

## **James Brooks**

Kyoto University Institute for Advanced Study  
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### **RESEARCH AND EMPLOYMENT EXPERIENCE**

#### **Post doctorate:**

**Kyoto University Institute for Advanced Study** August 2023-present  
*Postdoctoral Fellow*

#### **Pre doctorate:**

**Kumamoto Sanctuary, Kumamoto Japan** October-December 2018  
*Visiting researcher*

**Study on Free Ranging Dogs, Hsinchu City, Taiwan** October 2018  
*Research Assistant*

**Wildlife Science Center, Stacy, MN, USA** June 2018-August 2018  
*Visiting researcher*

**Duke Puppy Kindergarten, Durham, NC, USA** March 2018-May 2018  
*Co-project manager*

**Hare Lab at Duke University, Durham NC, USA** March 2018-February 2019  
*Associate in Research*

**Kumamoto Sanctuary, Kumamoto, Japan** February-March 2018  
*Visiting student researcher*

**Hare Lab at Duke University, Durham NC, USA** August 2015-December 2017  
*Work-Study*

**Duke Red Colobus Project, Tanzania** Summer 2017  
*Project Initiation*

**Orangutan Kutai Project, Indonesia** Summer 2016  
*Research Assistant*

**Species Studied:** Coyote, grey wolf, domestic dog, horse, red colobus monkey, chimpanzee, bonobo, orangutan, human

### **EDUCATION**

**Wildlife Research Center, Kyoto University, Kyoto, Japan** 2021-2023  
PhD

Thesis: *The evolutionary origins of group-mindedness: Comparative studies with apes and equines*  
Advisor: Dr. Shinya Yamamoto

**Wildlife Research Center, Kyoto University, Kyoto, Japan** 2019-2021  
Master of Science

Thesis: *Evolution of groupmindedness: Comparative research with bonobos and chimpanzees*  
Advisor: Dr. Shinya Yamamoto

Duke University, Durham NC, USA

2014-2017

Bachelor of Arts with Distinction in Evolutionary Anthropology, *cum laude*

Concentration in Behavior, Ecology and Cognition

Minors in Mathematics and Philosophy

Thesis: *Evidence for self-domestication in wild coyotes?*

Advisor: Dr. Brian Hare

## PUBLICATIONS

- **Brooks, J\***, Kano, F\*, Yeow, H, Morimura, N, Yamamoto, S (2022) “Testing the effect of oxytocin on social grooming in bonobos.” *American Journal of Primatology* 84(12), e23444. doi:10.1002/ajp.23444
- **Brooks, J**, Yamamoto S (2022) “The evolution of group-mindedness: comparative research on top-down and bottom-up group cooperation in bonobos and chimpanzees” *Current Opinion in Behavioural Science* 47, 101205. doi:j.cobeha.2022.101205
- **Brooks, J**, Kano, F, Kawaguchi, Y, Yamamoto S (2022) “Oxytocin promotes species-relevant outgroup attention in bonobos and chimpanzees” *Hormones and Behaviour* 143, 105182. doi: j.yhbeh.2022.105182
- **Brooks, J**, Yamamoto S (2021) “The founder sociality hypothesis” *Ecology and Evolution* 11(21), 14392-14404. doi: 10.1002/ece3.8143
- **Brooks, J**, Yamamoto S (2021) “Response: Commentary: Dog stick chewing: an overlooked instance of tool use?” *Frontiers in Psychology* 12, 757526. doi:10.3389/fpsyg.2021.757526
- **Brooks, J\***, Yoshimura, H\*, Taki, Y\* (2021) “Knowledge-based enrichment: development of a novel enrichment device for captive chimpanzees” *Zoo Biology* 40(5), 398-406. doi:10.1002/zoo.21617
- **Brooks, J**, Onishi, E, Clarke, IE, Bohn, M, Yamamoto, S (2021) “Uniting against a common enemy: outgroup threat elicits ingroup cohesion in chimpanzees” *PLOS ONE* 16(2), e0246869. doi:10.1371/journal.pone.0246869
- **Brooks, J** (2021) “Function and representational content through Tinbergen’s levels of analysis” *Biology and Philosophy* 36(7). doi:10.1007/s10539-021-09783-5
- **Brooks, J**, Yamamoto, Y (2021) “Dog stick chewing: an overlooked instance of tool use?” *Frontiers in Psychology* 11, 3753. doi:10.3389/fpsyg.2020.577100
- **Brooks, J\***, Kano, F\*, Sato, Y, Yeow, H, Morimura, N, Nagasawa, M, Kikusui, F, Yamamoto, S (2021) “Divergent effects of oxytocin on eye contact in bonobos and chimpanzees.” *Psychoneuroendocrinology* 25, 105119. doi: 10.1016/j.psyneuen.2020.105119
- Onishi, E, **Brooks, J**, Leti, I, Monghiemo, C, Bokika, J-C, Shintaky, Y, Idani, G, Yamamoto, S (2020) “Nkala Forest: Introduction of a forest-savanna mosaic field site of wild bonobos and its future prospects.” *Pan Africa News* 27(1), 2-5. doi:10.5134/254101
- **Brooks, J**, Kays, R, Hare, B (2020) “Coyotes living near cities are bolder: implications for dog evolution and human-wildlife management.” *Behaviour* 157(3-4), 289-313. doi:10.1163/1568539X-bja10002

