

# Lynn Chiu, Ph.D.

also Chien-Hui Chiu

lynchnchiu@philscicomm.com

**AOS** Philosophy of Biology, Philosophy of Science, Science and Institutional Communication

**AOC** Philosophy of Mind and Cognitive Science, Logic and Reasoning, Public Philosophy

## Education

Ph.D. Philosophy, University of Missouri, USA. 2011 – 2015

M. A. Philosophy, University of Missouri, USA. 2009 – 2011

M. S. Psychology, National Taiwan University, Taiwan. 2006 – 2009

B. S. Life Sciences, National Yang Ming University, Taiwan. 2002 – 2006

## Research Positions

Remote Visiting Scholar, Kevin Laland Lab, University of St. Andrews, UK. 2019 – **present**

Affiliated Researcher, University of Bordeaux/CNRS, France. 2018 – 2020

Postdoctoral Researcher, University of Bordeaux/CNRS, France. 2015 – 2018

Visiting Ph.D., Department of Theoretical Biology, University of Vienna, Austria. 2015

Writing-Up Fellow, Konrad Lorenz Institute of Evolution & Cognitive Science (KLI). 2013

## Communicator Positions

Media and Communications Officer, Extended Evolutionary Synthesis (EES). 2019 – **present**

Communications Officer, KLI. 2019 – **present**

Member, Philosophy of Science Association Media Committee, 2017 – present

Director of Communications, Association for the Scientific Studies of Consciousness. 2011 – 2014

Newsletter Officer, Association for the Scientific Studies of Consciousness (ASSC). 2009 – 2011

Co-Principal Investigator, Evolutionary Studies & Science Studies, University of Missouri. 2010–12

## Recent Grants

APA Small Grant for Philosophy of Science Communication Inaugural Workshop (2020)

APA Small Grant for Philosophers for Sustainability Social Media (2020)

University of Missouri “Mizzou Advantage” Seed Grant: Collaborative Portals for Interdisciplinary Working Groups: Evolutionary Studies and Science Studies (2013)

## Honors, Awards, and Scholarships

Werner Callebaut Prize for Interdisciplinary Research, International Society for History, Philosophy and Social Studies of Biology (ISHPSSB). 2017

Biosemiotic Achievement Award for the Year with Scott F. Gilbert. 2015

Association for the Scientific Studies of Consciousness Poster Prize (Philosophy Category). 2010

Florence G. Kline Endowment Fellowship, University of Missouri \$1000 (2012), \$2000. 2009

Republic of China (Taiwan) Ministry of Education Study Abroad Scholarship \$32000. 2009

## Languages

American English (native speaker), Mandarin Chinese (native speaker), German (A2), Python

## Publications

1. **Chiu, L.**, & Gilbert, S. F. (2020). Niche construction and the transition to herbivory: Phenotype switching and the organization of new nutritional modes. In H. Levine, M. K. Jolly, P. Kulkarni, & V. Nanjundiah (Eds.), *Phenotypic Switching* (pp. 459–482). Academic Press.
2. **Chiu, L.** (2019). Decoupling, commingling, and the evolutionary significance of experiential niche construction. In T. Uller & K. N. Laland (Eds.), *Evolutionary Causation: Biological and Philosophical Reflections* (p. 299). MIT Press.
3. Laurent, P., Jolivel, V., Manicki, P., **Chiu, L.**, Contin-Bordes, C., Truchetet, M.-E., & Pradeu, T. (2017). Immune-mediated repair: A matter of plasticity. *Frontiers in Immunology*, 8, 454.
4. **Chiu, L.**, Bazin, T., Truchetet, M.-E., Schaeverbeke, T., Delhaes, L., & Pradeu, T. (2017). Protective microbiota: From localized to long-reaching co-immunity. *Frontiers in Immunology*, 8, 1678.
5. **Chiu, L.**, & Eberl, G. (2016). Microorganisms as scaffolds of host individuality: An eco-immunity account of the holobiont. *Biology & Philosophy*, 31(6), 819–837.
6. **Chiu, L.**, & Gilbert, S. F. (2015). The birth of the holobiont: Multi-species birthing through mutual scaffolding and niche construction. *Biosemiotics*, 8(2), 191–210.

## **Technical Skills**

Desktop Publishing: Affinity Publisher, Adobe InDesign

Animation: Adobe Animate

Programming language: Python

Social media: Twitter

Databases: Neo4j graph database

Microsoft Office Suite

## **Recently Organized Events**

2016. Co-Organizer of ERC Workshop “30 Years After The Dialectical Biologist: New Frontiers in Eco-Devo and Microbiota-Host Co-Construction” June 14-16

2015. Early Career Scholar Mentorship Lunch, ISHPSSB, Montreal

## **Committees**

Member, Philosophy of Science Association Media Committee, 2017 – present

Member, Future Goals Committee of PSA Women’s Caucus, 2016 – 2020

Graduate Representative, ISHPSSB General Council and Student Advisory Committee, 2013 – 2015

Member, ISHPSSB Off-Year Conference Committee & Financial Aid Committee, 2013 – 15

## **Memberships in Academic Societies**

Philosophy of Science Association (PSA), International Society for History, Philosophy and Social Studies of Biology (ISHPSSB), Association for the Scientific Study of Consciousness (ASSC), European Psychoneuroimmunology Network (EPN)

## **Peer Review Service**

PTPBio (2018), History and Philosophy of the Life Sciences (2017), History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences (2017), Philosophy, Theory, & Practice in Biology (2016-17), Biology & Philosophy (2016), Biological Theory (2013, -15, -19), Journal of Biosemiotics (2014), Science & Education (2011), Program Referee for CSPA2011

## Talks (2015-2020)

2020. “Gut Microbiota and the Construction of the Herbivory Niche” at the workshop “Niche Construction and Other Mechanisms in Ecology and Evolution” Bielefeld University, Online.

