1111/papq.12320)
2020. Barkasi, M. and Rosen, M. G., “Is mental time travel *real* time travel?”, *Philosophy and the Mind Sciences*, 1(1): 1–27. [10.33735/phimisci.2020.1.28](https://doi.org/10.33735/phimisci.2020.1.28)
2019. Barkasi, M., “The role of experience in demonstrative thought”, *Mind & Language*, 34(5): 648–666. [10.1111/mila.12228](https://doi.org/10.1111/mila.12228)
- ‡2008. Holowchak, M. A. with Barkasi, M., “An impromptu visit to Rien-à-Faire: A tribute to Bernard Suits”, *Journal of the Philosophy of Sport*, 35(2): 111–119. [10.1080/00948705.2008.9714733](https://doi.org/10.1080/00948705.2008.9714733)

General Audience and Textbooks

2026. Grandy, R., Barkasi, M., and Reagan, J., *Mathematical Logic*, edition 1.0.0, [Open Access](https://openaccess.utoronto.ca/mathematical-logic/), [CC BY-NC 3.0](https://creativecommons.org/licenses/by-nc/3.0/), January 10.
2024. Barkasi, M. “Failure, camaraderie, and shared embodied learning”, *Blog of the American Philosophical Association*, Professor Reflection Series, August 28.
- *2022. Barkasi, M., “Perceiving is imagining the past”, *The Junkyard: A Scholarly Blog Devoted to the Study of Imagination*, January 12.
2021. Barkasi, M., “What dreams and smartphones can teach VR developers about presence”, *LinkedIn*, August 12.
2021. Barkasi, M., “How digital fluency isolates us”, *Medium*, March 16.

Preprints

2025. Barkasi, M., “Audioproprioceptive sensory substitution: A test case for acquaintance”, *PsyArXiv*, [10.31234/osf.io/bv5hn_v1](https://doi.org/10.31234/osf.io/bv5hn_v1)
2023. Barkasi, M., Clouser, L., and Harris, L. R., “Ultra-responsive, low-dimensional unfamiliar movement sonification guides unconstrained reaches to invisible targets in 3D space”, *PsyArXiv*. [10.31234/osf.io/4ax8n](https://doi.org/10.31234/osf.io/4ax8n)

Presentations

Conference, Workshop, and Colloquium Talks

- 2025. “[Is the population doctrine consistent with transcriptomic circuit mapping?](#)”, *A Population Doctrine in Neuroscience Workshop*, The Center for Philosophy of Science, University of Pittsburgh. Pittsburgh, Pennsylvania. October 25–26..
- 2025. “[Testing for relationships between spatially variable neural computational function and spatially variable gene expression](#)”, 1st Annual Meeting of the Society for Philosophy and Neuroscience (SPAN). Saint Louis, Missouri. May 1–3.
- *2024. “[The fluent-sign theory of phenomenal consciousness](#)”, Mind & Cognition Research Group, Purdue University. West Lafayette, Indiana. April 5.
- *2024. “[Are accurate experiences necessarily phenomenally faithful?](#)”, *Accuracy in Perception and Memory*, Universidade Federal de Goiás and Université de Genève. Virtual Conference. February 27–29.
- 2023. “[The fluent-sign theory of phenomenal consciousness](#)”, 1st Annual Web Conference of the International Society for the Philosophy of the Sciences of the Mind (ISPSM2023). Virtual Conference. November 24–25.
- *2022. “[Remembering what your brain doesn’t](#)”, Bochum-Grenoble Memory Colloquium, Ruhr Universität Bochum and Université Grenoble Alpes. Virtual Talk. April 12.
- *2022. “[Audioproprioceptive sensory substitution: A test case for acquaintance](#)”, Mind and Perception Group Speaker Series, Washington University in St. Louis. Virtual Talk. January 28.
- *2021. “[Sonifying explosive sport movements: How, why, and what it shows about bodily awareness](#)”, Cognition, Action, & Perception Speaker Series, University of Cincinnati. Virtual Colloquium Talk. October 29.
- 2021. “[Perception as experience of the past](#)”, The 95th Joint Session of the Aristotelian Society and the Mind Association. Open Session. Virtual Conference. July 16–18.
- 2021. “[Some hallucination is experience of the past](#)”, American Philosophical Association (APA) Pacific Division Meeting. Colloquium paper. Virtual Conference. April 5–10.
- *2021. “[The nonimmersive feeling of pastness as the phenomenal manifestation of remembering](#)”, *Dreaming and Memory*, Philosophy of Neuroscience Group (Tübingen) and the Centre for Philosophy of Memory (Université Grenoble Alpes). Virtual Conference. February 22–23.
- 2021. “[Does what we dream feel present? Two varieties of presence](#)”, American Philosophical Association (APA) Eastern Division Meeting. Colloquium paper. Virtual Conference. January 15.
- 2020. “[Is mental time travel real time travel?](#)”, w/ Rosen, M. G., 112th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP). Contributed Session: Memory. Virtual Conference. December 3–5.
- 2019. “[Conscious blindsight—but still unconscious sight](#)”, 45th Annual Meeting of the Society for Philosophy and Psychology (SPP). Contributed Session: Consciousness and Cognition. San Diego, California. July 10–13.
- 2019. “[What should the externalist say is missing from dream experience?](#)”, *Dreams, Hallucinations and Imagination*, the Centre for the Study of Perceptual Experience (University of Glasgow). Glasgow, Scotland. February 23–24.
- 2019. “[The role of visual representations in seeing](#)”, American Philosophical Association (APA) Central Division Meeting. Colloquium paper. Denver, Colorado. February 20–23.
- 2016. “[Distinguishing perception and cognition via the perceptual landscape](#)”, *Rice Summer Workshop on the Interface Between Perception and Thought*. Rice University. Houston, Texas. May 5–6.
- 2014. “[An argument for naïve realism from demonstrative thought](#)”, American Philosophical Association (APA) Pacific Division Meeting. Colloquium paper. San Diego, California. April 16–20.
- 2014. “[A user’s guide to epistemic modals](#)”, American Philosophical Association (APA) Central Division Meeting. Colloquium paper. Chicago, Illinois. February 26–March 1.
- 2013. “[Introducing objects for thought: or, why we need to revisit an old argument for naïve realism](#)”, *Perception and Concepts*, the 9th International Symposium of Cognition, Logic and Communication. University of Latvia. Riga, Latvia. May 16–18.

