

Nobuhito Abe, Ph.D.

Contact Information

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Kyoto University,
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Job History

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| 2013/04– | Associate Professor, Kokoro Research Center, Kyoto University, Kyoto 606-8501, JAPAN |
| 2012/04– | Assistant Professor, Kokoro Research Center, Kyoto University, Kyoto 606-8501, JAPAN |
| 2010/04–2012/03 | Post-doctoral Research Fellow, Department of Psychology, Harvard University, Cambridge, MA 02138, USA |
| 2008/10–2010/03 | Assistant Professor, Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of Medicine, Sendai, Japan |
| 2008/04–2008/09 | Post-doctoral Research Fellow, Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of Medicine, Sendai, Japan |
| 2005/04–2008/03 | Japan Society for the Promotion of Science (JSPS) Researcher |

Academic History

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| 2005/04–2008/03 | Ph.D., in Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of Medicine; Dissertation: Neural basis of human deceptive behavior: evidence from neuroimaging and neuropsychology. (Supervisor: Dr. Etsuro Mori and Dr. Toshikatsu Fujii) |
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2003/04–2005/03 M.S., in Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of Medicine; Thesis: Dissociable roles of prefrontal and anterior cingulate cortices in deception. (Supervisor: Dr. Etsuro Mori and Dr. Toshikatsu Fujii)

1999/04–2003/03 B.A., Faculty of Arts and Letters, Tohoku University

Fellowships, Awards, and Honors

2015 International Contributions to Psychology; Awards for Distinguished Early and Middle Career Contributions (The Japanese Psychological Association)

2012 2011–2012 Board of Tutors in Neurobiology ([Harvard University's undergraduate education in the life sciences](#))

2010–2012 Research Fellowship for Research Abroad from the Japan Society for the Promotion of Science (JSPS)

2008 Presidential Prize, Tohoku University

2005–2008 Research Fellowship for Graduate Students from the Japan Society for the Promotion of Science (JSPS) (DC1)

2004 10th Annual meeting of the Organization for Human Brain Mapping, Travel Award

Professional Memberships

Society for Neuroscience

Japan Neuroscience Society

Japanese Psychological Association

Japan Human Brain Mapping Society

Japanese Cognitive Science Society

Neuropsychology Association of Japan

Professional Experience

Journal Reviewing (Ad Hoc)

Annals of General Psychiatry

Biological Psychology
Brain and Cognition
Brain Research
Brain Topography
Cerebral Cortex
Child Development
Clinical Medicine Insights: Geriatrics
Cognitive, Affective, and Behavioral Neuroscience
Cortex
Criminal Justice and Behavior
Frontiers in Cognitive Science
Frontiers in Decision Neuroscience
Frontiers in Human Neuroscience
Human Brain Mapping
Journal of Experimental Psychology: Applied
Journal of Experimental Social Psychology
Journal of Forensic and Legal Medicine
Journal of Neuroscience
Journal of Personality and Social Psychology: Attitudes and Social Cognition
Laterality: Asymmetries of Body, Brain and Cognition
Memory and Cognition
Neuroimage
Neuropsychologia ([Top Reviewers in 2007](#))
Neuroscience
Neuroscience Letters
Neuroscience Research
PLoS ONE
Progress in Neuro–Psychopharmacology and Biological Psychiatry
Psychiatry Research: Neuroimaging
Psychological Bulletin
Psychological Science
Quarterly Journal of Experimental Psychology
Science
Scientific Reports
Social Cognitive and Affective Neuroscience
Grant Reviewing (Ad Hoc)
National Science Foundation

