

# NAKAO Hisashi

Assistant Professor, School of Advanced Studies, The Graduate University of Advanced Studies, Japan. Email: hisashinakao@gmail.com

## Areas of Specialization

Philosophy of Biology

## Areas of Competence

Philosophy of Psychology, Philosophy of Mind, History of Biology

## Education

2013 Ph.D. Department of Philosophy and History of Science, Graduate School of Letters, Kyoto University (Advisor: Tetsuji Iseda).

2012 Visiting Professor, Department of Philosophy, York University (Advisor: Kristin Andrews)

2010-2011 Visiting scholar, Department of History and Philosophy of Science, University of Pittsburgh (Advisor: Edouard Machery)

2007 MA. Department of Philosophy and History of Science, Graduate School of Letters, Kyoto University

2005 BA. Department of Philosophy and History of Science, Kyoto University

## Grants and Fellowships

2011-2013 JSPS Research Fellow, Department of Systems and Social Informatics, Graduate School of Information Science, Nagoya University (Advisor: Kazuhisa Todayama)

2009-2011 JSPS Research Fellow, Department of Philosophy and History of Science, Graduate School of Letters, Kyoto University (Advisor: Tetsuji Iseda)

## Articles

1. Rebutting the criticisms and defending evolutionary psychology. *Philosophy of Science (Japan)* 46(1): 1-16. (In Japanese)
2. Nakao, H. 2013. Genome information and epigenetics. *Philosophy and History of Science Studies* 7: 27-48. (In Japanese)
3. Yoshida, Y., Takao, K., and Nakao, H. 2013. Evo-devo and eco-evo-devo: Two extended syntheses in evolutionary biology. *Philosophy and History of Science Studies* 7: 67-77. (In Japanese)

4. Nakao, H. and Machery, E. 2012. The evolution of punishment. *Biology and Philosophy*, 27(6): 833-850.
5. Nakao, H. 2012. Modularity in biological and cultural evolution. *Kagaku Kisoron Kenkyu*. 40(1): 1-8. (In Japanese)
6. Nakao, H. 2012. Current situations in cultural evolutionary studies: A review essay on Alex Mesoudi *Cultural evolution: How Darwinian theory can explain human culture and synthesize the social sciences*. *Biological Science*, 63 (4): 247-252. (In Japanese)
7. Nakao, H. 2011. Culture and its phylogeny: The (re) rise of cultural phylogenetics. *Philosophy and History of Science Studies* 5: 51-70. (In Japanese)
8. Kaji, N. and Nakao, H. 2010. Human nature and evolutionary thinking. *Tetsugaku Ronso* 37: S97-S106. (In Japanese)
9. Nakao, H. 2010. The use of optimality models in human behavioral ecology. *Contemporary and Applied Philosophy*, 2: 1-13. (In Japanese)
10. Nakao, H. 2010. The meme's-eye view. *Philosophy and History of Science Studies* 4: 45-64. (In Japanese)
11. Ariga, N. and Nakao, H. 2010. Objectivity as an epistemic virtue: Science through images. Review essay of *Objectivity*, by Daston, L. and Galison, P. Cambridge, MA: Zone Books, 2007. *Philosophy and History of Science Studies* 4: 127-136. (In Japanese)
12. Nakao, H. 2009. Biodiversity and philosophy of biology. Review essay of *What is biodiversity?*, by J. Maclaurin and K. Sterelny, *Biological Science*, 60 (4): 219-224. (In Japanese)
13. Nakao, H. 2009. Development of mental modularity: From a view of naturalistic philosophy of science. *Japanese Psychological Review*, 52 (1): 1-10. (In Japanese)
14. Tanaka, S. and Nakao, H. 2009. A critical examination of the linguistic analogy of morality: Through a comparison with emotional theory of morality. *Philosophy and History of Science Studies* 3: 1-19. (In Japanese)
15. Nakao, H. 2009. Recent developments in the Massive Modularity Hypothesis: Its analysis and compatibility with the Dual Inheritance Theory. *Philosophy and History of Science Studies* 3: 21-37. (In Japanese)
16. Nakao, H. and Itakura, S. 2009. An integrated view of empathy: Psychology, philosophy, and neuroscience. *Integrative Psychological and Behavioral Science*, 43 (1): 42-52.
17. Nakao, H. 2008. Reciprocal altruism model in the evolutionary study of human behavior. *Philosophy and History of Science Studies*, 2: 75-86. (In Japanese)

