

## LINUS T. HUANG

### Curriculum Vitae

Society of Fellows in the Humanities  
University of Hong Kong  
Pokfulam, Hong Kong

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## EDUCATION

- Ph.D. Unit for the History and Philosophy of Science, University of Sydney, 2017  
Dissertation: *Neurodemocracy: Self-Organization of the Embodied Mind*  
Supervised by Dominic Murphy
- M.A. Department of Philosophy, University of California, Riverside, 2008
- M.S. Cognitive Neuroscience Program, National Yang Ming University, 2006
- B.S. School of Medicine, National Yang Ming University, 2004

## PROFESSIONAL APPOINTMENT

- 2020-present Postdoctoral Fellow, Society of Fellows in the Humanities, University of Hong Kong
- 2018-2020 Postdoctoral Fellow, Department of Philosophy, University of California, San Diego
- 2018-2018 Visiting Research Fellow, School of Philosophy, Australian National University
- 2017-2018 Postdoctoral Scholar, Philosophy Program, Institute of European and American Studies, Academia Sinica
- 2016-2016 Australian Endeavour Scholar, School of Philosophy, Psychology and Language Sciences, University of Edinburgh
- 2015-2016 Australian Endeavour Scholar, Department of Philosophy and Centre for Theoretical Neuroscience, University of Waterloo

## RESEARCH SPECIALTIES

- AOS: Philosophy of Mind, Philosophy of Cognitive Science, Philosophy of Artificial Intelligence
- AOC: Asian Philosophy, Philosophy of Biology, Philosophy of Science, Moral Psychology, Experimental Philosophy

## AWARDS AND HONORS

- 2015 Finalist, Postgraduate Presentation Prize, Australasian Association of Philosophy Annual Conference  
2012 Postgraduate Research Prize for Outstanding Academic Achievement, University of Sydney

## GRANTS AND FELLOWSHIPS

- 2018 UCSD-Taiwan Postdoctoral Fellowship, Academia Sinica  
2018 Short-term Research Collaboration Fellowships, Academia Sinica  
2015 Australian Endeavour Award, Department of Education, Australia (69000 AUD)  
2014 Royston George Booker and Herbert Johnson Travel Grant, University of Sydney  
2014 University of Sydney Postgraduate Award, University of Sydney  
2014 Postgraduate Research Support Scheme, University of Sydney  
2013 Postgraduate Research Support Scheme, University of Sydney  
2012 Postgraduate Research Support Scheme, University of Sydney  
2012 Summer Seminar Fellowship, Big Questions in Free Will Project, Florida State University  
2012 Summer School Fellowship, Tubingen International Summer School: How do we make decisions? Perspectives from philosophy and science, University of Tubingen.  
2011 University of Sydney International Scholarship, 2011-2014, University of Sydney  
2007 Taiwan Merit Scholarship, 2007-2009, National Science Council, Taiwan (70000 USD)  
2006 Dean's Distinguished Fellowship Award, University of California, Riverside

## PUBLICATIONS

### Books

under contract Bechtel, W., & Huang, L. T. *Philosophy of Neuroscience*. Cambridge: Cambridge University Press.

### Refereed Journal Articles

- in press Huang, L. T. More Dynamical and More Symbiotic: Cortico-Striatal Models of Resolve, Suppression, and Routine Habit. *Behavioral and Brain Sciences*.  
in press Huang, L. T., Bich, L., & Bechtel, W. Model Organisms for Studying Decision-Making: a Phylogenetically Expanded Perspective. *Philosophy of Science*.  
2020 Lin, Y.-T., Hung, T.-W., & Huang, L. T. Engineering Equity: How AI Can Help Reduce the Harm of Implicit Bias. *Philosophy & Technology*.

- 2019 [Huang, L. T.](#) Can massive modularity explain human intelligence? Information control problem and implications for cognitive architecture. *Synthese*.
- 2019 Carruthers, G., Carls-Diamante, S., [Huang L. T.](#), Rosen, M., & Schier, E. How to operationalise consciousness. *Australian Journal of Psychology*, 71(4), 390-410.
- 2018 Schwitzgebel, E., [Huang, L. T.](#), Higgins, A., & Gonzalez-Cabrera, I. The insularity of Anglophone philosophy. *Philosophical Papers*, 47(1), 21-48.
- 2012 Schwitzgebel, E., Rust, J., [Huang, L. T.](#), Moore, A. T., & Coates, J. Ethicists' courtesy at philosophy conferences. *Philosophical Psychology*, 25(3), 331–340.