- 2011. “[Getting straight on epistemic modals](#)”, The Arché/CSMN Graduate Conference. University of St Andrews. St Andrews, Scotland. October 8–9.
- 2008. “[Plato’s generation of number in the *Parmenides*](#)”, The 26th annual joint meeting of Society for Ancient Greek Philosophy (SAGP) with the Society for the Study of Islamic Philosophy (SSIPS). New York, New York. October 24–26.

Local Presentations

- 2026. “[Estimating between-group spatial effects from spatial transcriptomics data with wisp](#)”, Department of Neuroscience Research Talk. Washington University in St. Louis. Saint Louis, Missouri. April 28.
- 2025. “[Spatial transcriptomics as a tool to investigate the molecular mechanisms \(or their failure\) behind language deficits](#)”, Fall Data Blitz, Unifying Approaches: Neuroscience Across Clinical and Preclinical Intellectual and Developmental Disabilities Research. Washington University in St. Louis. Saint Louis, Missouri. October 14.
- 2025. “[Transcriptomics: The next big thing in philosophy?](#)”, Philosophy of Emerging Technology Seminar Series (PET). Washington University in St. Louis. Saint Louis, Missouri. February 14.
- 2024. “[Online reach adjustments induced by real-time movement sonification](#)”, Department of Psychological and Brain Sciences, Behavior, Brain, and Cognition (BBC) Work-in-Progress Talk. Washington University in St. Louis. Saint Louis, Missouri. March 27.
- 2023. “[The fluent-sign theory of phenomenal consciousness](#)”, Philosophy Department Work-in-Progress Talk. Washington University in St. Louis. Saint Louis, Missouri. November 3.
- 2023. “[Untangling task-based functional connectivity: Methodology matters in brain studies](#)”, Neuromatch Academy: Computational Neuroscience, Student Presentation (w/ group). Virtual Talk. July 28.
- *2023. “[The senses in memory: A multimodal investigation of causal links in remembering](#)”, Internal Seminar, Centre for Philosophy of Memory, Université Grenoble Alpes. Virtual Talk. May 8.
- *2023. “[Audioproprioceptive sensory substitution: A test case for acquaintance](#)”, Internal Seminar, Centre for Philosophy of Memory, Université Grenoble Alpes. Virtual Talk. March 20.
- *2022. “[Remembering what your brain doesn’t](#)”, Internal Seminar, Centre for Philosophy of Memory, Université Grenoble Alpes. Virtual Talk. July 15.
- 2016. “[Does your brain see everything you do?](#)”, Philosophy Club Talk. Kutztown University of Pennsylvania. Kutztown, Pennsylvania. September 8.
- 2013. “[An attention-based account of demonstrative thought](#)”, Philosophy Department Work-in-Progress talk. Rice University. Houston, Texas. October 25.
- 2013. “[Perception and the content of demonstrative thought](#)”, The International Summer School in Cognitive Sciences and Semantics (ISSCSS), Student Presentation. University of Latvia. Riga, Latvia. July 17.
- 2013. “[Why we can think about what we perceive](#)”, Philosophy Department Work-in-Progress talk, cosponsored by the Rice Humanities Research Center Mind and Perception Workshop and The Senses Project at Rice. Rice University. Houston, Texas. April 17.
- *2011. “[A reconstruction of the Frege-Hilbert controversy](#)”, The Student Mathematical Philosophy Seminar (Mathematics Department Local Talk Series). Rice University. Houston, Texas. June 2.
- *2011. “[Heyting algebras and Kripke models for intuitionistic logic](#)”, Guest Lecture in R. Grandy’s seminar in advanced logic. Rice University. Houston, Texas. March 11.
- 2010. “[Epistemic modals: Assessment, retraction and dispute](#)”, Philosophy Department Work-in-Progress Talk. Rice University. Houston, Texas. November 17.