2018. “Holobionts as Units of Evolutionary Processes” at the EES workshop “Integrating Development and Inheritance,” Santa Fe Institute (SFI), USA

2018. “Holobionts from an Immunological Perspective: the Problem of Pan-Homeostasis” at the Central American Philosophical Association (APA) Invited Symposium “Holobionts: New Challenges in Philosophy of Biology,” Chicago, USA

2018. “Integrating the Nervous System, the Immune System, and the Microbiota: How and Why?” in the “Key Concepts in Neuroimmunology: A dialogue between Philosophers and Scientists” Workshop, Bordeaux, France.

2017. Keynote Lecture: “Extending and Constructing Organisms” at the 7<sup>th</sup> Research Workshop on Philosophy of Biology and Cognitive Science (PBCS7), Murcia, Spain.

2017. “The Holobiont from an Immunological Perspective: The Problem of Pan-Homeostasis” in the 7th Asian-Pacific Conference on Philosophy of Science, Taiwan.

2017. “Extending and Constructing Organisms” at National Chung Cheng University, Taiwan.

2017. “Explanatory and Ontological Problems of the Gut-Brain-Microbe Axis” at the Metaphysics of Scientific Practice Workshop, Taiwan.

2017. “Niche Construction versus Natural Selection” at the EES Workshop on Cause and Process in Evolution, Klosterneuburg, Austria.

2016. “An Eco-Immunity Account of the Holobiont” at KLI, Klosterneuburg, Austria.

2016. “Microorganisms as Scaffolds of Host Individuality: An Eco-Immunity Account of the Holobiont”. University of South Carolina, Columbia, USA.

2016. “Microbiome Research and the Eco-Immunity of Holobionts”. 6th EED, Uppsala, Sweden.

2016. “The Human-Microbiome Immune System: Constructing and Being Constructed by Our Internalized Ecosystem”. WasserCluster Lunz Seminar Series, Austria.

2016. “Host-Microbiota Symbiosis: One, Many, or Mega-Organism?” Philosophy & Biology Seminar, Bordeaux, France.

2015. “The Birth of the Holobiont: Multi-species Birthing through Mutual Scaffolding and Niche Construction”. International Society for History, Philosophy and Social Studies of Biology (ISHPSSB), Montreal, Canada.

2015. “An Ecological Challenge against the Propensity Interpretation of Fitness”. American Philosophical Association (APA) Pacific Division 89th Annual Meeting, Vancouver, Canada.

## **Teaching Experience**

### **Independent Instructor, University of Missouri**

2015 Spring.	Phil1000 General Introduction to Philosophy (online)
2015 Fall.	Phil1000 General Introduction to Philosophy (online)
2014 Fall.	Phil1200 Logic and Reasoning
2014 Spring.	Phil2300 Philosophy and Human Nature
2013 Spring.	Phil1500 Introductory Bioethics
2012 Fall.	Phil1000 General Introduction to Philosophy
2012 Summer.	Phil2430 Contemporary Moral Issues (online)

### **Teaching Assistant, University of Missouri**

2012 Spring.	Phil4950 Senior Seminar in Philosophy: Darwinism and its Impact on Philosophy.	Dr. André Ariew
2010 Fall.	Phil1100 Introduction to Ethics.	Dr. Robert Johnson
2010 Spring.	Phil1000 Introduction to Philosophy.	Dr. Claire Horisk
2009 Fall.	Phil1200 Logic and Reasoning.	Dr. André Ariew

### **Teaching Assistant, National Yang-Ming University (Dr. Allen Y. Houng)**

2009.	Animal Mind and Consciousness; The Logic (First-Order Logic)
2008.	From Science to Humanity-The Unity of Worldview; Globalization: A Philosophical Reflection; Introduction to Philosophy
2006-07.	Philosophy of Consciousness; Philosophy of Science

### **Teaching Assistant, National Taiwan University**

2006 Fall.	Service Class, Psychology Department
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### **Guest Lecturer**

2016. Nov.	Lecture: Extended Evolutionary Synthesis Phil9850 Philosophy of Biology, University of Missouri
2016. Nov.	Lecture: Host-Microbiota Individuality Phil103 Special Topics in Ethics and Values: Genetic Engineering and Future Society University of South Carolina
2007.	Lecture: Perception and Perceptual Illusions, Brain damage and Mental Diseases Revealing the Mysterious Mask of Life Sciences, Tamsui Community College

## **Academic Professional Development**

Research: Process Thinking for Evo-Devo. Summer School in Evolutionary Developmental Biology: Edition 5, Sep 18 - Sep 21, 2017 at Istituto Veneto di Scienze, Lettere ed Arti, Venice

Research: “BioPerspectives” New Perspectives in Philosophy of Biology, CNRS Winter School Mar 28 - Apr 2, 2016 at Institut d’Etudes Scientifiques, Cargèse

Research: Evolution of Developmental Processes. Summer School in Evolutionary Developmental Biology: Edition 4, Sep 28 - Oct 1, 2015 at Istituto Veneto di Scienze, Lettere ed Arti, Venice

Teaching: Celebration of Teaching Workshop, May 20, 2014, at University of Missouri

Teaching: Preparing Future Faculty Training Seminar, 2013-2014 at University of Missouri

Graduate Peer Mentoring Training Workshop, Fall 2012, at University of Missouri