

Yukinori Onishi

Lecturer*,
Research Center for Integrative Evolutionary Science (RCIES),
SOKENDAI/ The Graduate University for Advanced Studies.

Shonan Kokusaimura, Hayama, Miura, Kanagawa 240-0193 Japan.

Office: #301B, RCIES building

Telephone: +8146-858-1643

Email: oonishi_yukinori@soken.ac.jp

* Position between asst. and assoc. professor.

AOS: Philosophy of Science

AOC: Epistemology, Research Integrity, STS, Logic

Education

2007 B.S. Kyoto University

2009 M.A. Kyoto University

2015 Ph.D. Kyoto University

Employment

2009–2010 TA, Kyoto University

2010–2012 JSPS Research Fellow

2012–2015 Part-time lecturer, Kyoto University

Part-time lecturer, Setsunan University

2013–2014 Fulbright Research Fellow (University of Miami Visiting Fellow)

2015–2021 Assistant Professor, SOKENDAI

2021–Present Lecturer, SOKENDAI

Awards

2013 Ishimoto Award Philosophy of Science Society Japan

Fellowships & Grants

- Japan Society for the Promotion of Science Research grant & fellowship (2010 - 2012)
- Fulbright doctoral dissertation research grant & fellowship (2013 - 2014)
- International workshop by young researchers, Kyoto University (¥1.9M, 2016)
- “Analyzing ‘models of data’ based on theories of scientific representations and its implications to the scientific realism debate.” Japan Society for the Promotion of Science, Grants-in-aid for young researchers (Principal Investigator, 2018 - 2020, ¥3M)
- “Reconsidering the scientific realism debate from historical perspectives.” Japan Society for the Promotion of Science, Grants-in-aid for scientific research, Category B (Cooperating Investigator, 2018 - 2020, ¥8M)
- “Update of epistemological approach to the scientific realism debate.” Japan Society for the Promotion of Science, Grants-in-aid for scientific research, Category C (Principal Investigator, 2023 - 2027, ¥2.8M)

Publications (JA: in Japanese)

Doctoral dissertation

Epistemological Analysis of the Scientific Realism Debate, Doctoral dissertation thesis submitted to Kyoto University, 2015.

Committee : Tetsuji Iseda (Kyoto U), Kazuyuki Ito (Kyoto U), Yasuo Deguchi (Kyoto U)

Refereed Articles

- “Deep learning-aided research and the aim-of-science controversy.” *Journal for General Philosophy of Science*. (forthcoming)
- “Homeostatic Property Cluster Theory without Homeostatic Mechanisms: Two Recent Attempts and their Costs.” (with Davide Serpico). *Journal for General Philosophy of Science*, 2021 (Online-first).
- “The likelihood ratio measure and the logicity requirement.” (with Otávio Bueno). *Erkenntnis*, 2020 (Online-first).
- (JA) “Philosophy of science and research integrity.” *Journal of Japanese Geotechnical Society*, Vol. 67-9: 52-59, 2019. (Invited).
- “Defending the selective confirmation strategy.” *Studies in History and Philosophy of Science*, Part A. Vol. 64: 1 - 10, 2017. (DOI: 10.1016/j.shpsa.2017.07.001)
- (JA) “Analyzing the scientific realism debate from the the coherentists’ point of view.” *PHS Studies*, Vol. 6: 39 - 59, 2012.
- (JA) “Analyzing the scientific realism debate from the contextualist’s point of view,” *Kagaku Tetsugaku* Vol. 44: 65-81, 2012.
- (JA) “Constructive empiricism and voluntaristic epistemology: What is meant by ‘rational but supererogatory’ ?” *PHS Studies* Vol. 4: 65-83, 2010.

