Curriculum Vitae

Name:	Fumihiro Kano, PhD
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Professional experience

1st April 2026 –	Associate Professor (Inamori Frontier Program), Kyushu University Institute for Advanced Study, Kyushu University, Fukuoka, Japan
1st April 2021 – Present	Junior group leader, Centre for the Advanced Study of Collective Behaviour (CASCB), University of Konstanz, Konstanz, Germany; Affiliated member of Max-Planck Institute of Animal Behavior, Radolfzell, Germany; Specially-appointed associate professor (from 2023), Wildlife Research Center, Kyoto University
1st April 2018 – 31st March 2021	Project-specific associate professor, Kumamoto Sanctuary, Wildlife Research Center, Kyoto University, Kumamoto, Japan.
1st April 2016 – 31st Sept. 2017	Visiting researcher, University of Oxford, Oxford, UK.
1st April 2015 – 31st March 2018	Project-specific assistant professor (in a governmentally funded project: the Keihanshin Consortium for Fostering the Next Generation of Global Leaders in Research), Kumamoto Sanctuary, Wildlife Research Center, Kyoto University, Kumamoto, Japan.
1st April 2014 – 31st March 2015	Project-specific Assistant Professor (in a project entitled “Comparative studies on the three species of hominoids”, Kumamoto Sanctuary, Wildlife Research Center, Kyoto University, Kumamoto, Japan.
1st April 2012 – 31st March. 2014	Postdoctoral Fellow for Research Abroad, funded by Japan Society for the Promotion of Science (JSPS), at Max-Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Education

Ph.D., 26th March 2012	Primatology and Wildlife Science, Division of Biological Sciences, Faculty of Science, Kyoto University, at Primate Research Institute, Inuyama, Japan. Title: *A Comparative Eye-Tracking Study in Great Apes and Humans: The Pattern of Eye Movement for Scenes and Faces.*
M.A., 23rd March 2009	Primatology and Wildlife Science, Division of Biological Sciences, Faculty of Science, Kyoto University, at Primate Research Institute, Inuyama, Japan. Title: *The Perception of Facial and Bodily Expression in Chimpanzees*
B.A., 26th March 2007	Faculty of Science, Kyoto University, Kyoto, Japan.

Research activities

2021- Centre for the Advanced Study of Collective Behaviour (CASCB)

Topic:	Cognition, attention, collective behaviour
Species:	Birds (pigeons, crows, jays, ravens, great tits), primates (great apes and monkeys) and human adults/children/infants.
Methodology:	Motion-capture, eye-tracking, computer vision

2014-2021 Kumamoto Sanctuary, Kyoto University, Japan

Topic:	Cognition (theory of mind, long-term memory, action anticipation, empathy) and attention

Species: Great apes (bonobos, chimpanzees) and birds (pigeons, crows)
Methodology: Eye-tracking, thermo-imaging.

2016-2017 Department of Zoology, University of Oxford, UK
Topic: Attention in navigation and flock coordination.
Species: Pigeons.
Methodology: Inertial measurement unit (IMU) and GPS.

2012-2014 Max-Planck Institute for Evolutionary Anthropology, Germany
Topic: Action anticipation and gaze following.
Species: Great apes (chimpanzees, bonobos, orangutans, gorillas) and human adults/children/infants.
Methodology: Eye-tracking, Thermo-imaging.

2007-2012 Primate Research Institute, Kyoto University, Japan
Topic: Attention, emotion, memory.
Species: Chimpanzees.
Methodology: Eye-tracking, Touch panel.

Funds

Externally reviewed

Pending JSPS Grant-in-Aid for Young Scientists (B): PI of a project entitled 'Examining the Ecological Validity of Nonverbal Eye-Tracking Theory of Mind Tasks in Humans and Animals' **[11,100,000 yen (~ € 100,000)]**

Pending JST BOOST Fostering Researchers in Emerging AI Program (Support for Young Researchers) "Reading the Mind Through the Eyes of Animals and Computers" **[~50,000,000 yen (~€ 300,000)]**

2025-2026 DAAD Japan JSPS project-based personnel exchange program from 2025 "The Evolution of Eye Gaze and White Sclera in Genus Homo: An Integrative Approach Combining Behavioral and Molecular Biology" **(~€ 50,000)**

