

Pei-hua Huang

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Employment

Lecturer, University of Adelaide, 2024 -
Research Associate, University of Adelaide, 2023 - 2024
Postdoctoral Research Fellow, Erasmus Medical Centre, 2020 - 2022

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

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,
Gijsje 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
Open Mind Call for Health and Technology, Convergence Flagship of Erasmus Medical Centre
and Delft University of Technology, w/ Samantha Copeland & Maarten van der Sanden, 2021
Further Funding, Society for Applied Philosophy, 2019
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"
The Dao Companion to Confucian Applied Ethics, edited by Rina Camus, Kam-por Yu & Julia Tao,
Cham: Springer Publishing, Forthcoming
"Climate Change and Human Engineering"
The Handbook of the Philosophy of Climate Change, edited by G. Pellegrino & M. Di Paola, Cham:
Springer Publishing, (2023): 939-955
"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

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“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”

Major Revisions in *Science and Engineering Ethics*, 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/ Cristina Richie, Sabine Roeser, Maartje Schermer, Samantha Copeland

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

w/ Samantha Copeland

“Revising Moral Understanding with Emotions”

“Moral Status, Privilege, and Obligation”

Research Presentations

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

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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-Empting 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

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

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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

Teaching

Postgraduate Level

Lecturer

OZSW Summer School 2021, September 2, 2021
- Moral Enhancement, w/ Jona Specker

Guest Lecturer

Delft University of Technology
- Digital Twins for Personalised Healthcare Services, March 9, 2021

Undergraduate Level

Guest Lecturer

Erasmus Medical Centre
- Cases of New Biotechnologies, December 3, 2021
Delft University of Technology
- Beyond health: the Ethics of Human Enhancement, October 13, 2021

Teaching Associate

Monash University, March 2017 – June 2019
- *Human Rights Theory* (2017 Semester 2, 2019 Semester 2)
- *Life, Death, and Morality* (2018 Summer Intensive, 2019 Semester 2)

Academic Service

Reviewer, *Review of Philosophy and Psychology* (2022), *Ethics and Information Technology* (2022), *Science and Engineering Ethics* (2022), *Theoretical Medicine and Bioethics* (2021), *Bioethics* (2020)

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

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Public Engagement

In English

“GESDA Philosophical Lens: Deep Dive on The Future of People, Society and the Planet(s)”
Science Breakthrough Radar, Geneva Science and Diplomacy Anticipator(GESDA) [[link](#)], 2023

“Vaccination, Uncertainty and the right to take risks”
Journal of Medical Ethics Blog [[link](#)], 2021

“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

“Neurointerventions, Moral Bioenhancement, 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

Primary Academic References

Prof. Maartje Schermer (Erasmus MC)
m.schermer@erasmusmc.nl

Dr. Robert Simpson (UCL)
robert.simpson@ucl.ac.uk

Prof. Toby Handfield (Monash)
toby.handfield@monash.edu

Dr. Samantha Copeland (TU Delft)
s.m.copeland@tudelft.nl

Languages Other Than English

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