Comments

- *2024. Commentator on “In defense of the essentially epistemic nature of episodic memory”, by Goldwasser, S., and Springle, A., 115th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP). Cincinnati, Ohio. March 21–23.
- *2021. Commentator on “There are no object files”, by Nanay, B., Neural Mechanisms Online. Virtual Workshop Talk. March 19.

2019. Commentator (*in absentia*, comments read by session chair) on “Cognitive abilities and the Clarkian extended mind”, by King, C., American Philosophical Association (APA) Pacific Division Meeting. Vancouver, British Columbia. April 17–20.

Service

- ad hoc*. [Science journal referee](#) for *Philosophical Transactions of the Royal Society B: Biological Sciences*, *Consciousness and Cognition*, *PLOS ONE*, *AJOB Neuroscience (American Journal of Bioethics)*, *International Journal of Speech Technology*, and *New Ideas in Psychology*.
- ad hoc*. [Philosophy journal referee](#) for the *Journal of Philosophy*, *Australasian Journal of Philosophy*, *Philosophical Studies*, *Mind & Language*, *Analysis*, *Philosophy*, *Thought*, *Synthese*, *Philosophical Quarterly*, *Dialectica*, *Philosophical Psychology*, *Journal of the American Philosophical Association*, *Grazer Philosophische Studien*, *Asian Journal of Philosophy*, *International Journal of Philosophical Studies*, *Journal of Consciousness Studies*, *Review of Philosophy and Psychology*, *Philosophy and the Mind Sciences*.
- ad hoc*. [Book manuscript referee](#) for Hackett Publishing.
- 2023, 25. [Conference referee](#) for the *Southern Society for Philosophy and Psychology (SSPP)*.
- 2023–24. [Undergraduate advisor](#) (honors theses, study abroad, course selection) for the Philosophy-Neuroscience-Psychology program at Washington University in St. Louis.
- 2020, 23–4 [Conference referee](#) for the *Society for Philosophy and Psychology (SPP)*.
2019. Co-organized [Experiencing What’s Not There: A Workshop on Hallucinations, Dreams, Imagination, and Virtual Reality](#), w/ M. Matthen, as part of the Network for Sensory Research. Hosted at the University of Toronto (St. George campus). June 7–8.
2019. Technology demo session chair for [Thoughts and Reactions](#), an interdisciplinary workshop on how technology and multimodal perception are implicated in learning. Hosted at the University of Toronto (Mississauga campus). March 6–7.
2018. Organized a [philosophy of mind reading group](#) at the University of Toronto (St. George campus). Fall semester.
2017. Philosophy committee representative to the [Technology Committee](#) of the College of Liberal Arts and Sciences, Kutztown University of Pennsylvania. Spring semester.
- 2014, 16. Judge for the [Houston High School Ethics Bowl](#). Hosted by the Rice University Department of Philosophy.
- 2013–15. Graduate representative to the Rice philosophy faculty.
2014. [Symposium chair](#) at the American Philosophical Association (APA) Eastern Division Meeting. Philadelphia. December 27–30.
2013. Co-organized [How Perception Makes Things Available for Thought](#), w/ C. O’Callaghan, a workshop of the Senses Project at Rice. Hosted at Rice University. November 8–9.
- 2012–13. Co-organized, w/ C. O’Callaghan, a [philosophy of mind and perception reading group](#) at Rice University ([website](#)). Fall 2012 to fall 2013.
2010. Organized the Rice Department of Philosophy [work-in-progress talk series](#). Fall semester.