2025-2026 DFG independent research grant. "Social information use by a flock of pigeons in the context of vigilance and foraging as examined using a cutting-edge fine-scale behavior tracking system" **(€ 279,990)**

2021-2025 A CASCB grant (Big Chunk large project application 2021) "Quantifying joint action and culture across species using cutting-edge motion capture and gaze tracking technologies" **(€ 510,360)**

2020-2021 Japan Society for Promotion of Science (JSPS) Grant-in-Aid for Scientific Research on Innovative Areas; 'Evolinguistics: Integrative Studies of Language Evolution for Co-creative Communication' (led by Kazuo Okanoya). PI of a project entitled 'Anticipatory looking based on false belief understanding in great apes; theory of mind and minimal theory of mind' **[3,770,000 yen (~ € 32,000)]**

2019-2021 JSPS Grant-in-Aid for Young Scientists (B): PI of a project entitled 'Understanding others' intention and emotion in great apes and crows' **[11,100,000 yen (~ € 100,000)]**

2018-2020 JSPS Grant-in-Aid for Scientific Research on Innovative Areas; 'Evolinguistics: Integrative Studies of Language Evolution for Co-creative Communication' (led by Kazuo Okanoya). PI of a project entitled 'Imagination in great apes and birds; memory, causality, others' intention' **[3,450,000 yen (~ € 30,000)]**

2018-2021 JSPS KAKENHI Grant-in-Aid for Scientific Research (S) (led by Kazuo Fujita) joined as a core member. **[12,000,000 yen (~ € 100,000)]**

2016-2019 JSPS Grant-in-Aid for Young Scientists (B)
PI of a project entitled 'Comparative cognitive cinematography: Using cutting-edge sensor technologies to examine great apes' understandings of others' intention and emotion'. **[3,900,000 yen (~ € 33,000)].**

2014-2016 JSPS Grant-in-Aid for Research Activity start-up
PI of a project entitled 'Evolution of cognition and emotion: Using behavioural and physiological measures to examine the cognitive and emotional differences between bonobos and chimpanzees' **[2,730,000 yen (~ € 23,000)].**

Internally reviewed

2021- A CASCB grant (Medium Money 21) “Eye-tracking and motion-capture of a human group in a 3D space” **(€ 79,314]**

2019-2020 Kyoto University The John Mung Program for Young Scholars; A travelling fund to support the visit to Max-Planck Institute of Animal Behavior to conduct a collaborative project on pigeons’ gaze tracking using motion-tracking system **[1,920,000 yen (~ € 16,000)]**

2014-2019 The Keihanshin Consortium for Fostering the Next Generation of Global Leaders in Research (K-CONNEX) joined as a core member. **[17,650,000 yen (~ € 150,000)]**

Awards

2023 Manfred Fuchs Prize, Heidelberg Academy of Sciences, Germany

2020 Early Carrier Investigator Award from Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan

2020 American Psychological Association (APA) Division 6 Early Carrier Investigator Award, USA

2018 International Award from the Japanese Psychological Association, Japan

2016 Krupenye, Kano, et al. (2016, co-first and correspondence) was selected as a Top-10 breakthrough study of 2016 by the journal Science

2012 Takashima Award from the Japan Primatological Society, Japan

2011 Ikushi-Prize from the Japan Society for the Promotion of Science (JSPS), Japan

Peer-reviewed journal publications

- The applicant’s name is in **bold**.
- Asterisk* indicates correspondence.
- Co-first authorship is indicated as underlines.
- Impact factor is indicated with highlights for high-impact journals

2026

1. *Sánchez-Amaro, A., Ebel van Wijk, S.J., Molenaar, C., Abuova, A., Mujica-Manrique, L., Leisterer-Peoples, S.M., Beheim, B., Maurits, L., Albiach-Serrano, A., Allritz, M., et al., **Kano, F.** (2026). EVApeCognition: An 18-Year Dataset of Great Ape Cognition. Scientific Data. [IF: 6.9 (2024)]
2. *Lewis, L.S., **Kano, F**., Stevens, J.M.G., DuBois, J.G., Call, J., & Krupenye, C. (2026). Do great apes know each other’s names?: Probing great ape comprehension of social vocal labels. Animal Behavior and Cognition, 13(1), 1–21.
3. *Chimento, M., *Chan, A.H.H., Aplin, L.M., & **Kano, F**. (2026). Peering into the world of wild passerines with 3D-SOCS: Synchronized video capture and posture estimation. Methods in Ecology and Evolution, 17(2), 339–356. [IF: 6.6 (2022)]

