

# Wayne Wei-En Wu

## *Curriculum Vitae*

History and Philosophy of Science  
Center for the Neural Basis of Cognition  
University of Pittsburgh

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### EMPLOYMENT

- 2025-Present**     **University of Pittsburgh**  
Professor  
Department of History and Philosophy of Science  
Center for the Neural Basis of Cognition
- 2023 (Fall)**     **Columbia University**  
Fellow, Italian Academy of Advanced Studies in America
- 2010-2024**     **Carnegie Mellon University**  
Professor (July 1, 2024)  
Department of Philosophy (2020 to present)  
Neuroscience Institute (2019 to present)  
Center for the Neural Basis of Cognition (2010 to Present)
- Associate Director**  
Center for the Neural Basis of Cognition (2010 to 2019)
- 2006-2010**     **The Ohio State University**  
Assistant Professor  
Department of Philosophy

### EDUCATION

- 1998-2005**     **University of California, Berkeley**  
Ph.D. Philosophy
- 1997-8**     **Oriel College, University of Oxford**  
Visiting Graduate Student, Philosophy
- 1995-8**     **University of Pittsburgh**  
Ph.D. Student in History and Philosophy of Science
- 1991-93**     **University of California, Berkeley**  
M.A. Molecular and Cell Biology  
Howard Hughes Medical Institute Predoctoral Fellow
- 1987-91**     **Massachusetts Institute of Technology**  
B.S. Biology (February 1991)

## RESEARCH AREAS

Philosophy of Mind, Philosophy of Cognitive Science (psychology and neuroscience), Philosophy of Perception and Philosophy of Action

## PRESENT RESEARCH TOPICS

Attention and Social Media/AI, Distraction, Biased Attention, Skill in Attention, Attunement (preparatory attention), Norms of attention and attunement, intention as memory, working memory, cognitive attention, moral psychology of Iris Murdoch, introspection and the science of consciousness.

## BOOKS

1. *Movements of the Mind: A Theory of Attention, Intention and Action* (2023) Oxford University Press.
2. *Attention* (2014) Routledge *New Problems of Philosophy Series* (Revised edition in production, publication late 2024, early 2025)

## JOURNAL ARTICLES

1. Attention as Selection for Action Defended  
*Philosophy and Phenomenological Research* (Forthcoming)
2. We know what attention is!  
*Trends in Cognitive Science* (2024) 28 (4): 304-18
3. On Attention and Norms: An Opinionated Review of Recent Work  
*Analysis* (2024) 84 (1): 173-201
4. Is Vision for Action Unconscious?  
*The Journal of Philosophy* (2020) 117 (8):413-433
5. Action Always Involves Attention  
*Analysis* (2018) 114: 15-32.
6. Shaking the Mind's Ground Floor: The Cognitive Penetration of Visual Attention  
*The Journal of Philosophy* (2017) 114: 5-32.
7. Experts and Deviants: The Story of Agency  
*Philosophy and Phenomenological Research* (2016) 93:101-126
8. Against Division: Consciousness, Information and the Visual Streams  
*Mind and Language* (2014) 4:383-406  
  
Commentary by: David Kaplan, Pete Mandik and Thomas Schenk.  
*Philosophy of Brains Blog* in association with *Mind and Language*
9. Mechanisms of Auditory Verbal Hallucination in Schizophrenia  
*Frontiers in Psychiatry: Schizophrenia* (2013) 4:155.

With Ray Cho (University of Pittsburgh, Psychiatry)

10. The Case for Zombie Action  
*Mind* (2013) 122: 217-230.
11. Visual Spatial Constancy and Modularity: Does Intention Penetrate Vision?  
*Philosophical Studies* (2013) 165:647-669.
12. Explaining Schizophrenia: Auditory Verbal Hallucination and Self-Monitoring  
*Mind and Language* (2012) 27: 86-107.
13. What is Conscious Attention?  
*Philosophy and Phenomenological Research* (2011) 82: 93-120
14. Confronting Many-Many Problems: Attention and Agentive Control  
*Noûs* (2011) 45: 50-76.
15. Visual Attention, Conceptual Content and Doing it Right  
*Mind* (2008) 117: 1003-33

