

# Pei-hua Huang

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## Employment

Lecturer, University of Adelaide, Jan 2024 - Now

Postdoctoral Research Fellow, Erasmus Medical Centre, August 2020 - July 2022

## Fellowships

**Brocher Residency**, Brocher Foundation, March - April 2026

## Education

PhD in Philosophy, Monash University, 2019

"Moral Enhancement and Autonomy"

Supervisors: Robert Simpson (UCL), Toby Handfield (Monash), Justin Oakley (Monash)

Examiners: Tom Douglas (Oxford), Sarah Chan (Edinburgh)

Result: Pass With No Corrections

MPhil in History and Philosophy of Science, University of Cambridge, 2013

BA in Philosophy, National Taiwan University, 2012

## Grants and Scholarships

**School of Humanities Research Funding**, School of Humanities, University of Adelaide, 2025 (\$ 3153 AUD)

**School of Humanities Research Funding**, School of Humanities, University of Adelaide, 2024 (\$ 4777 AUD)

**Early Career Researcher Research Leadership Grant**, Faculty of Arts, Business, Law and Economics, University of Adelaide, 2024 (\$4169 AUD)

**Convergence in a dish: Individualized CELLular models of disease diversity in the population**, Convergence Flagship of Erasmus Medical Centre, Erasmus University of Rotterdam, and Delft University of Technology, w/ Joyce van Meurs, Joana Gonçalves, Ken Redekop, Roberto Narcisi, Gijse Koenderink, Miao-Ping Chien, Jeroen van Rooij, Mehrnaz Ghazvini, Amir Zadpoor, Lidy Fratila- Apachitei, Gerjo van Osch, Daan Brinks, Marcel Reinders, Kateřina Staňková, Jeroen Demmers, Joris Pothof, Hieab Adams, Sasa Kenjeres, Joost Gribnau, Richard Goossens, Marleen de Mul, Pieter Vandekerckhove, Arfan Ikram, Joseph Powell, Reinout Stoop, 2022 (€ 3,399,570)

**Values Taking Shape: A collaborative deliberation toolkit for Convergence Squares**, Open Mind Call for Health and Technology of Convergence Flagship of Erasmus Medical Centre and Delft University of Technology, w/ Samantha Copeland & Maarten van der Sanden, 2021 (€ 10,065)

**Further Funding**, Society for Applied Philosophy, 2019 (£1000)

**Postgraduate Travel Funding**, Society for Applied Philosophy, 2018

**Monash Graduate Scholarship**, Monash University, 2016-2018

**Monash International Postgraduate Research Scholarship**, Monash University, 2016-2018

## Peer Reviewed Articles

**"Beyond Modulating Human Nature: a Xunzian Critique of Moral Bioenhancement"**

Invited contribution to *the Dao Companion to Confucian Applied Ethics*, edited by Rina Camus, Kam-por Yu & Julia Tao, Cham: Springer Publishing

**"I Feel I Need to Think about It: A Defence of Affective Moral Enhancement"**

Bioethics, Online First (22 September 2025)

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## **“Climate Change and Human Engineering”**

*The Handbook of the Philosophy of Climate Change*, edited by G. Pellegrino & M. Di Paola, Cham: Springer Publishing, 2023

## **“Uncertainty, Vaccination, and the Duties of Liberal States”**

*The Values for a Post-Pandemic Future*, edited by M. J. Dennis, J. van den Hoven, G. Isamaev, S. Umbrello, Cham: Springer Publishing, (2022): 97 - 110

## **“The Dynamic Digital Twin: diagnosis, treatment, prediction and prevention of disease during the life course”**

*Journal of Medical Internet Research*, 24/9 (2022): e35675, w/ The Digital Twins Research Team of Delft University of Technology and Erasmus Medical Centre

## **“Mapping the Ethical Issues of Digital Twins for Personalised Healthcare Services”**

*Journal of Medical Internet Research*, 24/1 (2022) : e33081, w/ Ki-hun Kim & Maartje Schermer

## **“Covid-19 Vaccination and the Right to Take Risks”**

*Journal of Medical Ethics*, 48 (2022) : 534 - 537

## **“Who’s Afraid of Perfectionist Moral Enhancement? A Reply to Sparrow”**

*Bioethics*, 34/8 (2020) : 865-871

## **“Moral Enhancement, Self-Governance, and Resistance”**

*Journal of Medicine and Philosophy*, 43/5 (2018) : 547-67

## **“Biomedical Moral Enhancement in the Face of Moral Particularism”**

*Royal Institute of Philosophy Supplements*, 83 (2018) : 189-208, w/ Peter Tsu

## **“Climate Change, Cooperation, and Moral Bioenhancement”**

*Journal of Medical Ethics*, 42/11 (2016) : 742-47, w/ Toby Handfield & Robert Simpson

## **“Authenticity, Autonomy, and Enhancement”**

*Dilemata*, 19 (2015) : 39-52.