Publications

1. **Abe N**, Greene JD, Kiehl KA (2018)
Reduced engagement of the anterior cingulate cortex in the dishonest decision-making of incarcerated psychopaths
Social Cognitive and Affective Neuroscience
2. Kajimura S, Kochiyama T, **Abe N**, Nomura M (2018)
Challenge to unity: Relationship between hemispheric asymmetry of default mode network and mind wandering
Cerebral Cortex
3. **Abe N**, Kawasaki I, Hosokawa H, Baba T, Takeda A (2018)
Do patients with Parkinson's disease exhibit reduced cheating behavior? A neuropsychological study
Frontiers in Neurology 9: 378
4. Ueda R, Yanagisawa K, Ashida H, **Abe N** (2018)
Executive control and faithfulness: only long-term romantic relationships require prefrontal control
Experimental Brain Research 236: 821–828
5. Ueda R, Yanagisawa K, Ashida H, **Abe N** (2017)
Implicit attitudes and executive control interact to regulate interest in extra-pair relationships
Cognitive, Affective, and Behavioral Neuroscience 17 (6): 1210–1220
6. Yoneda M, Ueda R, Ashida H, **Abe N** (2017)
Automatic honesty forgoing reward acquisition and punishment avoidance: a functional MRI investigation
Neuroreport 28: 879–883
7. Kitayama S, Yanagisawa K, Ito A, Ueda R, Uchida Y, **Abe N** (2017)
Reduced orbitofrontal cortical volume is associated with interdependent self-construal
Proceedings of the National Academy of Sciences of the United States of America 114 (30): 7969–7974

8. Tei S, Fujino J, Kawada R, Jankowski KF, Kauppi J, van den Bos W, **Abe N**, Sugihara G, Miyata J, Murai T, Takahashi H (2017)
Collaborative roles of temporoparietal junction and dorsolateral prefrontal cortex in different types of behavioural flexibility
Scientific Reports 7 (1): 6415
9. Ueda R, Ashida H, Yanagisawa K, **Abe N** (2017)
The neural basis of individual differences in mate poaching
Social Neuroscience 12 (4): 391–399
10. Ito A, Fujii T, **Abe N**, Kawasaki I, Hayashi A, Ueno A, Yoshida K, Sakai S, Mugikura S, Takahashi S, Mori E (2016)
Gender differences in ventromedial prefrontal cortex activity associated with valuation of faces
Neuroscience 328:194–200
11. Kajimura S, Kochiyama T, Nakai R, **Abe N**, Nomura M (2016)
Causal relationship between effective connectivity within the default mode network and mind-wandering regulation and facilitation
Neuroimage 133: 21–30
12. Yanagisawa K, **Abe N**, Kashima ES, Nomura M (2016)
Self-esteem modulates amygdala-ventrolateral prefrontal cortex connectivity in response to mortality threats
Journal of Experimental Psychology: General 145 (3): 273–283
13. Mugikura S, **Abe N**, Ito A, Kawasaki I, Ueno A, Takahashi S, Fujii T (2016)
Medial temporal lobe activity associated with the successful retrieval of destination memory
Experimental Brain Research 234: 95–104
14. Kajimura S, Kochiyama T, Nakai R, **Abe N**, Nomura M (2015)
Fear of negative evaluation is associated with altered brain function in nonclinical subjects
Psychiatry Research: Neuroimaging 234 (3): 362–368