2025

1. *Delacoux, M., Itahara, A., & ***Kano, F.** (2025). Gaze following in pigeons increases with the number of demonstrators. iScience, 28(7). [IF: 4.6 (2023)]
2. *Chan, A.H.H., Putra, P., Schupp, H., Köchling, J., Straßheim, J., Renner, B., Schroeder, J., Pearse, W.D., Nakagawa, S., Burke, T., Griesser, M., Meltzer, A., Lubrano, S., & **Kano, F**. (2025). YOLO-Behaviour: A simple, flexible framework to automatically quantify animal behaviours from videos. Methods in Ecology and Evolution, 16(4), 760–774. [IF: 6.6 (2022)]
3. *Ramadan, S.I., Hung, T.H., Delacoux, M., **Kano, F.**, Inoue-Murayama, M., & Biro, D. (2025). Associations of genetic polymorphisms with boldness, stress response, and route efficiency in homing pigeons (Columba livia). Physiology & Behavior, 115211.

2024

4. *Delacoux, M., & ***Kano, F**. (2024). Fine-scale tracking reveals visual field use for predator detection and escape in collective foraging of pigeon flocks. eLife, 13:RP95549 [IF: 7.7 (2022)]
5. *Waldmann, U., *Chan, A., *Naik, H., *Nagy, M., *Couzin, ID., *Deussen, O., & ***Kano, F.** (2024). 3D-MuPPET: 3D Multi-Pigeon Pose Estimation and Tracking. International Journal of Computer Vision. 132, 4235–4252 [IF: 19.5 (2022)]
6. *Itahara, A., & ***Kano, F**. (2024). Gaze tracking of large-billed crows (*Corvus macrorhynchos*) in a motion capture system. Journal of Experimental Biology, 227 (6): jeb246514.

2023

7. *Lewis, L. S., Wessling, E. G., **Kano, F.,** Stevens, J. M. G., Call, J., & *Krupenye, C. (2023). Bonobos and chimpanzees remember familiar conspecifics for decades. Proceedings of the National Academy of Sciences, 120(52), e2304903120. [IF: 11.1 (2022)]
8. *Nagy, M., *Naik, H., **Kano, F.,** Carlson, N. V., Koblitz, J. C., Wikelski, M., & Couzin, I. D. (2023). SMART-BARN: Scalable multimodal arena for real-time tracking behavior of animals in large numbers. Science Advances, 9(35), eadf8068. [IF: 13.6 (2022)]
9. *Sarabian, C., Wilkinson, A., Sigaud, M., **Kano, F.**, Tobajas, J., Darmaillacq, A.-S., Kalema-Zikusoka, G., Plotnik, J. M., & MacIntosh, A. J. J. (2023). Disgust in animals and the application of disease avoidance to wildlife management and conservation. Journal of Animal Ecology, 92, 1489–1508.

2022

10. ***Kano, F.,** Naik, H., Keskin, G., Couzin, I. D., & Nagy, M. (2022). Head-tracking of freely-behaving pigeons in a motion-capture system reveals the selective use of visual field regions. Scientific reports, 12(1), 19113.
11. *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. (co-first)
12. ***Kano, F.** (2022). Evolution of the uniformly white sclera in humans: critical updates. Trends in Cognitive Sciences, 27(1), 10-12. [IF: 19.9 (2022)]
13. *Sosnowski, M. J., **Kano, F.,** & Brosnan, S. F. (2022). Oxytocin and social gaze during a dominance categorization task in tufted capuchin monkeys. Frontiers in psychology, 13.
14. *Brooks, J., ***Kano, F.,** Kawaguchi, Y., & Yamamoto, S. (2022). Oxytocin promotes species-relevant outgroup attention in bonobos and chimpanzees. Hormones and Behavior, 143, 105182. (co-first, co-correspondence)
15. *Itahara, A., & ***Kano, F.** (2022). "Corvid Tracking Studio": A custom-built motion capture system to track head movements of corvids. Japanese Journal of Animal Psychology, 72(1), 1-16.
16. ***Kano, F.**, Kawaguchi, Y., & Hanling, Y. (2022). Experimental evidence that uniformly white sclera enhances the visibility of eye-gaze direction in humans and chimpanzees. eLife, 11, e74086. [IF: 7.7 (2022)]