## **EDITED BOOKS**

*Attention: Philosophical and Psychological Issues* (2011) Oxford University Press, Eds: Christopher Mole, Declan Smithies and Wayne Wu

## **ENCYCLOPEDIA ARTICLES**

1. "Attention" for Open Encyclopedia of Cognitive Science (OECS). (2024) eds. M. Frank and A. Majid. OECS updates the MIT Encyclopedia of Cognitive Science: <http://oecs.mit.edu>
2. The Neuroscience of Consciousness. (2018) *The Stanford Encyclopedia of Philosophy*.  
Updated (2024) with Jorge Morales

## **POPULAR ARTICLES**

1. "The Price of Distraction" for *IAI News*, March 31<sup>st</sup>, 2021  
[https://iai.tv/articles/the-price-of-distraction-aid-1785?\\_aid=2020](https://iai.tv/articles/the-price-of-distraction-aid-1785?_aid=2020)

## **BOOK CHAPTERS**

1. Mineness and Introspective Data  
*Self-Experience: Essays on Inner Awareness*. Oxford University Press. (2023). Eds. Manuel Garcia-Carpintero and Marie Guillot.
2. Attending as Mental Acting  
*Mental Action and the Conscious Mind*. Routledge. (2022). Eds. Michael Brent and Lisa Miracchi Titus

3. Agency, Consciousness and Attention  
Routledge Handbook of Agency. Routledge. (2022). Ed. Luca Ferrero
4. Automaticity, Control and Attention in Skill  
*Routledge Handbook of Skill*. Routledge (2021). Eds. Ellen Fridland and Carlotta Pavese.
5. Attention and the Expansion of Peripersonal Space after Tool Use  
The World at our Finger Tips. Oxford University Press (2021). Eds. Frederique de Vignemont, Andrea Serino, Hong Yu Wong, and Alessandro Farne
6. Attention and Consciousness  
Routledge Handbook of Consciousness. Routledge (2018). Ed. Rocco Gennaro
7. Attention and Perception: A Necessary Connection?  
Current Controversies in Philosophy of Perception. Routledge (2016). Ed. Bence Nanay
8. The Cognitive Penetration of the Dorsal Visual Stream?  
With Brad Mahon (CMU, Psychology).  
*The Cognitive Penetration of Perception*. Oxford University Press (2015).  
Eds. J. Zembeikis and T. Raftopoulos
9. Mental Action and the Threat of Automaticity  
*Decomposing the Will*. Oxford University Press (2013) Eds. T. Vierkant, J. Kiverstein and A. Clark.
10. Attention as Selection for Action  
Attention: Philosophical and Psychological Issues. Oxford University Press (2011) Eds. C. Mole, D. Smithies and W. Wu

## COMMENTARIES

1. On Possible and Actual Human Introspection  
*Journal of Consciousness Studies* (2024) 30: 223-34
2. Attention and cognitive penetration: reflections on Dustin Stokes' *Thinking and Perceiving*  
*Philosophical Studies* (2023)
3. Is Inner Speech the Substrate of AVH?  
With Ray Cho  
*Frontiers in Psychiatry: Schizophrenia* (2014) 5:75.
4. Being in the Workspace, from a Neural Point of View  
*Philosophical Studies* (2014) 170:163-174

## BOOK REVIEWS

1. Review of Sebastian Watzl's *Structuring Mind: The Nature of Attention*

*Mind* (2019) 128: 945-53

2. Review of Barbara Montero's Thought in Action  
*Australasian Journal of Philosophy* (2018) 96:408-10
3. Review of Jesse Prinz's *The Conscious Brain*  
*Mind* (2014) 122:1174-1180.
4. Review of Eric Schwitzgebel's Perplexities of Consciousness  
With Sebastian Watzl  
*Mind* (2012) 121: 524-529.