### Refereed Conference Proceedings

- 2020 [Huang, L. T.](#), & Bechtel, W. A Phylogenetic Perspective on Distributed Decision-Making Mechanisms. In *Proceedings of the 42th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- 2020 Bechtel, W., & [Huang, L. T.](#) Decentering Cognition. In *Proceedings of the 42th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- 2015 [Huang, L. T.](#) Reconceptualizing the computational problem of response selection. In *Proceedings of the 10th Conference of the Australasian Society of Cognitive Science*. Melbourne: Australasian Society of Cognitive Science.
- 2014 [Huang, L. T.](#) The nativist input problem. In *Proceedings of the 36th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

### Work In Progress

- 2021 The dynamics of personal autonomy: a framework for evaluating human-carebot interaction (co-authored with Ying-Tung Lin and Tzu-Wei Hung, under review by *Mind & Machine*)
- 2021 To mask or not to mask: epistemic injustice in the Covid-19 pandemics (co-authored with Hsiang-Yun Chen and Li-An Yu, under review by *Techné: Research in Philosophy and Technology*)
- 2021 Reconceptualizing the computational problem of decision-making (in preparation for *British Journal of Philosophy of Science*)
- 2021 Against the “pyramid scheme” of executive function: empirical and conceptual challenges (in preparation for *Philosophical Psychology*)
- 2021 The limit of explainable AI for reducing biased decision-making (in preparation for *Synthese*)
- 2021 AI as unjust social structures (in preparation for *Feminist Philosophy Quarterly*)

### PRESENTATIONS

#### Refereed Conference Oral Presentations

- 2019 Against the “Pyramid Scheme” of Executive Function: Empirical and Conceptual Challenges, Society for Philosophy and Psychology Annual Meeting, La Jolla, CA, July 10-13.

- 2018 Neurodemocracy: Self-Organization of the Embodied Mind, Australasian Society for Philosophy and Psychology 2018 meeting, Sydney, NSW, December 5-7
- 2018 Neurodemocracy: Self-Organization of the Embodied Mind, the 26th Biennial Meeting of the Philosophy of Science Association, Seattle, WA, November 1-4.
- 2014 Reconceptualizing the Computational Problem of Response Selection. Conference of the Australasian Society of Cognitive Science, Melbourne, VIC, December 8-10.
- 2014 The Nativist Input Problem. Annual Conference of the Cognitive Science Society, Québec, QC, July 23-26.
- 2013 The Nativist Input Problem. Society for Philosophy and Psychology Annual Meeting, Providence, RI, June 12-15.
- 2008 Moral Psychology and Moral Development in Xunzi. American Philosophical Association Central Division Meeting, Chicago, IL, April 16-19.

### **Refereed Conference Poster Presentations**

- 2014 The Problem of Hierarchical-Dynamic Routing. Society for Philosophy and Psychology Annual Meeting, Vancouver, BC, June 18-21.
- 2008 Lack of Responsibility? Reasons-Responsiveness Theory and the Situationist Challenge. Society for Philosophy and Psychology Annual Meeting, Philadelphia, PA, June 25-29.
- 2008 A Defense of Noë's Vehicle Externalism. Annual meeting of the Association for the Scientific Study of Consciousness, Taipei, June 19-22.
- 2006 The Significance of Emotion. Toward a Science of Consciousness, Tucson, AZ, April 4-8.

### **Conference Oral Presentations**

- 2015 The Nativist Input Problem. Australasian Association of Philosophy Annual Conference, Sydney, NSW, July 5-9.

### **Invited Commentary**

- 2019 Commentary on the Mechanism of Prejudice: A Predictive Coding Perspective by Tzu-Wei Hung. Meaning and Reality in Social Context, Academia Sinica, Taiwan, January 15.
- 2010 Reply to Control: Conscious and Otherwise by Christopher Suhler and Patricia Churchland. On the Human: a Project of the National Humanities Center, USA, May 24.

### **Invited Talks**

- 2018 Neurodemocracy. Department of Philosophy, National Chung Cheng University, Taiwan, June 4.
- 2016 Neurodemocracy. Department of Psychology, University of Sheffield, Sheffield, October 4.
- 2016 Neurodemocracy. Work-In-Progress Seminar, University of Edinburgh, Edinburgh, September 30.
- 2015 Reviving the Society of Mind: Support from Recent Neuroscientific Models. Macquarie Naturalistic

- Philosophy Colloquium, Macquarie University, Sydney, NSW, April 30.
- 2014 Neurodemocracy. Computational Neuroscience Research Group, University of Waterloo, Waterloo, ON, July 4.
- 2014 Raising the Issues of Minorities and Philosophy in Australasia. Australasian Postgraduate Philosophy Conference, Sydney, NSW, April 22-24.
- 2013 The Nativist Input Problem. Philosophy Society Seminar, Australian National University, Canberra, ACT, May 21.

### **Campus Talks**

- 2015 Linguistic Injustice. Minorities and Philosophy Colloquium, University of Sydney, Sydney NSW, March 17.
- 2015 Neurodemocracy. Behavioral Neuroscience Laboratory, University of Sydney, Sydney, NSW, May 4.
- 2014 Reconceptualizing Decision-Making. Behavioral Neuroscience Laboratory, University of Sydney, Sydney, NSW, December 15.
- 2014 Towards an Embodied Cognitive Architecture, Sydney-ANU Philosophy of Biology Workshop, Sydney, NSW, May 26-28.