15. Kawagoe T, Suzuki M, Nishiguchi S, **Abe N**, Otsuka Y, Nakai R, Yamada M, Yoshikawa S, Sekiyama K (2015)
Brain activation during visual working memory correlates with behavioral mobility performance in older adults
Frontiers in Aging Neuroscience 7: 186
16. Nishiguchi S, Yamada M, Tanigawa T, Sekiyama K, Kawagoe T, Suzuki M, Yoshikawa S, **Abe N**, Otsuka Y, Nakai R, Aoyama T, Tsuboyama T (2015)
A 12-week physical and cognitive exercise program can improve cognitive function and neural efficiency in community-dwelling older adults: a randomized controlled trial
Journal of the American Geriatrics Society 63 (7): 1355–1363
17. Ito A, **Abe N**, Kawachi Y, Kawasaki I, Ueno A, Yoshida K, Sakai S, Matsue Y, Fujii T (2015)
Distinct neural correlates of the preference-related valuation of supraliminally and subliminally presented faces
Human Brain Mapping 36 (8): 2865–2877
18. **Abe N**, Greene JD (2014)
Response to anticipated reward in the nucleus accumbens predicts behavior in an independent test of honesty
Journal of Neuroscience 34 (32): 10564–10572
19. **Abe N**, Fujii T, Ito A, Ueno A, Koseki Y, Hashimoto R, Hayashi A, Mugikura S, Takahashi S, Mori E (2014)
The neural basis of dishonest decisions that serve to harm or help the target
Brain and Cognition 90: 41–49
20. Hayashi A, **Abe N**, Fujii T, Ito A, Ueno A, Koseki Y, Mugikura S, Takahashi S, Mori E (2014)
Dissociable neural systems for moral judgment of anti- and pro-social lying
Brain Research 1556: 46–56
21. **Abe N**, Fujii T, Suzuki M, Ueno A, Shigemune Y, Mugikura S, Takahashi S, Mori E (2013)
Encoding- and retrieval-related brain activity underlying false recognition
Neuroscience Research 76 (4): 240–250

22. Ogura K, Fujii T, **Abe N**, Hosokai Y, Shinohara M, Fukuda H, Mori E (2013)
Regional cerebral blood flow and abnormal eating behavior in Prader–Willi syndrome
Brain and Development 35 (5): 427–434
23. **Abe N** (2012)
Neuroimaging studies of false memory: a selective review
Psychologia 55 (2): 131–145
24. Ito A, **Abe N**, Fujii T, Hayashi A, Ueno A, Mugikura S, Takahashi S, Mori E (2012)
The contribution of the dorsolateral prefrontal cortex to the preparation for deception and truth–telling
Brain Research 1464: 43–52
25. Hashimoto R, **Abe N**, Ueno A, Fujii T, Takahashi S, Mori E (2012)
Changing the criteria for old/new recognition judgments can modulate activity in the anterior hippocampus
Hippocampus 22 (2): 141–148
26. Hanaki R, **Abe N**, Fujii T, Ueno A, Nishio Y, Hiraoka K, Shimomura T, Iizuka O, Shinohara M, Hirayama K, Mori E (2011)
The effects of aging and Alzheimer's disease on associative recognition memory
Neurological Sciences 32 (6): 1115–1122
27. Kanno S, **Abe N**, Saito M, Takagi M, Nishio Y, Hayashi A, Uchiyama M, Hanaki R, Kikuchi H, Hiraoka K, Yamasaki H, Iizuka O, Takeda A, Itoyama Y, Takahashi S, Mori E (2011)
White matter involvement in idiopathic normal pressure hydrocephalus: A voxel–based diffusion tensor imaging study
Journal of Neurology 258 (11): 1949–1957
28. **Abe N** (2011)
How the brain shapes deception: An integrated review of the literature
Neuroscientist 17 (5): 560–574
29. **Abe N**, Fujii T, Nishio Y, Iizuka O, Kanno S, Kikuchi H, Takagi M, Hiraoka K, Yamasaki H, Choi H, Hirayama K, Shinohara M, Mori E (2011)
False item recognition in patients with Alzheimer's disease
Neuropsychologia 49 (7): 1897–1902