Non-refereed Articles

- (JA) “A New Approach to the Problem of Unobservable Entities: An analysis from the reliabilists’ point of

view,” *Nagoya Journal of Philosophy* Vol. 10: 37-57, 2011. (Invited)

- (JA) “Many forms of semantic conception of theories: A short survey,” *PHS Studies* Vol. 2: 101-116, 2008. (Survey)

Book reviews and Other writings

- (JA) “Conference report: The Problem of Relativism in the Sociology of (Scientific) Knowledge,” *Philosophy of Science Society Japan Newsletter* No.47, 2011.
- (JA) “Book review: Anjan Chakravartty, *A Metaphysics for scientific realism: Knowing the unobservable*,” *PHS Studies* Vol. 5: 123 - 126, 2011.
- (JA) “Book review: Bas C. Van Fraassen, *Scientific representation: Paradoxes of perspective*,” *PHS Studies* Vol. 4: 146 - 148, 2010.

Presentations (R: Refereed / I: Invited)

2023

- “A typology of unconfirmed claims.” Tuesday seminar, Tokyo Institute of Technology, Online, May 30th, 2023. (I)

2022

- “What is science?: Report from the perspectives of philosophy of science.” At the online workshop II “Rethinking science: bringing together insights from various perspectives.” The Japan Association for the Advancement of Science (JAAS) kick-off meeting, Jun 20th, 2022. (I)
- Comments on: Soohyun Ahn, “Creating and maintaining scientific categories: Values and entrenchment.” The 9th online event of the Asian Epistemology Network, May 27, 2022. (I)

2021

- “Does the augmentation of our cognitive capacity through GANs provide an effective response to the problem of uncoceived alternatives?” Workshop: The Past, Present, and the Future of the Scientific Realism Issue. Annual meeting of Philosophy of Science Society Japan. Online, Nov. 28th, 2021. (R)

2019

- “Analyses of observation instruments in the scientific realism debate.” Workshop: Observation, Visualization and Reality. Annual meeting of Philosophy of Science Society Japan. Keio University, Tokyo, Nov. 10th, 2019. (R)
- “Deep Neural networks and the aim-of-science dispute.” CLMPST 2019. Czech Technical University, Prague, Czech, Aug 9th, 2019. (R)
- “Is everything fine if natural kinds are nodes in causal networks?” (with Davide Serpico), GWP 2019, Universität zu Köln, Germany, Feb 25th, 2019. (R)

2018

- “Neural networks and the aim-of-science dispute.” Workshop on the Diversity of the Scientific Realism Debate. Japan Association for Philosophy of Science Fall annual meeting, Nihon University, Tokyo, Nov 10th, 2018. (R)

2017

- “Overview of the scientific realism debate and the points of issue.” The 6th Meeting of Quantum Foundation Club, Tokyo, Mar 7th, 2017. (I)
- “Deeper Understanding through a Broader Perspective: Report of Research Integrity Education at SOKENDAI” (with Nozomi Mizushima, Kaori Iida, and Kenji Ito). Asia and Pacific Rim Research Integrity Network (APRIN) Meeting, Hong Kong University, Hong Kong. Feb 21st, 2017. (R)

2016

- “Defending the selective confirmation strategy,” International Workshop on Scientific Realism, Kyoto University, Jul. 30th, 2016.
- “What is the scientific realism debate?” Interdisciplinary Seminar, SOKENDAI, Kanagawa, May 18th, 2016. (I)
- “Philosophical interests in visual representations in science,” Workshop: Toward the epistemology of visual representations in science, Annual meeting of Japan Association for Contemporary and Applied Philosophy, Keio University, Tokyo, May 7th, 2016. (I)
- “Defending selective confirmation strategy,” GWP 2016, Universität zu Düsseldorf, Germany, Mar 11th, 2016. (R)
- “Philosophical interests in computer simulations in science,” Workshop: Science studies on computer simulations, National Science Museum, Tokyo, Mar 5th, 2016. (I)

2014

- “A technical problem of likelihoodism” (with Otávio Bueno), Young Philosophers of Science Meeting, Kyoto University, Sep 28th, 2014.
- “Misconception as a form of acceptance,” Southern American Japan Seminar, Florida International University, Mar.7, 2014. (I)

2013

- “The no refuge argument as a base rate fallacy,” Annual meeting of Japan Association for Philosophy of Science, Osaka University, Osaka, Jun 13th, 2013. (R)

2011

- “Red herring or not: the new problems raised by the new induction,” Workshop: Reconsidering the aspects of scientific realism debate, Ad hoc meeting of Japanese Association for the Contemporary and Applied Philosophy, Kyoto University, Sep.25, 2011. (R)
- “The Scientific Realism Debate from the Epistemological Viewpoint,” the 14th CLMPS, Nancy, France, Jul 19 - 26, 2011. (R)

- “Analyzing the Scientific Realism Debate from the Epistemological Viewpoint,” The First Japan-Korea Workshop on Philosophy of Science, Kyoto University, Feb 21-22, 2011.

