

Duncan A. Wilson, DSc

Postdoctoral Fellow, Japan Society for the Promotion of Science

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EDUCATION

- 2015 – 2019 **Doctor of Science, Primatology and Wildlife Research**
Primate Research Institute, Kyoto University, Japan
Certification: Kyoto University Leading Graduate Program in Primatology and Wildlife Science.
Thesis: Exploring attentional bias towards threatening faces in chimpanzees.
Supervisor: Prof. Masaki Tomonaga
- 2012 – 2013 **Master of Science, Applied Animal Behaviour and Animal Welfare**
The Royal (Dick) School of Veterinary Studies, University of Edinburgh, UK
Dissertation: Exploring behavioural laterality as a potential welfare measure in captive capuchin monkeys (*Sapajus apella*).
Supervisor: Dr. Sarah-Jane Vick
- 2000 – 2003 **Bachelor of Science (Hons), Psychology**
Department of Psychology, University of Hull, UK
Dissertation: First-perspective spatial alignment effects in learning from different media.
Supervisor: Dr. Catherine Fritz

EMPLOYMENT (RESEARCH)

- 2020 – 2022 **JSPS Postdoctoral Fellow**
Primate Research Institute, Kyoto University, Japan
Identifying and validating facial expressions of pain in common marmosets using a geometric morphometric approach.
- 2018 – 2020 **Postdoctoral Researcher (2019–2020), Research Assistant (2018–2019)**
Primate Research Institute, Kyoto University, Japan
Conducted non-invasive cognitive touchscreen experiments with captive chimpanzees.
Trained graduate students in chimpanzee experimentation and husbandry.
Prepared and served food and medicine to chimpanzees.
- 2003 – 2003 **Research Assistant**
School of Psychology, Flinders University, Australia
Conducted experiments on human spatial learning in real and virtual environments.

EMPLOYMENT (TEACHING)

- 2014 – 2015 **Assistant Language Teacher**
Interac Co., Ltd (Kanda Town Board of Education), Fukuoka Prefecture, Japan
Taught English classes with Japanese Teachers of English in public junior high schools.
- 2011 – 2012 **Assistant Language Teacher**
Altia Central Co., Ltd (Hatsukaichi Municipal Board of Education), Hiroshima Prefecture, Japan
Taught English classes with Japanese Teachers of English in public elementary schools.
- 2005 – 2010 **Assistant Language Teacher, Japan Exchange and Teaching (JET) Programme**
Oita Prefectural Board of Education, Japan
Taught English classes with Japanese Teachers of English in public senior high schools.

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FUNDING AWARDS

- 2020 – 2022 **JSPS Postdoctoral Research Fellowship** (8,688,000 JPY)
JSPS Grant-in-Aid for Research Fellows, PI: Dr. Takako Miyabe (2,300,000 JPY)
Project: A novel method to assess pain in common marmosets using facial expressions.
- 2018 – 2020 **JSPS Grant-in-Aid for Research Activity Start-up** (2,860,000 JPY)
Project: Comparing emotional attention in humans and chimpanzees:
Is the touchscreen dot probe task an effective tool?
- 2015 – 2018 **Japanese Government (MEXT) Postgraduate Scholarship** (5,220,000 JPY)
Doctoral Project: Exploring attentional bias towards threatening faces in chimpanzees.

PUBLICATIONS (PEER-REVIEWED)

1. Wilson, D. A., Tomonaga, M. Search asymmetries for threatening faces in chimpanzees (*Pan troglodytes*). *Journal of Comparative Psychology* (under review).
2. Wilson, D. A., Tomonaga, M. (2018). Exploring attentional bias towards threatening faces in chimpanzees using the dot probe task. *PLoS ONE* 13(11): e0207378. doi: [10.1371/journal.pone.0207378](https://doi.org/10.1371/journal.pone.0207378)
3. Wilson, D. A., Tomonaga, M. (2018). Visual discrimination of primate species based on faces in chimpanzees. *Primates*. 59, 3, 243–251. doi: [10.1007/s10329-018-0649-8](https://doi.org/10.1007/s10329-018-0649-8)
4. Wilson, D. A., Tomonaga, M., Vick, S-J. (2016). Eye preferences in capuchin monkeys (*Sapajus apella*). *Primates*, 57, 3, 433–440. doi: [10.1007/s10329-016-0537-z](https://doi.org/10.1007/s10329-016-0537-z)
5. Tlauka, M., Donaldson, P., Wilson, D. (2008). Forgetting in spatial memories acquired in a virtual environment. *Applied Cognitive Psychology*, 22, 1, 69–84. doi: [10.1002/acp.1341](https://doi.org/10.1002/acp.1341)
6. Wilson, P. N., Wilson, D. A., Griffiths, L., Fox, S. (2007). First-perspective spatial alignment effects from real-world exploration. *Memory & Cognition*, 35, 1432–1444. doi: [10.3758/BF03193613](https://doi.org/10.3758/BF03193613)

INVITED LECTURES

1. Exploring attentional bias towards threatening faces in chimpanzees. *Animal Welfare and Behaviour Group*. University of Bristol (UK), Sep, 2019.
2. Evaluating the effectiveness of the dot probe task as a measure of emotional attention in chimpanzees. *Centre for Behaviour and Evolution*. Newcastle University (UK), Nov, 2018.
3. Evaluating the effectiveness of the dot probe task as a measure of emotional attention in chimpanzees. *Adaptive Behaviour Research Group*. Sheffield University (UK), Nov, 2018.

SCIENCE OUTREACH

1. Zoo/Museum Talk: Capuchin monkeys.
Aichi Prefectural Meiwa Senior High School students, Japan Monkey Centre, Apr, 2018.