30. Ito A, **Abe N**, Fujii T, Ueno A, Koseki Y, Hashimoto R, Mugikura S, Takahashi S, Mori E (2011)
The role of the dorsolateral prefrontal cortex in deception when remembering neutral and emotional events
Neuroscience Research 69 (2): 121–128
31. Ogura K, Fujii T, **Abe N**, Hosokai Y, Shinohara M, Takahashi S, Mori E (2011)
Small gray matter volume in orbitofrontal cortex in Prader–Willi syndrome: a voxel–based MRI study
Human Brain Mapping 32(7): 1059–1066
32. **Abe N**, Fujii T, Ueno A, Shigemune Y, Suzuki M, Tashiro M, Mori E (2010)
Right temporal–lobe contribution to the retrieval of family relationships in person identification
Neuroscience Letters 486 (1): 10–13
33. Hayashi A, **Abe N**, Ueno A, Shigemune Y, Mori E, Tashiro M, Fujii T (2010)
Neural correlates of forgiveness for moral transgressions involving deception
Brain Research 1332: 90–99
34. Mugikura S, **Abe N**, Suzuki M, Ueno A, Higano S, Takahashi S, Fujii T (2010)
Hippocampal activation associated with successful external source monitoring
Neuropsychologia 48 (6): 1543–1550
35. Shigemune Y, **Abe N**, Suzuki M, Ueno A, Mori E, Tashiro M, Itoh M, Fujii T (2010)
Effects of emotion and reward motivation on neural correlates of episodic memory encoding: a PET study
Neuroscience Research 67 (1): 72–79
36. Kikuchi H, Fujii T, **Abe N**, Suzuki M, Takagi M, Mugikura S, Takahashi S, Mori E (2010)
Memory repression: Brain mechanisms underlying dissociative amnesia
Journal of Cognitive Neuroscience 22 (3): 602–613
37. **Abe N** (2009)
The neurobiology of deception: evidence from neuroimaging and loss–of–function studies
Current Opinion in Neurology 22 (6): 594–600

38. Ueno A, **Abe N**, Suzuki M, Shigemune Y, Hirayama K, Mori E, Tashiro M, Itoh M, Fujii T (2009)
Reactivation of medial temporal lobe and human V5/MT+ during the retrieval of motion information: a PET study
Brain Research 1285: 127–134
39. **Abe N**, Fujii T, Hirayama K, Takeda A, Hosokai Y, Ishioka T, Nishio Y, Suzuki K, Itoyama Y, Takahashi S, Fukuda H, Mori E (2009)
Do parkinsonian patients have trouble telling lies? The neurobiological basis of deceptive behaviour
Brain 132 (5): 1386–1395
40. **Abe N**, Okuda J, Suzuki M, Sasaki H, Matsuda T, Mori E, Tsukada M, Fujii T (2008)
Neural correlates of true memory, false memory, and deception
Cerebral Cortex 18 (12): 2811–2819
41. Hirayama K, Tachibana K, **Abe N**, Manabe H, Fuse T, Tsukamoto T (2008)
Simultaneously cooperative, but serially antagonistic: A neuropsychological study of diagonal dyspraxia in a case of Marchiafava–Bignami disease
Behavioural Neurology 19 (3): 137–144
42. **Abe N**, Ishii H, Fujii T, Ueno A, Lee E, Ishioka T, Mori E (2007)
Selective impairment in the retrieval of family relationships in person identification: A case study of delusional misidentification
Neuropsychologia 45 (13): 2902–2909
43. **Abe N**, Suzuki M, Mori E, Itoh M, Fujii T (2007)
Deceiving others: distinct neural responses of the prefrontal cortex and amygdala in simple fabrication and deception with social interactions
Journal of Cognitive Neuroscience 19 (2): 287–295
44. Ueno A, **Abe N**, Suzuki M, Hirayama K, Mori E, Tashiro M, Itoh M, Fujii T (2007)
Reactivation of medial temporal lobe and occipital lobe during the retrieval of color information: A positron emission tomography study
Neuroimage 34 (3): 1292–1298
45. **Abe N**, Suzuki M, Tsukiura T, Mori E, Yamaguchi K, Itoh M, Fujii T (2006)
Dissociable roles of prefrontal and anterior cingulate cortices in deception
Cerebral Cortex 16 (2): 192–199

46. Kondo Y, Suzuki M, Mugikura S, Abe N, Takahashi S, Iijima T, Fujii T (2005)
Changes in brain activation associated with use of a memory strategy: a functional MRI
study
Neuroimage 24 (4): 1154–1163