University Teaching

Cognitive Science and Philosophy of Mind Courses

2024. PNP/Phil 315: [Philosophy of Mind](#). Washington University in St. Louis.
2024. PNP 200: [Introduction to Cognitive Science](#). Washington University in St. Louis.
2023. PNP 390: [Reading Class \(Senior Capstone\): Deep Learning](#). Washington University in St. Louis.
- ^z2022. Phil 446: [Philosophy of Psychology](#). University of British Columbia.
- ^z2021. Cogs/Phil 3750: [Philosophy of Artificial Intelligence](#). York University.
- ^z2020. Cogs/Phil 2160: [Minds, Brains, and Machines](#). York University.
2015. Fwis 129: [Objectivity in Perception](#). First-year writing-intensive seminar. Rice University.

Philosophy Courses

- ^h2018. Phl 110: [The Examined Life](#). Lebanon Valley College.
- 2017. Phi 280: [American Philosophy: Pragmatism](#). Kutztown University of Pennsylvania.
- 2017. Phi 030: [Introduction to Philosophy](#). Kutztown University of Pennsylvania.
- 2016. Phi 235: [Topics in Moral Theory: Virtue Ethics](#). Kutztown University of Pennsylvania.
- 2014. Phil 106: [Logic](#). Rice University.
- 2011. Phil 2306: [Introduction to Ethics](#). Lone Star College.

N.B. Courses listed by the last year taught, not all sections at all schools listed.

Continuing Education

- 2024. [TRIADS Training Series: Getting Started with High Performance Computing at WashU](#), Transdisciplinary Institute in Applied Data Sciences, Washington University in St. Louis. March, Four workshops.
- 2023. [Neuromatch Academy: Computational Neuroscience](#), [Neuromatch](#). Full-time, July 10–28.
- 2019. [Predictive Vision Philosophy Workshop](#), hosted by the York University Department of Philosophy. June 9.
- 2019. [Neural Mechanisms Online Webinar Series 2019](#), sponsored by the Center for Logic, Language and Cognition and the University of Turin. Spring to summer.
- 2015. [The 2nd Annual Symposium on Teaching and Learning](#), an all-day workshop by the Rice Center for Teaching Excellence (CTE). January 15.
- 2014. Rice Program in Writing and Communication (PWC) [two-day workshop on designing writing-intensive courses](#) for new instructors teaching first-year writing intensive seminars (FWIS). December 9–10.
- 2014. [Pedagogy Workshops](#), Center for Teaching Excellence, Rice University. Eight workshops.
- 2013. [Phil 757: Philosophy Pedagogy](#), a 2 credit-hour, semester-long teaching seminar at Rice (w/ Richard Grandy). Fall semester.
- 2013. [5th Graduate International Summer School in Cognitive Sciences and Semantics](#) (ISSCSS) on perception, co-organized by the Center for Cognitive Sciences and Semantics at the University of Latvia and the Department of Philosophy at McMaster University and hosted by the University of Latvia. July 19–29.
- 2012. [5th North American Summer School in Logic, Language and Information](#) (NASSLLI), organized by the Association for Logic, Language and Information (FoLLI) and hosted by the University of Texas, Austin. June 18–22.
- 2010. [22nd European Summer School in Logic, Language and Information](#) (ESSLLI), organized by the Association for Logic, Language and Information (FoLLI) and hosted by the University of Copenhagen. August 9–20.
- 2010. [Carnegie Mellon Summer School in Logic and Formal Epistemology](#). June 7–25.
- 2009–10. [Mathematics coursework at Rice University](#): Math 463: Abstract Algebra II, Math 464: Abstract Algebra III, Math 371: Lie Theory.

References

Hysell Oviedo. Assistant Professor. Department of Neuroscience, Washington University in St. Louis.
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Casey O’Callaghan. Professor. Department of Philosophy, Washington University in St. Louis.
casey.ocallaghan@wustl.edu

Laurence Harris. Professor. Department of Psychology, York University.
harris@yorku.ca

Kourken Michaelian. Professor. Institut de Philosophie de Grenoble, Université Grenoble Alpes.
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Key and Notes

- * Invited ‡ Special issue introduction (not peer-reviewed) j Upcoming
- z online course h hybrid in-person/online course
- † Runner up, [Philosophy of Memory Essay Prize](#) (2021), Centre de Philosophie de la Mémoire (Centre for Philosophy of Memory), Université Grenoble Alpes
- ◇ Assisted only in grant proposal development; not active in the program execution after grant awarded due to position change.