## **TEACHING EXPERIENCE**

### **Courses Taught as a Teaching Assistant**

- Introduction to Critical Thinking (University of California, Riverside, Fall 2009, Winter 2010)
- Reason, Belief, and Truth (University of California, Riverside, Spring 2008)
- Contemporary Moral Issues (University of California, Riverside, Winter 2008)
- Evil (University of California, Riverside, Fall 2007)

### **Teaching Certificate**

Teaching Development Program, Faculty of Arts and Social Sciences, University of Sydney.

## **COURSES PREPARED TO TEACH**

### **Lower Level Courses**

- Philosophy and Human Nature
- Introduction to Asian Philosophy
- Critical Thinking

Logic

### **Upper Level Courses**

Philosophy of Mind

Philosophy of Science

Philosophy of Cognitive Science

Philosophy of Neuroscience

Philosophy of Artificial Intelligence

Philosophy of Biology

Moral Psychology

### **Special Topics Courses**

Implicit Bias

Philosophy and Decision Sciences

Empirical Approaches in Moral Psychology

Topics in Philosophy of Cognitive Neuroscience

### **SERVICE**

#### **Service to Department**

Organizer, Meaning and Reality in Social Context Conference, Academia Sinica, January 2019

Equity Officer and HPS Liaison, Philosophy Student Committee, University of Sydney 2014-5

Organizer, Minorities and Philosophy Initiative University of Sydney Chapter, 2014-5

#### **Service to Profession**

Advisor, Academic Placement Data and Analysis, 2020-2021

Peer Reviewer, Society for Philosophy and Psychology Annual Meeting, 2020

Symposium Organizer, Biennial Meeting of the Philosophy of Science Association, 2018

Graduate Mentor, Minorities and Philosophy Initiative, 2014-2015

Peer Reviewer, *Philosophical Psychology*, 2014

Peer Reviewer, *Journal of Chinese Philosophy*, 2010

Peer Reviewer, *Philosophy of Science*, 2009

## LANGUAGES

Mandarin Chinese, native fluency in reading, writing, and speaking  
Classical Chinese, intermediate fluency in reading

## PROFESSIONAL MEMBERSHIPS

Society of Philosophy and Psychology, 2008-Present  
Cognitive Science Society, 2013-Present  
Australasian Association of Philosophy, 2014-Present  
American Association of Philosophy Teachers, 2015-Present  
Philosophy of Science Association, 2018-Present  
Australasian Society of Philosophy and Psychology, 2018-Present  
Southern Society of Philosophy and Psychology, 2020-Present

## REFERENCES

### **Dominic Murphy**

Professor, History and Philosophy of Science  
Unit for the History and Philosophy of Science  
University of Sydney  
Sydney, NSW 2006, Australia  
Phone: +61 2 9351 3762  
Email: dominic.murphy@sydney.edu.au

### **Eric Schwitzgebel**

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Department of Philosophy  
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### **William Bechtel**

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**Bryce Huebner**

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**Glenn Carruthers**

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**Peter J. Graham** (Teaching Reference)

Associate Dean for Student Academic Affairs  
College of Humanities, Arts, and Social Sciences  
Professor, Philosophy  
Department of Philosophy  
University of California  
Riverside, CA 92521, USA  
Phone: +1 (323) 252-7063  
Email: [peter.graham@ucr.edu](mailto:peter.graham@ucr.edu)



## Graduate Courses Taken

<b>Philosophy</b>	
<b>Metaphysics and Epistemology</b>	
Philosophy of Science	Philosophy of Psychology
Philosophy of Cognitive Science	Philosophy of Mind
Philosophy of Neuroscience	Consciousness
Theory of Mind	Perception
Philosophy of Language	Epistemology
Naming and Necessity	Logic
Philosophy of Biology*	Philosophy of Psychiatry*
<b>Value Theory</b>	
Free Will and Responsibility	Habermas
Caring and Practical Reason	Velleman
Multiculturalism	Moral Psychology*
Empirical Approach to Moral Psychology	
<b>History of Philosophy</b>	
Moral Philosophy of Hume and Kant	Aristotle's Ethics
20th-Century Analytic Philosophy	Asian Philosophy* (Offered by Comp. Lit. Dept.)
Asian Philosophy (Offered by Philosophy Dept.)	Classical Chinese* (Language Course)
Freud*	Existentialism*
<b>Cognitive Neuroscience</b>	
Cognitive Neuroscience	Theory of Computability
Intentionality and Perception	Consciousness and Perception
Computational Neuroscience*	Social Psychology*
* Audit Only	