2021

17. ***Kano, F.**, Furuichi, T., Hashimoto, C., Krupenye, C., Leinwand, J. G., Hopper, L. M., . . . Tajima, T. (2021). What is unique about the human eye? Comparative image analysis on the external eye morphology of human and nonhuman great apes. Evolution and Human Behavior, 43(3), 169-180.
18. ***Kano, F**., & Call, J. (2021). Evolutionary foundations of knowledge and belief attribution in nonhuman primates. Behavioral and Brain Sciences, 44, e158.
19. *Sato, Y., **Kano, F**., Morimura, N., Tomonaga, M., & Hirata, S. (2021). Chimpanzees (*Pan troglodytes*) exhibit gaze bias for snakes upon hearing alarm calls. Journal of Comparative Psychology, 136(1), 44-53.
20. *Yamanashi, Y., Hitoosa, K., Yoshida, N., **Kano, F.**, Ikkatai, Y., Sakamoto, H. (2021) Do chimpanzees enjoy a virtual forest? A pilot investigation of the use of interactive art as a form of environmental enrichment for zoo-housed chimpanzees. American Journal of Primatology, e23343.
21. *Lewis, L.S., **Kano, F.**, Stevens, J.M., DuBois, J., Call, J., Krupenye, C. (2021) Bonobos and chimpanzees preferentially attend to familiar members of the dominant sex. Animal Behavior, 177, 193-206.

22. ***Kano, F.,** T. Sasaki and D. Biro (2021). Collective attention in navigating homing pigeons: group size effect and individual differences. Animal Behaviour 180: 63-80.
23. *Brooks, J., ***Kano, F.**, Sato, Y., Yeow, H., Morimura, N., Nagasawa, M., Kikusui, T., Yamamoto, S. (2021). Divergent effects of oxytocin on eye contact in bonobos and chimpanzees. Psychoneuroendocrinology, 125, 105119. (co-first and co-correspondence)
24. ***Kano, F.**, Sato, Y., & Yamanashi, Y. (2021). How chimpanzees look at movies: The "Art and Science" project in Kyoto City Zoo. Japanese Journal of Animal Psychology, 71(1), 13-26.

2020

25. *Hopper, L. M., Gulli, R. A., Howard, L. H., **Kano, F.**, Krupenye, C., Ryan, A. M., & Paukner, A. (2020). The application of noninvasive, restraint-free eye-tracking methods for use with nonhuman primates. Behavior Research Methods, 53(3), 1003-1030.
26. *Hepach, R., Vaish, A., **Kano, F**., Albiach-Serrano, A., Benziad, L., Call, J., & Tomasello, M. (2020). Chimpanzees' (*Pan troglodytes*) internal arousal remains elevated if they cannot themselves help a conspecific. Journal of Comparative Psychology, 135(2), 196-207.
27. ***Kano, F.,** Call, J., & Krupenye, C. (2020). Primates Pass Dynamically Social Anticipatory-Looking False-Belief Tests. Trends in Cognitive Sciences, 24(10), 777-778. [IF: 19.9 (2022)]

2019

28. ***Kano F,** Krupenye C, Hirata S, Tomonaga M, & Call J (2019) Great apes use self-experience to anticipate an agent's action in a false-belief test. Proceedings of the National Academy of Sciences, 116(42):20904. [IF: 11.1 (2022)]
29. ManyPrimates, et al. (2019) Establishing an infrastructure for collaboration in primate cognition research. PLOS ONE 14(10):e0223675.
30. ***Kano, F.** (2019). What are flying birds looking at? New challenges in the use of cutting-edge sensor technologies to study bird gaze. Japanese Journal of Animal Psychology, 69(2), 39-53. (Best Paper Award 2019 in Japanese Journal of Animal Psychology)
31. *Kawaguchi, Y., **Kano F.,** Tomonaga, M. (2019). Chimpanzees, but not bonobos, attend more to infant than adult conspecifics. Animal Behaviour. 154, 171-181. (co-first)
32. *Sato, Y., Hirata, S., ***Kano, F.** (2019). Spontaneous attention and psycho-physiological responses to others' injury in chimpanzees. Animal Cognition. 22(5), 807-823.