#### **Books**

1. Nakao, H. in preparation. *Philosophy of human evolution*. Nagoya University Press (in Japanese).
2. Nakao, H. Ed. 2013. *Proceedings of the CAPE International Workshops, 2012 (CAPE Studies in*

*Applied Philosophy & Ethics Series Vol.1*). CAPE Publications.

3. Nakao, H. and Minaka, N. Eds. 2012. *An introduction to cultural phylogenetics: Investigating the patterns of cultural evolution*. Tokyo: Keiso Shobo (In Japanese).

### **Book Chapters**

1. Nakao, H. 2013. Why did the attribution of propositional attitudes evolve? In *Proceedings of the CAPE International Workshops, 2012 (CAPE Studies in Applied Philosophy & Ethics Series Vol.1)*, pp. 163-171.
2. Yoshinari, Y. and Nakao, H. 2013. Overlooked elements in the history of evo-devo: Studies of epigenetics in the 80s. In *Proceedings of the CAPE International Workshops, 2012 (CAPE Studies in Applied Philosophy & Ethics Series Vol.1)*, pp. 39-49.
3. Sugawara, Y. and Nakao, H. 2013. Mechanistic stance: An epistemic norm among scientists. In *Proceedings of the CAPE International Workshops, 2012 (CAPE Studies in Applied Philosophy & Ethics Series Vol.1)*, pp.50-59.
4. Itakura, S. and Nakao, H. 2012. Mechanisms for cultural inheritance: Learning and teaching. In Nakao, H. and Minaka, N. Eds. *An introduction to cultural phylogenetics: Investigating the patterns of cultural evolution*. Tokyo: Keiso Shobo (In Japanese).
5. Nakao, H. 2012. Reconstructing the past of culture: Patterns and processes of cultural evolution. In Nakao, H. and Minaka, N. Eds. *An introduction to cultural phylogenetics: Investigating the patterns of cultural evolution*. Tokyo: Keiso Shobo (In Japanese).
6. Nakao, H. 2011. Evolvability in cultural evolution in terms of psychological mechanisms. In Yokoyama, T. Ed. *Darwin and contemporary philosophy of biology*. Tokyo: Keiso Shobo (In Japanese).
7. Nakao, H. 2010. The structures and methodologies in the evolutionary studies of human behaviors. In Shunkichi, M. Ed. *Why does the theory of natural selection matter in philosophy?* Tokyo: Keiso Shobo. (In Japanese)

### **Translations**

1. K. Sterelny *Evolved apprentice: How evolution made human unique*. (with Genka, T., Sugawara, Y., Tanaka, S.).
2. K. Sterelny and P. E. Griffiths *Sex and death: An introduction to philosophy of biology*. (with Ota, K., Otsuka, J., Tanaka, S., Nishimura, S., and Fujikawa, N.)

### **Reviews**

1. Nakao, H. 2012. Review of Kelly, D. 2011. *Yuck!: The nature and moral significance of disgust*.

- Cambridge, MA: The MIT Press. *Philosophy and History of Science Studies* 6: 103-107. (In Japanese)
2. Nakao, H. 2011. Review of Mitchell, S. D. *Unsimple truths: Science, complexity, and policy*. Chicago, IL: The University of Chicago Press. *Philosophy and History of Science Studies* 5: 117-121. (In Japanese)
  3. Nakao, H. 2010. Review of Godfrey-Smith, P. *Darwinian populations and natural selection*, New York: Oxford University Press. *Philosophy and History of Science Studies* 4: 137-140. (In Japanese)
  4. Nakao, H. 2008. Review of Henrich, N. and Henrich, J. *Why humans cooperate: A cultural and evolutionary explanation*. *Philosophical Studies* 35: 246-249. (In Japanese)
  5. Nakao, H. 2008. Review : Odling-Smee, J., Laland, K., and Feldman, M. 2003. *Niche construction: The Neglected Process in Evolution*. *Philosophy and History of Science Studies* 2: 162-164. (In Japanese)