## **IN PROGRESS BOOKS**

1. Book: *Attention*, 2<sup>nd</sup> Edition. Routledge New Problems of Philosophy Series  
Production: Copyediting
2. Book: *Attunement*. Semi-popular book on attunement as a subject's attentional potential (e.g. for Princeton UP).
3. Book. A Virtue of Attention. Popular book proposing a different framework than attention economy, focusing on virtues of attention.

## **IN PROGRESS ARTICLES**

1. "Maintenance, Working Memory and the Work of Intention" in *Neurocognitive Foundations of Mind*. Ed. Gualtiero Piccinini. Routledge.  
Submitted
2. "Attunement", paper on the concept of an attention potential and norms  
Submitted
3. "Sensitivity, Silencing and the Norms of Attunement", paper on implicit bias in memory and epistemic injustice  
In revision.

## **JOURNAL EDITORSHIPS**

1. WIREs Cognitive Science  
Section Editor, Philosophy  
2018-2023
2. Ergo: An Open Access Journal of Philosophy  
Original Section Editor, Philosophy of Mind  
2014-2018

## **INTERVIEWS**

1. With Anjie Cao  
Stanford Psychology Podcast, February 2023  
<https://stanfordpsypod.substack.com/p/85-wayne-wu-attention-from-a->

[philosophical](#)

2. With Richard Brown  
Consciousness Live! September 2019  
<https://onemorebrown.com/2019/09/29/wayne-wu-live/>
3. With Carrie Figdor  
New Books in Philosophy Podcast, April, 2015  
<https://podcasts.apple.com/us/podcast/wayne-wu-attention-routledge-2014/id426208821?i=1000364260226>

## **FORTHCOMING AND RECENT PRESENTATIONS (2021-4)**

“Attention, Attunement, Attention Economy” various lectures  
Central European University Summer School on Attention  
Budapest, Hungary  
July 2024

“Introspection and Attention”  
Philosophy of Mind Group  
Australasian National University, Canberra, Australia  
June 2024

“Automatic Under A Description”  
Conference on Agency  
University of New South Wales, Sydney Australia  
June 2024

“Attention Unified”  
Vision Sciences Society  
Symposium “Attention: Accept, Reject or Major Revisions”  
May 2024

“Attunement, AI and Education”  
Berkeley Orias Workshop: Visual Literacy in the Age of AI  
University of California, Berkeley  
April 2024

Author Meets Critics (with Sara Aronowitz, Matt Fulkerson, and Antonia Peacocke)  
Pacific APA Meeting  
Portland Oregon  
March 2024

“Attunement”  
Department of Philosophy  
University of Birmingham, UK  
October 2023, Online  
Philosophy of Mind Discussion Group

New York University  
October 2023

“The Mechanics of Bias: Attention and Memory”  
Conference on Attention and Memory  
University of Grenoble, Grenoble, France  
June 2023

Workshop on Mental Action and Attention  
University of Oslo, Oslo, Norway  
June 2023

“We know what attention is!”  
Vision Sciences Society  
Phi-Vis Satellite  
May 2023

“Is Vision for Action Unconscious?”  
Guest Lecture, Advanced Introduction to Consciousness  
Instructors: Ned Block and Matthias Michel  
Department of Philosophy  
New York University  
March 2023

“Blur”  
Department of Philosophy Colloquium  
Washington University, St. Louis  
March 2023

“Automatic Bias, Attention and Norms”  
Dynamics of Agency: Automaticity, Intentionality, and Change  
University of Helsinki, Helsinki, Finland  
January 2023

“Attention, Bias and Norms”  
Department of Philosophy Colloquium  
Carnegie Mellon University  
October 2022

“The Biology of Working Memory and the Nature of Intention”  
Neurocognitive Foundations of Mind  
On-Line Conference  
October 2022

Comments on Dustin Stokes  
American Philosophical Association  
Vancouver, British Columbia, Canada  
April 2022

“Automaticity, Bias and the Skill of Attention”

*Keynote*, Southern Society for Philosophy and Psychology  
Mobile, AL  
April 2022

“Intention as Practical Memory”  
Bochum-Grenoble Memory Colloquium  
January 2022, Online

“Intention as Memory”  
Cognitive Science Speaker Series  
City University of New York  
September 2021, Online