2018

33. ***Kano, F.,** Walker, J., Sasaki, T., Biro, D. (2018) Head-mounted sensors reveal visual attention of free-flying homing pigeons. Journal of Experimental Biology, 221(17), jeb183475.
34. ***Kano, F.,** Moore, R., Krupenye, C., Hirata, S., Tomonaga, M., Call, J. (2018) Human ostensive signals do not enhance gaze following in chimpanzees, but do enhance object-oriented attention. Animal Cognition, 21(5), 715-728.
35. *Sato, Y., **Kano, F.,** Hirata, S. (2018) Cutting-edge infrared thermography as a new tool to explore animal emotions (in Japanese). The Japanese Journal of Animal Psychology, 68 (1), 1-15
36. ***Kano, F.,** *Shepherd, S.V., Hirata, S., Call, J. (2018) Primate social attention: Species differences and effects of individual experience in humans, great apes, and macaques. PLOS ONE 13(2), e0193283.

2017

37. ***Kano, F.**, *Krupenye, C., Hirata, S., Call, J., Tomasello, M. (2017) Submentalizing cannot explain great apes' belief-based action anticipation. Trends in Cognitive Science, 21, 9, 633–634. (co-first and co-correspondence). [IF: 20.2 (2022)]
38. *Krupenye, C., ***Kano, F.,** Hirata, S., Call, J., Tomasello, M., (2017) A test of the submentalizing hypothesis: apes' performance in a false belief task inanimate control. Communicative and Integrative Biology, 10(4), e1343771. (co-first and co-correspondence).
39. ***Kano, F.**, *Krupenye, C., Hirata, S., Call, J., Tomasello, M., (2017) Eye tracking uncovered great apes' ability to anticipate that other individuals will act according to false beliefs. Communicative & Integrative Biology 10(2), e1299836. (co-first and co-correspondence).

2016

40. *Krupenye, C., ***Kano, F.**, Hirata, S., Call, J., Tomasello, M. (2016). Great apes anticipate that other individuals will act according to false beliefs. Science, 354(6308): 110-114. (co-first and co-correspondence). [IF: 56.9 (2022)]
41. ***Kano, F.,** Hirata, S., Deschner, T., Behringer, V., Call, J. (2016). Nasal temperature drop in response to a playback of conspecific fights in chimpanzees: A thermo-imaging study. Physiology & Behavior, 155, 83-94.

2015

42. ***Kano F,** Hirata S (2015) Great apes make anticipatory looks based on long-term memory of single events, Current Biology 25(19): 2513-2517. [IF: 9.2 (2022)]
43. ***Kano F,** Hirata S, Call J (2015). Social attention in the two species of Pan: Bonobos make more eye contact than chimpanzees. PLOS ONE 10(6): e0129684.

2012-2014 (Postdoc)

44. ***Kano, F.,** & Call, J. (2014). Great apes make goal-directed action prediction by eye movements, Psychological Science, 25(9): 1691-1698. [IF: 8.2 (2022)]
45. ***Kano, F.,** & Call, J. (2014). Cross-species variation of gaze following and conspecific preference among great apes, human infants and adults. Animal Behaviour, 91: 137-150.
46. ***Kano, F.,** & Tomonaga, M. (2013). Head-mounted eye-tracking of a chimpanzee under naturalistic conditions. PLOS ONE, 8(3), e59785, 2013
47. ***Kano, F.,** (2013). Eyes are the window to the mind; Eye-tracking reveals how great apes see the world (in Japanese). Primate Research, 28(2), 95-108.