#### **Conference Presentations**

1. Nakao, H. Anthropomorphism and anti-anthropomorphism: A plea for synthesis. The 2013 Meeting of ISHPSSB, Universite de Montpellier, France, 07/12/2013.
2. Nakao, H. and Andrews, K. Ready to learn: A critique of the theory of natural pedagogy. 39th Annual Meeting of Society for Philosophy and Psychology, Brown University, Providence, 06/13/2013.
3. Nakao, H. Comments and questions (1): Why did the attribution of propositional attitudes evolve? CAPE Philosophy of animal minds Workshop, Kyoto, 01/06/2013.
4. Sugawara, Y. and Nakao, H. "Mechanistic stance: An epistemic norm among scientists". IHPST Paris-CAPE Kyoto, philosophy of biology workshop, 11/04/2012.
5. Yoshida, Y. and Nakao, H. "Overlooked elements in the history of evo-devo: Studies of epigenetics in the 80s". IHPST Paris-CAPE Kyoto, philosophy of biology workshop, 11/04/2012.
6. Sugawara, Y., Nakao, H., and Ota, A. "A critical review of the dual visual system hypothesis". First Conference on Contemporary Philosophy in East Asia, 09/06/2012
7. Nakao, H. and Andrews, K. "Ready to learn: A critique of the theory of natural pedagogy". 20th meeting, European Society for Philosophy and Psychology, London, August 29, 2012.
8. Nakao, H. What does represent and what scientific models (and others) do represent. Japanese association of philosophy of science, the fall meeting. November 05, 2011.
9. Nakao, H. and Machery E. "The evolution of punishment" 14th Congress of Logic, Methodology and Philosophy of Science, University of Nancy, July 23, 2011.
10. Nakao, H. and Machery E. "The evolution of punishment" ISHPSSB, University of Utah, July

- 12, 2011.
11. Nakao, H. "Patterns and processes in cultural evolution." Annual meeting of Japan Association for Philosophy of Science, Senshu University, Tokyo, Japan, June 13, 2010. (In Japanese)
  12. Kaji, N. and Nakao, H. "On human nature." Workshop Ontological problems in biology: How to (not) define biological entities? at the 2<sup>nd</sup> annual meeting of Japanese Association for the Contemporary and Applied Philosophy, Hokkaido University, Hokkaido, Japan, April 25, 2010. (In Japanese)
  13. Nakao, H. "What is 'biological' reality?". Workshop, Ontological problems in biology: How to (not) define biological entities? at the 2<sup>nd</sup> annual meeting of Japanese Association for the Contemporary and Applied Philosophy, Hokkaido University, Hokkaido, Japan, April 25, 2010. (In Japanese)
  14. Nakao, H. "Where is evolutionary psychology heading?" The 2009 ISHPSSB meeting, University of Queensland, Brisbane, Australia, July 12, 2009.
  15. Nakao, H. "Philosophical reflections on biodiversity", The 11<sup>th</sup> annual meeting Japan Society for Evolutionary Studies, Japan, Hokkaido University, Hokkaido, Japan, September 3, 2009. (In Japanese)
  16. Nakao, H. "Developmental systems theory and evolutionary developmental biology", Annual meeting of Japan Association for Philosophy of Science, Osaka City University, Osaka, Japan, June 13, 2009. (In Japanese)
  17. Nakao, H. "What is biodiversity?: On species as a surrogate", The 1<sup>st</sup> annual meeting of Japanese Association for the Contemporary and Applied Philosophy, Kyoto University, Kyoto, Japan, April 25, 2009. (In Japanese)
  18. Nakao, H. "Cultural evolutionary theory in a philosophical perspective", ISHPSSB Off-Year Workshop, Kobe University, Kobe, Japan, November 5, 2008.
  19. Nakao, H. "Does human behavioral ecology need the phenotypic gambit?", The 2008 Human Behavior and Evolution Society Conference, Kyoto University, Kyoto, Japan, June 6, 2008.
  20. Nakao, H. "Philosophical issues in cultural evolutionary theories", The 10<sup>th</sup> annual meeting Japan Society for Evolutionary Studies, Japan, Hokkaido University, Hokkaido, Japan, August 23, 2008. (In Japanese)
  21. Nakao, H. "On the conflict between human behavioral ecology and evolutionary psychology", The 9<sup>th</sup> annual meeting of Human Behavior and Evolution Society of Japan, The Graduate University for Advanced Studies, Kanagawa, Japan, December 8, 2007. (In Japanese)
  22. Nakao, H. "What is HBE for?", The 40<sup>th</sup> annual meeting of Philosophy of Science Society, Japan, Chuo University, Tokyo, Japan, November 11, 2007. (In Japanese).
  23. Nakao, H. "Evolutionary studies of human behaviors: On the relation between psychology and behavior", The 9<sup>th</sup> annual meeting Japan Society for Evolutionary Studies, Japan, Kyoto