\*denotes equal contribution

## CONFERENCE PRESENTATIONS

- **Brooks, J**, van Heijst, K, Epping, A, Lee, S, Niksarli, A, Pope, A, Clay, Z, Kret, M, Taglialatela, J, Yamamoto, S (2023) “Outgroup cues promote ingroup cohesion in bonobos despite limited intergroup competition” Joint Meeting of the International Primatological Society and the Malaysian Primatological Society, Kuching, Malaysia (Oral)
- **Brooks, J**, Kano, F, Kawaguchi, Y, Yamamoto, S (2022) “Oxytocin promotes species-relevant outgroup attention in bonobos and chimpanzees” 82nd Annual Conference of the Japan Society for Animal Psychology (Oral)
- **Brooks, J**, Onishi, E, Clarke, I, Bohn, M, Yamamoto, S (2022) “Perceived outgroup threat promotes ingroup cohesion in chimpanzees” International Society for Behavioural Ecology Congress 2022, Stockholm, Sweden (Oral)
- Onishi, E, Inoue, S, **Brooks, J**, Yamamoto, S (2022) “Contagious urination among captive chimpanzees: Investigation of initiator and follower” International Society for Behavioural Ecology Congress 2022, Stockholm, Sweden (Poster)
- **Brooks, J**, Kano, F, Yeow, H, Morimura, N, Yamamoto, S (2022) “Oxytocin can promote social grooming in bonobos” Animal Behaviour Society 2022, San Jose, Costa Rica (Oral)
- **Brooks, J**, Yamamoto, S (2022) “The founder sociality hypothesis” 17<sup>th</sup> International Symposium on Primatology and Wildlife Science, Kyoto University, Japan (Oral)
- **Brooks, J**, Kano, F, Yamamoto, S (2022) “Oxytocin promotes species-relevant social attention in bonobos and chimpanzees.” Joint Meeting of the International Primatological Society and the Latin American Society of Primates, Quito, Ecuador (Oral-presented online)
- Onishi, E, Inoue, S, **Brooks, J**, Yamamoto, S (2021) “Urination behavior of captive chimpanzees: preliminary study of social factors.” 16<sup>th</sup> International Symposium on Primatology and Wildlife Science, Kyoto University, Japan (Poster)
- **Brooks, J**, Kano, F, Yamamoto, S (2021) “Oxytocin promotes species-relevant outgroup attention in bonobos and chimpanzees.” 15<sup>th</sup> International Symposium on Primatology and Wildlife Science, Kyoto University, Japan (Oral)
- **Brooks, J**, Kano, F, Sato, Y, Yeow, H, Morimura, N, Nagasawa, M, Kikusui, T, Yamamoto, S (2020) “Contrasting effects of exogenous oxytocin on chimpanzees’ and bonobos’ attention to eyes.” 80<sup>th</sup> Annual Meeting of the Japanese Society for Animal Psychology, Japan (Oral)
- Onishi, E, **Brooks, J**, Yamamoto, S (2020) “Chimpanzees urinate together: synchronized urination among captive chimpanzees and investigation of social relationships.” 80<sup>th</sup> Annual Meeting of the Japanese Society for Animal Psychology, Japan (Oral)
- **Brooks, J**, Onishi, E, Clark, I, Bohn, M, Yamamoto, S (2020) “Outgroup threat promotes ingroup tolerance despite increased stress in chimpanzees.” 14<sup>th</sup> International Symposium on Primatology and Wildlife Science, Kyoto University, Japan (Oral)
- Yoshimura, H, **Brooks, J**, Taki, Y (2020) “Efficacy of a novel chimpanzee enrichment device using prior knowledge and motivational structure.” 64<sup>th</sup> Primates Conference, Japan Monkey Center, Japan (Poster)