2008-2012 (Ph.D. and before)

48. ***Kano, F.,** Call, J., & Tomonaga, M. (2012). Face and eye scanning in gorillas, orangutans, and humans: unique eye-viewing patterns in humans among hominids. Journal of Comparative Psychology, 126(4), 388-398.
49. ***Kano, F.,** Hirata, S., Call, J., & Tomonaga, M. (2011). The visual strategy specific to humans among hominids: A study using gap-overlap paradigm. Vision Research. 51, 2348-2355.
50. ***Kano, F.,** & Tomonaga, M. (2011). Species difference in the timing of gaze movement between chimpanzees and humans. Animal Cognition.14(6), 879-892.
51. ***Kano, F.,** & Tomonaga, M. (2011). Perceptual mechanism underlying gaze guidance in chimpanzees and humans. Animal Cognition, 14(3), 377-386.
52. ***Kano, F.,** Tanaka, M., & Tomonaga, M. (2011). Attention to emotional scenes including whole-body expressions in chimpanzees (*Pan troglodytes*). Journal of Comparative Psychology, 124(3), 287-294.
53. ***Kano, F.,** & Tomonaga, M. (2010). Face scanning in chimpanzees and humans: continuity and discontinuity. Animal Behaviour, 79, 227-235.
54. *Hattori, Y., **Kano, F.,** & Tomonaga, M. (2010). Differential sensitivity to conspecific and allospecific cues in chimpanzees and humans: A comparative eye-tracking study. Biology Letters, 6(5), 610-613.
55. ***Kano, F.,** & Tomonaga, M. (2009). How chimpanzees look at pictures: a comparative eye-tracking study. Proceedings of the Royal Society B: Biological Sciences, 276(1664), 1949-1955. [IF: 4.9 (2022)]
56. ***Kano, F.,** Tanaka, M., & Tomonaga, M. (2008). Enhanced recognition of emotional stimuli in the chimpanzee (*Pan troglodytes*). Animal Cognition, 11(3), 517-524.

Peer-reviewed international conference proceedings

1. *Chan, A.H.H., Singhal, N., Kocahan, O., Meltzer, A., Lubrano, S., Warrington, M.H., Griesser, M., Kano, F., & Naik, H. (2026). CHIRP dataset: towards long-term, individual-level, behavioral monitoring of bird populations in the wild. In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition. Accepted. [IF: 23.4 (2022)]

2. *Chan, A. H. H., Brookes, O., Waldmann, U., Naik, H., Couzin, I. D., Mirmehdi, M., Houa, N. A., Normand, E., Boesch, C., Boesch, L., Arandjelovic, M., Kühl, H. S., Burghardt, T., & **Kano, F.** (2025). Towards application-specific evaluation of vision models: Case studies in ecology and biology. In CVPR 2025 Workshop on Computer Vision for Animals (CV4Animals). Accepted for poster presentation. [IF: 23.4 (2022)]
3. *Putra, P. U., & ***Kano, F**. (2024). Quantifying the Effect of Anticipatory Eye Movement on Successful Ball Hitting Using Fine-Scale Tracking and SHAP-Analysis. Proceedings of the 2024 Symposium on Eye Tracking Research and Applications, Glasgow
4. *Waldmann, U., *Chan, A., Naik, H., Nagy, M., Couzin, ID., Deussen, O., & **Kano, F.** (2023). 3D-MuPPET: 3D Multi-Pigeon Pose Estimation and Tracking. Paper presented at Workshop CV4Animals in IEEE/CVF Conference on Computer Vision and Pattern Recognition. [IF: 23.4 (2022)]
5. *Naik, H., *Chan, A. H. H., Yang, J., Delacoux, M., Couzin, I. D., ***Kano, F.,** & *Nagy, M. (2023). 3D-POP-An automated annotation approach to facilitate markerless 2D-3D tracking of freely moving birds with marker-based motion capture. In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (pp. 21274-21284). [IF: 23.4 (2022)]
6. *Waldmann, U., Naik, H., Máté, N., **Kano, F.,** Couzin, I. D., Deussen, O., & Goldlücke, B. (2022). I-MuPPET: Interactive Multi-Pigeon Pose Estimation and Tracking. Paper presented at the DAGM GCPR, Konstanz.