University, Kyoto, Japan, August 31, 2007. (In Japanese)

24. Nakao, H. "The evolution of empathy", The 39<sup>th</sup> annual meeting of Philosophy of Science Society, Japan, Hokkaido University, Hokkaido, Japan, October 22, 2006. (In Japanese).
25. Nakao, H. "The relation between emotional empathy and altruistic behaviors", The 38<sup>th</sup> annual meeting of Philosophy of Science Society, Japan, Tokyo University, Tokyo, Japan, December 3, 2005. (In Japanese).

### **Invited Presentations**

1. Nakao, H. The evolution of teaching through a critique of the theory of natural pedagogy. The 8<sup>th</sup> Inuyama Comparative Social Cognition Symposium, Inuyama, 01/13/2013.
2. Nakao, H. "Evolution of punishment and teaching". Second East Asia Philosophy of Science Workshop, 11/12/2012.
3. Nakao, H. Pattern and process in cultural evolution. Workshop "Investigating the Evolution of Human Cultural Diversity", Kyoto University, Kyoto, Japan, February 24, 2010. (In Japanese)
4. Nakao, H. "Cultural evolution and biological evolution", Seminar on Psychology and Evolution, Kyoto University, Kyoto, Japan, January 8 and 15, 2010. (In Japanese)
5. Nakao, H. "Cultural and general evolvability", Darwin's bicentenary Workshop at The 42<sup>nd</sup> annual meeting of Philosophy of Science Society, Japan, Takachiho University, Tokyo, Japan, November 21, 2009. (In Japanese)
6. Nakao, H. "Two models on moral dilemmas", Colloquium for Cognitive Neuropsychiatry and Affective Neuroscience, Kyoto University, Kyoto Japan, May 29, 2009. (In Japanese)
7. Nakao, H. "Moral nativism revisited?", Colloquium for Developmental Science, Kyoto University, Kyoto, Japan, May 16, 2009. (In Japanese)
8. Nakao, H. "Empathy and mind-reading", Workshop on Philosophy of Biology and Psychology, Kyoto University, Kyoto, Japan, November 18, 2006. (In Japanese)

### **Membership in Professional Organizations**

Since 2013 HBESJ (Human Behavior and Evolution Society of Japan), Co-editor of *Letters on Evolutionary Behavioral Science* since 2013

Since 2010 APA (American Philosophical Association)

Since 2010 PSA (Philosophy of Science Association)

Since 2009 ISHPSSB (International Society for History, Philosophy, and Social Studies of Biology)

Since 2009 Japan Association for Philosophy of Science

Since 2008 Japanese Association for the Contemporary and Applied Philosophy

Since 2007 Society of Evolutionary Studies, Japan

Since 2005 Philosophy of Science Society, Japan