PRESENTATION AWARDS

1. International Society for Applied Ethology (ISAE) Student Poster Competition Award (2nd Place). *50th International Society for Applied Ethology Congress*. Edinburgh (UK), Jul, 2016.
Eye preferences in response to emotional stimuli in captive capuchin monkeys (*Sapajus apella*).

CONFERENCE PRESENTATIONS (SELECTED)

1. Duncan A. Wilson, Masaki Tomonaga. Exploring attentional bias towards threatening faces in chimpanzees using the dot probe task. *8th European Federation of Primatology Meeting and Primate Society of Great Britain Winter Meeting*. Oxford (UK), Sep, 2019 (poster).

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2. Duncan A. Wilson, Masaki Tomonaga. Exploring attentional bias towards emotional faces in chimpanzees using the dot probe task. *53rd International Society for Applied Ethology Congress*. Bergen (Norway), Jul, 2019 (oral).
3. Duncan A. Wilson, Masaki Tomonaga. Exploring attentional bias towards emotional faces in chimpanzees using the dot probe task. *14th International Conference on Environmental Enrichment*. Kyoto (Japan), Jun, 2019 (poster).
4. Duncan A. Wilson, Masaki Tomonaga. Visual discrimination of threatening faces in chimpanzees. *63rd Annual Meeting of Primate Studies*. Inuyama (Japan), Jan, 2019 (poster).
5. Duncan A. Wilson, Masaki Tomonaga. Exploring attentional bias towards threatening faces in chimpanzees using the dot probe task. *78th Annual Meeting of the Japanese Society for Animal Psychology*. Hiroshima (Japan), Aug, 2018 (oral).
6. Duncan A. Wilson, Masaki Tomonaga. Visual discrimination of primate species based on faces in chimpanzees. *34th Annual Meeting of the Primate Society of Japan*. Tokyo (Japan), Jul, 2018 (oral).
7. Duncan A. Wilson, Masaki Tomonaga. Exploring attentional bias in chimpanzees using the dot probe task. *62nd Annual Meeting of Primate Studies*. Inuyama (Japan), Jan, 2018 (poster).
8. Duncan A. Wilson, Masaki Tomonaga, Sarah-J. Vick. Eye preferences in response to emotional stimuli in captive capuchin monkeys (*Sapajus apella*). *50th Anniversary Meeting of the Primate Society of Great Britain*. London (UK), Nov, 2017 (poster).
9. Duncan A. Wilson, Masaki Tomonaga. Exploring attentional bias in chimpanzees using the dot probe task. *36th Annual Meeting of the Japan Ethological Society, Behavior 2017*. Tokyo (Japan), Jul, 2017 (poster).
10. Duncan A. Wilson, Masaki Tomonaga. How do chimpanzees discriminate primate species based on faces? *50th Anniversary Symposium of the Kyoto University Primate Research Institute*. Inuyama (Japan), Jan, 2017 (poster).
11. Duncan A. Wilson, Masaki Tomonaga. How do chimpanzees discriminate primate species based on faces? *61st Annual Meeting of Primate Studies*. Inuyama (Japan), Jan, 2017 (poster).
12. Duncan A. Wilson, Masaki Tomonaga. Perceptual categorisation of primate faces by chimpanzees. *76th Annual Meeting of the Japanese Society for Animal Psychology*. Sapporo (Japan), Nov, 2016 (oral).
13. Duncan A. Wilson, Masaki Tomonaga, Sarah-J. Vick. Eye preferences in response to emotional stimuli in captive capuchin monkeys (*Sapajus apella*). *26th Congress of the International Primatological Society and 39th Meeting of the American Society of Primatologists*. Chicago (USA), Aug, 2016 (poster).
14. Duncan A. Wilson, Masaki Tomonaga, Sarah-J. Vick. Eye preferences in response to emotional stimuli in captive capuchin monkeys (*Sapajus apella*). *31st International Congress of Psychology*. Yokohama (Japan), Jul, 2016 (oral).
15. Duncan A. Wilson, Masaki Tomonaga, Sarah-J. Vick. Eye preferences in response to emotional stimuli in captive capuchin monkeys (*Sapajus apella*). *50th International Society for Applied Ethology Congress*. Edinburgh (UK), Jul, 2016 (poster).
16. Duncan A. Wilson, Masaki Tomonaga, Sarah-J. Vick. Eye preferences in response to emotional stimuli in captive capuchin monkeys (*Sapajus apella*). *31st Annual Meeting of the Primate Society of Japan*. Kyoto (Japan), Jul, 2015 (oral).
17. Duncan A. Wilson. Can eye preferences in response to emotional stimuli be used as a welfare measure in captive capuchin monkeys? *59th Annual Meeting of Primate Studies*. Inuyama (Japan), Jan, 2015 (oral).

FIELDWORK EXPERIENCE

2016	Killer whale field research (Rausu, Shiretoko National Park, Japan).
2015	Chimpanzee behavioural observation (Gombe Stream National Park, Tanzania).
2015	Japanese macaque behavioural observation (Koshima and Yakushima Islands, Japan).

TECHNICAL SKILLS AND CERTIFICATIONS

IT	Microsoft Visual Basic (Programming), SPSS, Minitab, R (Statistics).
Behaviour	ChimpFACS, MaqFACS (Facial Action Coding System) certified coder, Tobii (Eye-tracking), BORIS
Teaching	Cambridge Certificate in English Language Teaching to Adults (CELTA).
Languages	Japanese Language Proficiency Test (JLPT) Certificate: Level N3 (Intermediate).

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PROFESSIONAL MEMBERSHIPS

International Society for Applied Ethology
Japanese Society for Animal Psychology

Primate Society of Great Britain
Primate Society of Japan