Book chapters

1. **Kano F.** What is animal emotion research? Insights from studies on primate facial expressions and emotion labeling (*in Japanese*). In: Ueno S, Sato W, Suzuki T, Murai T, editors. *If emotions are constructed, what does that mean for the world? Reflections from various fields on Barrett's theory of constructed emotion*. Kyoto: Kinpodo; 2025. p. 171–184.
2. **Kano, F.,** "Experiencing how pigeons see the world" (*in Japanese*). (2018). In Handbook of Wildlife Animals, Kyoto Tsushin, (eds. Wildlife Research Center, Kyoto University)
3. **Kano, F.,** Call J. (2017). Great ape social attention. In Evolution of Brain, Cognition, and Emotion in Vertebrates (eds. Shigeru W., M H., T S.), pp. 187-206. Tokyo, Springer.
4. **Kano, F.,** "Theory of mind" (*in Japanese*). (2013). In Encyclopaedia of Primatology, 2013, Maruzen, (eds. Japenese Primatological Conference)
5. **Kano, F.,** "Gaze", "Facial Expression" (*in Japanese*). (2013). In Encyclopaedia of Behavioral Biology. 2013, Tokyo Kagaku Dojin (eds. Ueda, K., et al)

Invited talks

1. Kano F. Technological advance in animal cognition research, or how to choose the best technology in your research. Workshop **"Bridging the technological gap – spreading technological innovations in the study of the human and non-human mind",** Leipzig, Germany, 5th August 2024. (Keynote)
2. Kano F. Automatic tracking of animal gaze as a new approach to the study of animal social cognition. Research Colloquium SoSe 2023, Department of Neural Basis of Learning, **University of Bochum,** 30th June 2023.
3. Kano F. Looking through the eye of an animal: Using cutting-edge non-invasive technologies to study animal cognition and behavior. CogCom/CogBio Seminar, **University of Vienna,** 21st November 2022.
4. Kano F. Looking through the eye of an animal: Using cutting-edge non-invasive technologies to study animal cognition and behavior. Anthropological Seminar Series, Department of Anthropology, **University of Zurich,** 7th November 2022.
5. Kano F. What is unique about the human eye and how communicative is it? Comparative perspective on the evolution of human white sclera. Workshop "The evolution of human conspicuous ocular morphology and its role in the evolution of language", **Joint Conference on Language Evolution**, Kanazawa, Japan, 5-8th, September 2022.
6. Kano F. Understanding social interaction of animals using cutting-edge technologies. Seminar at Department of Cultural and Cognitive Psychology, **Max-Planck Institute for Evolutionary Anthropology**, 8th August 2022.

7. Kano F. How to use low-techs to use high-techs in animal behaviour research. Workshop **"Bridging the technological gap – spreading technological innovations in the study of the human and non-human mind",** Göttingen, Germany, 31st July 2022. (Keynote)
8. Kano F. Contact-free sensors, such as an eye-tracker and a thermo-camera, are useful to examine cognition and emotion in great apes at zoos and sanctuaries. **International Primatological Society,** Contributed Symposium “What's new in primate cognition research: Expanding research settings, sample sizes, and research toolkits”, Nairobi, UN, Kenya. 20-25th, August, 2018.
9. Kano F. Eye tracking uncovered great apes' ability to anticipate that other individuals will act according to false beliefs. Workshop "What is unique and what is typical of human mind?", **Kyoto University,** Kyoto, Japan. 30th, March, 2018.
10. Kano, F. Eye tracking uncovered great apes’ ability to anticipate other individuals' actions. Seminar at School of Psychology and Neuroscience, **St. Andrews,** UK. 29th, September, 2017
11. Kano, F. Great apes make anticipatory looks based on their memories. Contributed Symposium at **International Conference of Psychological Science,** Vienna, 21st-25th, March, 2017.
12. Kano, F, Hirata S, Krupenye C, Call J. Captive great apes make anticipatory looks based on their memories, and the actor’s goals and beliefs in movie stories, Contributed Symposium at **International Primatological Society,** Chicago, 22th-26th, Aug, 2016.