- Onishi, E, **Brooks, J**, Leti, I, Bokila, J, Shintaku, Y, Idani, G, Yamamoto, S (2020) “Report on the disappearance of four adult bonobo males in Mbali, DR Congo” 64<sup>th</sup> Primates Conference, Japan Monkey Center, Japan (Poster)
- 大西絵奈, **Brooks, J**, 山本真也 (2019) “飼育チンパンジーにおける生理反応の同期.” 12<sup>th</sup> Annual Meeting of the Human Behaviour and Evolution Society of Japan, Meiji University, Japan (Poster)
- 大西絵奈, **Brooks, J**, 山本真也 (2019) “飼育チンパンジー(*Pan Troglodytes*)における排尿タイミングの同期.” 動物行動学会, Japan (Poster)
- Onishi, E, **Brooks, J**, Yamamoto, S (2019) “Bonobo food culture? Preliminary comparison of wild bonobos' feeding ecology between two sites.” SAGA 22, Japan Monkey Center, Japan (Poster)
- **Brooks, J**, Kano, F, Yamamoto, S (2019) “Modulation of great ape social attention by oxytocin.” 12<sup>th</sup> International Symposium on Primatology and Wildlife Science, Kyoto University, Japan (Poster)
- Onishi, E, **Brooks, J**, Yamamoto, S (2019) “Preliminary behavioral survey of bonobos in Mbali, savanna-forest mosaic environment.” 12<sup>th</sup> International Symposium on Primatology and Wildlife Science, Kyoto University, Japan (Poster)
- **Brooks, J**, Kano, F, Yamamoto, S (2019) “Effects of oxytocin on chimpanzee social attention.” 35<sup>th</sup> Annual Congress of the Primate Society of Japan, Kumamoto, Japan (Poster)
- **Brooks, J**, Kays, R, Hare, B (2019) “Selection for boldness in urban coyotes: Implications for wildlife management.” 14<sup>th</sup> International Conference on Environmental Enrichment, Kyoto University, Japan (Poster)
- **Brooks, J** (2019) “Self-domestication, Groupmindedness, and the Evolution of Cooperation: Comparative studies with coyotes, bonobos, and chimpanzees.” 11<sup>th</sup> International Symposium on Primatology and Wildlife Science, Kyoto University, Japan (Poster)
- **Brooks, J** (2018) Evidence for self-domestication in wild coyotes?” 9<sup>th</sup> International Symposium on Primatology and Wildlife Science, Kyoto University, Japan (Poster)

### INVITED TALKS

- “Behavioural effects of exogenous oxytocin and outgroup stimuli in great apes” Department of Comparative Cultural Psychology, Max Planck Institute for Evolutionary Anthropology, 2023
- “Oxytocin, affiliation, and group-mindedness” Diverse Intelligences Summit, University of St Andrews, 2023
- “Comparative studies with apes and equines on the evolution of group-mindedness” Center for the Advanced Study of Collective Behaviour, University of Konstanz, 2023
- “The evolutionary origins of group-mindedness” Burkart Lab, University of Zurich. 2023
- “Comparative studies of group cohesion in apes and horses” Mathematical Biology Group, Graduate University for Advanced Studies (SOKENDAI). 2023
- “Groupmindedness in great apes” University of California San Diego Rossano Lab meeting (online). 2022

- “The evolution of groupmindedness: Comparative primatology in the field and captivity”  
Boğaziçi University Evolution Seminars (online). 2020

### GRANTS/SCHOLARSHIPS

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|---|-----------|
| <b>JSPS PD Postdoctoral Fellowship</b>                                  | 2023-2024 |
| Japan Society for the Promotion of Science                              |           |
| <b>JSPS DC1 Doctoral Fellowship, 8,500,000 JPY</b>                      | 2021-2023 |
| Japan Society for the Promotion of Science                              |           |
| <b>Evolution of Groupmindedness, <i>ad libitum</i> funding</b>          | 2019-2023 |
| Leading Graduate Program in Primatology and Wildlife Science            |           |
| <b>MEXT Research Scholarship, 3,456,000 JPY</b>                         | 2019-2021 |
| Japanese Ministry of Education, Culture, Sports, Science and Technology |           |
| <b>Duke Red Colobus Research Project, 3,000 USD</b>                     | 2017      |
| Duke Internship Funding Program   |           |
| <b>Orangutan Kutai Project, 2,200 USD</b>                               | 2016      |
| Duke Internship Funding Program   |           |

### SELECTED MEDIA COVERAGE



### AWARDS

- Best Oral Presentation (2<sup>nd</sup>)**, 16th International Symposium on Primate and Wildlife Science, Kyoto University, September 2021
- Best Oral Presentation (2<sup>nd</sup>)**, 15th International Symposium on Primate and Wildlife Science, Kyoto University, February 2021
- Best Poster (2<sup>nd</sup>)**, 11th International Symposium on Primate and Wildlife Science, Kyoto University, March 2019

### SOCIETY MEMBERSHIPS

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|---|--------------|
| International Society for Behavioural Ecology | 2022-present |
| Animal Behaviour Society                      | 2022-present |
| International Primatological Society          | 2020-present |
| Primate Society of Japan                      | 2019-present |
| Japanese Society for Animal Psychology        | 2019-present |

### REVIEWS

Ad hoc peer review for: Journal of Comparative Psychology, Emotion, Ecology and Evolution, Royal Society Open Science, Frontiers in Ecology and Evolution, PeerJ, Evolution and Human Behaviour

**LANGUAGES**

English (Native), French (Working Proficiency), Japanese (Limited Working Proficiency)