## **Book Review**

### **“Clean Hands? Philosophical Lessons from Scrupulosity” by Jesse J. Summers and Sinnott-Armstrong**

*Journal of Applied Philosophy*, 37/3 (2020): 505-507

## **Textbook (Chinese)**

*From Birth to Death, Ethical Questions All May Encounter: An Introduction to Bioethics* (2017)  
Taipei: San-min Book Ltd. ISBN: 9789571462943

## **Work in Progress**

### **“An Ethical Framework for Dynamic Digital Twins for Healthcare during the Life Course”**

, w/ Ki-hun Kim, Marina Vos-de Bos, Valentijn Visch, Régine P.M. Steegers-Theunissen & Maartje Schermer

### **“Ethical Theory and Methodology in Converging Technologies”**

w/ Maartje Schermer, Samantha Copeland

### **“Unboxing the Black-box Problem: the Relationality of AI in Medicine”**

w/ Samantha Copeland

### **“Moral Status, Privilege, and Obligation”**

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## **Research Presentations**

### **How Much Explainability is Enough?**

Annual Conference of Australasian Association of Philosophy  
University of Queensland, July, 2025

### **Convergence Ethics**

w/ Samantha Copeland  
4TU.Ethics ESDIT Conference  
University of Twente, Oct, 2024

### **Taming the Berserker**

International Conference on Virtue Ethics and Technology  
Institute of Philosophy, KU Leuven, September, 2024

### **Unboxing the Black-box Problem: the Relationality of AI in Medicine**

w/ Samantha Copeland  
Perita Conference: The Ethics of Trust and Expertise  
American University of Armenia, May 2022  
International Conference on Engaging Ethics and Epistemology in Science (EES 2022)  
Hannover, September 2022

### **Ethical Methodology in Converging Medical Technologies**

w/ Cristina Richie, Samantha Copeland, Sabine Roeser, Maartje Schermer  
16th World Congress of Bioethics 2022  
University of Basel, July 2022

### **The Ethical and Social Implications of the Rising Digital Twin Paradigm in Healthcare**

Panel Organiser, w/ Cristina Richie, Sven Nyholm, Koenraad Bruynseels  
16th World Congress of Bioethics 2022  
University of Basel, July 2022

### **Uncertainty, Vaccination, and the Duties of Liberal States**

OZSW Annual Conference 2021  
Tilburg University, December 2021

### **Response to Joao Fabiano on Weaponised Moral Enhancement**

Human Enhancement and Advanced Technologies in Terrorism and Belligerencies  
University of Haifa, June 2021

### **Pre-Emptying the Unjust: An Ethical Framework for Digital Twins for Personalised Healthcare Service**

w/ Ki-hun Kim, Marina Bos-DeVos  
Social In/Justice through Data-Driven Healthcare Technologies  
Congress of the Swiss Sociological Association, June 2021

### **Covid-17 Vaccination and the Right to Take Risks**

Research Colloquium  
Erasmus Medical Centre, June 2021

### **Moral Knowledge and Transformative Emotions**

Philosophical Reasoning as Transformative Experience Conference  
University of Konstanz, July 2019

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## **Revising Moral Understanding with Emotions: A Moderate Defence of Affective Moral Enhancement**

Annual Conference of Society of Applied Philosophy  
University of Cardiff, June 2019

## **Will Moral Status Enhancement Threaten Political Autonomy?**

Annual Conference of Society of Applied Philosophy  
Utrecht University, July 2018

## **Can You Make Me a Better Person without Telling Me What a Good Person Looks Like? Moral Perfectionism and Moral Enhancement**

Neuroscience and Society  
Sydney, September 2017

## **Forced to Be More Moral? Perfectionism and Moral Enhancement**

Annual Conference of Australasian Association of Philosophy  
University of Adelaide, July 2017

## **Reframing the Controversy about Moral Bioenhancement: Moral Agency and Resistance**

Morals and Molecules: A Monash-Oxford Workshop on the Ethics of Moral Bioenhancement  
Monash University, September 2016

## **Moral Enhancement and Moral Agency**

Annual Conference of Society of Applied Philosophy  
Queen's University, July 2016  
Designing Moral Technologies  
Ascona, July 2016

## **Empathy and Moral Enhancement**

Perspectives on Empathy Workshop  
Macquarie University, November 2015

## **Authenticity, Enhancement, and Autonomy**

Cognitive Enhancement Conference  
TU Delft and Oxford University, August 2014

The II International Workshop in Practical Ethics  
University of Granada, June 2014

## **Invited Talk**

### **Vaccination and the Right to Take Risks**

Academia Sinica, Taiwan, 2025

### **Is there anything problematic about using biotechnology to help people be more moral?**

Academia Sinica, Taiwan, 2025

## **Teaching**

### **University of Adelaide**

Undergraduate Level Lectures

- Argument and Critical Thinking (S1 2024, S1 2025 [w/ Jon Opie])
- How Should I Live: Contemporary Normative Ethical Theories (S1 2024, S2 2025)
- Biomedical Ethics and the Politics of Health (S2 2024, S1 2025)
- AI and Human Life: Ethics, Politics, and Subjectivity (S2 2024, S2 2025 [w/ Philip Gerrans])