2010

- “Analyzing the scientific realism debate from the reliabilists’ point of view,” Nagoya Philosophy Forum, Nanzan University, Aichi, Sep 11th, 2010. (I)
- “Analyzing the scientific realism debate from the contextualist’s point of view,” Kyoto Colloquium for Philosophy of Science, Kyoto University Hall, Jul 25th, 2010.

2009

- “The scientific realism debate from the epistemological viewpoint,” Annual meeting of Philosophy of Science Society Japan, Takachiho University, Tokyo, Nov 21st, 2009. (R)

Community Service

- Respondent for Consecutive surveys on Science and Technology, Science and Technology Foresight Centre, National Institute of Science and Technology Policy, 2017.
- “Under the veil: what science tells us,” ESB Public Lecture Series, SOKENDAI Hayama Campus, Kanagawa, Nov 3rd, 2017.
- Resource person at the orientation for new Fulbright grantees, Tokyo, Jun 6th, 2016.
- Judge for the Florida Statewide Japanese Speech & Skit Contest, Florida International University, Mar 29, 2014.

Refereeing

Synthese/ International Studies in the Philosophy of Science/ The Southern Journal of Philosophy/ Asian Journal of Philosophy/ Kagaku Tetsugaku (the Journal of Philosophy of Science Society Japan)/ *Kagaku Kisoron Kenkyu* (the Journal of Japan Association for Philosophy of Science) / Book chapter of edited volume (Oxford University Press) / Book manuscript (The MIT Press)

Workshop/Symposium organizing

- Online Book Sympo: *What Philosophy of Science has to Say*, Seiji Matsuou, Morikita Publishing, 2020.
- Workshop: *Toward the philosophy of data assimilation: learning from research practice*. Japan Association for Philosophy of Science Fall annual meeting, Nihon University, Tokyo, Nov. 30th, 2019.
- Symposium Organizing Committee. *The 10th Anniversary International Symposium, Evolutionary Studies of Biosystems: History, the cutting edge and the future*. Shonan Village Center, Feb 26-27, 2018.
- Workshop: *International Workshop on Scientific Realism*. Kyoto University. Jul 30-31, 2016. Invited speakers: Juha Saatsi, Timothy Lyons, Teru Miyake, Ruey-Lin Chen, Karen Yan, Jonathon Hricko, Minwoo

Seo, Rei Nouchi, Tomoko Ishida, Satoshi Kudo.

- Symposium Organizing Committee. *Toward the better relations between science and society*, Tokyo Convention Hall, Tokyo, Feb 20th, 2016.
- Workshop: *Representation, reality, and the philosophy of special sciences*. Japan Association for Philosophy of Science Fall annual meeting, Nihon University, Tokyo, Nov 6th, 2011. Invited Speakers: Szu-Ting Chen, Hisashi Nakao, Rei Nouchi.
- Workshop: *Reconsidering the aspects of scientific realism debate*, Ad hoc meeting of Japanese Association for the Contemporary and Applied Philosophy, Kyoto University, Sep.25, 2011.

Teaching Experience (J: in Japanese/ E: in English)

SOKENDAI

- Research Integrity, as a part of Freshman Course (J/E)
- Philosophy of Science, as a part of Science, Technology and Society I, II (J/E)
- Philosophy of Science, as a part of Life Sciences and Society I (J)
- Argumentation, as a part of Introduction to Science and Society Sub-thesis (J)

Other institutions

- Research Integrity, at Tokyo Denki University, Tohoku University, National Taiwan University (J/E)
- Philosophy of Science, at NARA Institute of Science and Technology (J)
- Math Literacy, at Setsunan University (J)