“Inner Voices: Agency and Access”  
Speaking, Thinking, Doing: Inner Speech and its Connection to Thought  
University of Tübingen, Germany  
July 2021, Online

“Attention and Action”  
Summer Seminar in Neuroscience and Philosophy  
Duke University  
May 2021, Online

“Introspection versus Metacognition”  
Center for Cognitive Science  
University of Sussex, U.K.  
May 2021, Online

“Attention: A Gate on Consciousness”  
Consciousness Colloquium  
Yale University  
February 2021, Online

“Reassessing The Empirical Argument for Ownership in the Rubber Hand Illusion”  
Center for the Philosophy of Science (with Peter Lush)  
University of Pittsburgh  
January 2021, Online

“Attention, action, automaticity and bias (implicit too)”  
Philosophy, Psychology and Neuroscience Seminar Series  
University of Glasgow, U.K.  
January 2021, Online

## **Teaching Experience CMU**

1. Graduate  
CMU Philosophy Core Seminar; Conceptual and Philosophical Foundations of Cognitive Science; Psychology and Neuroscience of Consciousness;

Attention; Mental Action

2. Undergraduate

Film, Philosophy and Cognitive Science; Introduction to Philosophy;  
Philosophy of Mind; Philosophy of Language (with Mandy Simons);  
Philosophy of Perception; Philosophy and Psychology; Psychology and  
Neuroscience of Consciousness; Symbolic Logic

## **Graduate Student Supervision**

### CMU

*Ted Fujimoto* (Masters, MSc, dissertation supervised with Teddy Seidenfeld)

*Stephen Foley* (Masters student, supervised directed reading)

### University of Pittsburgh: Comprehensive examination supervisor

Seth Goldwasser (PhD Student, Philosophy)

### University of Pittsburgh: Prospectus Examination

Alessandra Buccella (PhD Student, Philosophy)

Lei Jiang (PhD student, History and Philosophy of Science)

David de Bruijn (PhD Student, Philosophy)

Jasmin Özel (PhD Student, Philosophy)

Alison Springle (Philosophy)

### University of Pittsburgh: PhD Examination

Alessandra Buccella (Philosophy)

Thomas Breed (Philosophy)

Shivam Patel (Philosophy)

Evan Pence (History and Philosophy of Science)

### The University of Geneva (Switzerland): PhD Examination

*Ariel Cecci* (External Examiner)

### University of Toronto: PhD Examination

*Mark Fortney* (External Examiner)

### Columbia University: PhD Examination

Jorge Morales (External Examiner)

### The Ohio State University

*Mike Martin* (Qualifying Examination Committee)

*Michael Ferreira* (Qualifying Examination Committee)

## **Conferences Organized**

1. BrainHub Attention Workshop

With Britt Anderson, Rich Krauzlis and Ben Vincent  
BrainHub (CMU) and University of Waterloo, Canada  
April 2017

2. Workshop on Attention and Multimodal Perception

With Ophelia Deroy and Casey O'Callaghan  
University of London, United Kingdom  
June 2016

3. Program Committee, Central Division 2015 Meeting,  
American Philosophical Association
4. Symposium on Attention and Consciousness  
European Society for Philosophy and Psychology  
September 2014 Meeting, Sicily.

## Languages

German (Reading, Conversation)

## References

Edouard Machery  
Distinguished Professor  
History and Philosophy of Science  
University of Pittsburgh  
[machery@pitt.edu](mailto:machery@pitt.edu)

Carlos Montemayor  
Professor  
Department of Philosophy  
San Francisco State University  
[cmontema@sfsu.edu](mailto:cmontema@sfsu.edu)

Ian Phillips  
Bloomberg Distinguished Professor  
Philosophy and Psychological and Brain Sciences  
Johns Hopkins University  
[ianbphillips@jhu.edu](mailto:ianbphillips@jhu.edu)

Helen Steward, FBA  
Professor of Philosophy  
Department of Philosophy  
University of Leeds, UK  
[H.Steward@leeds.ac.uk](mailto:H.Steward@leeds.ac.uk)