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## Erasmus Medical Centre

Undergraduate Level Guest Lecture

- Cases of New Biotechnologies, (Dec 3, 2021)

## Dutch Research School of Philosophy (OZSW) Summer School

Postgraduate Level Lecture

- Moral Enhancement (Sep 2, 2021 [w/ Jona Specker])

## Delft University of Technology

Postgraduate Level Guest Lecture

- Digital Twins for Personalised Healthcare Services (Mar 9, 2021)

Undergraduate Level Guest Lecture

- Beyond health: the Ethics of Human Enhancement (Oct 13, 2021)

## Monash University

Undergraduate Level Tutorials

- *Human Rights Theory* (S2 2017, S2 2019)
- *Life, Death, and Morality* (Summer Intensive 2018, S2 2019)

## Academic Service

**Reviewer**, *Neurotics* (2025), *Australasian Association of Philosophy Best Postgraduate Paper* (2025), *Wellcome Open Research* (2025), *BMJ Evidence-Based Medicine* (2024), *Australasian Journal of Philosophy* (2023, 2025), *Review of Philosophy and Psychology* (2022), *Ethics and Information Technology* (2022), *Science and Engineering Ethics* (2022), *Theoretical Medicine and Bioethics* (2021), *Bioethics* (2020)

## **Associate Head (International) of the School of Humanities**

University of Adelaide, 2025 - Now

**Consultant**, Ethical Knowledge Common Core Course

University of Adelaide, 2024

**Representative**, Curriculum Redesign

Department of Philosophy, University of Adelaide, 2024

**Organiser**, Convergence Ethics Seminar Series

Erasmus Medical Centre and Delft University of Technology, September 2020 - July 2022

**Mentor**, Postgraduate Mentor Scheme

Department of Philosophy, Monash University, 2019

**Organiser**, Research Skills Workshop

Department of Philosophy, Monash University, 2017

**Higher Degree Research Student Representative**, Academic Board

Monash University, 2016 – 2017

## Public Engagement

**In English**

**“Can Biotechnology Help Us Be More Moral?”**

Adelaide City Library, [[link](#)], 2025

**“Digital Twins for Personalised Healthcare Service - Opportunities and Risks”**

National Academies of Science, Engineering, and Medicine, [[link](#)], 2024

**“Vaccination, Uncertainty, and the right to take risks”**

*Journal of Medical Ethics Blog* [[link](#)], 2021

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## **“The FAQ Campaign: What Is It Like Doing Postgrad Philosophy as A Non-Native English Speaker?”**

*Minorities and Philosophy at University of Melbourne* [[link](#)], 2018

### **In Chinese**

## **“An Amateur Ethnographic Field Study by a Taiwanese Female Philosopher: Observations and Reflections on the Philosophical Communities of the UK, the Netherlands, and Australia”**

Public Lecture, Academia Sinica, Taiwan 2025

## **“Make Bioethics Political Again”**

Public Lecture, National Taiwan University, 2024

## **“Neurointerventions, Moral Bio-enhancement, and Crime Prevention”**

Public Lecture, National Taiwan University, 2023

## **“From Patients to Agents: A Book Review of Barbara Prainsack’s Personalised Medicine”**

*Philosophy Section of Stand News*, [[link](#)], 2021

## **“Are Psychopaths Responsible for Their Criminal Acts?”**

*Philosophy Section of Stand News*, [[link](#)], 2020

## **“Reclaiming Equality and Freedom from Relationships: A Book Review of Clare Chambers’s Against Marriage”**

*Philosophy Section of Stand News*, [[link](#)], 2019

## **“The Shape of Freedom: An Introduction to Three Conceptions of Freedom”**

*Philosophy Section of Stand News*, [[link](#)], 2019

### **Languages**

Chinese (Native), English (Fluent), Japanese (JEPT 2), Dutch (A1), German (A1), Python (Fair)

### **Primary Academic References**

Prof. Maartje Schermer (Erasmus University of Rotterdam) - Primary Postdoc Supervisor  
[schermer@eshpm.eur.nl](mailto:schermer@eshpm.eur.nl)

Dr. Robert Simpson (UCL) - PhD Supervisor  
[robert.simpson@ucl.ac.uk](mailto:robert.simpson@ucl.ac.uk)

Prof. Toby Handfield (Monash) - PhD Supervisor  
[toby.handfield@monash.edu](mailto:toby.handfield@monash.edu)

Dr. Samantha Copeland (TU Delft) - Secondary Postdoc Supervisor  
[s.m.copeland@tudelft.nl](mailto:s.m.copeland@tudelft.nl)

Prof. Wai-hung Wong (USC, Chico) - Public Engagement  
[whwong@csuchico.edu](mailto:whwong@csuchico.edu)