(in Japanese)

13. Kano F. Using cutting-edge technologies to study animal cognition and behavior. **International Student Symposium on Animal Behavior and Cognition.** Kyoto University, December 5th, 2019. **(Keynote)**
14. Kano F. Great ape theory of mind. Symposium at **Société Japonaise de Linguistique Française,** November 11th, 2019.
15. Kano F. Great apes use self-experiences to anticipate an agent’s action who has a false belief. **Japanese Society of Developmental Psychology,** Waseda University, March 17th, 2019.
16. Kano F. Great ape eye-tracking. **The Japanese Psychological Association,** Krume City Plaza, Invited talk for the International Award, September 20th, 2017.
17. Kano F. Using state-of-the-art sensor technologies and low techs to establish a new research paradigm in great ape and bird research. Koudou (Behavior) 2017, **Tokyo University,** September 1st, 2017. **(Keynote)**
18. Kano F. Great apes read others’ mind: Using eye-tracking to reveal a false-belief understanding. **Human Behaviour and Evolution Society Japan**, Kanazawa Culture Hall, December 10th, 2016. **(Keynote)**
19. Kano F. Great apes make anticipatory looks based on goals, memories, and beliefs. **The Japanese Psychological Association.** Nagoya International Conference Center, September 22nd-24th, 2015.
20. Kano F. Social attention in great apes; eye contact, gaze following, and ostention. **The Japanese Psychological Association.** Nagoya International Conference Center, September 22nd, 2015.

Organizing symposiums

1. Kano, F. Do great apes have a theory-of-mind, and do they have an (implicit) false-belief understanding like human infants? International Conference of Psychology, Yokohama, Contributed Symposium, 24th-29th, July, 2016.

Professional memberships

International Primatological Society (since 2009, **Research Committee Member Since 2025**), Japanese Society of Animal Psychology (since 2009), Primate Society of Japan (since 2009)

PEER reviewers

Journal

Science Advance, Scientific Reports, PNAS NEXUS, Proceedings B, Biology Letter, Royal Society Open Science, PLOS Computational Biology, PLOS ONE, Journal of Human Evolution, Cognition, Animal Cognition, Journal of Comparative Psychology, Animal Behavior and Cognition, Behavioral Process, American Journal of Primatology, Primates, Zoological Letter, Developmental Science, Child

Development, Developmental Psychobiology, Physiology and Behavior, Behavioral Research Method, Current Opinion in Behavioral Science, Neuroscience and Biobehavioral reviews, The FEBS journal

Grant

JSPS KAKENHI Grant-in-Aid for Scientific Research (S), International Primatological Society Research Grant

Teaching experiences

2024 July	Lectures and hands-on course for PhD/Master summer school students at Konstanz Summer School, University of Konstanz.
2021-Present	Supervising 2 PhD students and 3 Postdocs, including a Marie-Curie Fellow, at CASCB. Advising a PhD student, at Kumamoto Sanctuary, Kyoto University. Mentoring an Erasmus intern.
2018-2021	Co-supervising a PhD student at Kumamoto Sanctuary and Primate Research Institute, Kyoto University. Advising a PhD student at Primate Research Institute, Kyoto University. Mentoring a Postdoctoral visiting researcher at Kumamoto Sanctuary, Kyoto University.
2015-2016	Advising a PhD student at Department of Developmental and Comparative Psychology, Max Planck Institute for Evolutionary Anthropology.
2015 August	Hands-on lab course “Comparative Cognition” for undergraduates at Kumamoto Sanctuary, Kyoto University.
2015 July	Mentoring two undergraduate interns from the University of Cambridge and the University of Hong Kong at Kumamoto Sanctuary, Kyoto University.
2011 September-March	Hands-on lab course “Cognitive Science” for graduates at Faculty of Education, Kyoto University.

Outreach

Contributing to KYOTO STEAM (a governmental project promoting collaboration between art, science, and technology) https://kyoto-steam.com/en/

- Performing eye-tracking with great apes using movie arts created for apes in collaboration with contemporary artists.

Participating educational media

- BS Fuji, about great ape eye-tracking, 11th February, 2018, https://www.web-wac.co.jp/program/galileo_x/gx18021
- NHK (the largest public broadcasting service in Japan), about great ape cognition, 8th September 2020, https://www.nhk.jp/p/shiko-jamsession/ts/D668VG2MGP/)
- ZDF (one of the largest public broadcasting service in Germany), about pigeon tracking, 24th September, 2023, https://www.zdf.de/dokumentation/planet-e/planet-e-streitfall-taube---verjagen-oder-ertragen-100.html
- Deutschlandfunk (German public broadcasting radio station), about pigeon mind, 9th June, 2025 https://www.deutschlandfunk.de/wie-ticken-tauben-annaeherung-an-einen-anderen-verstand-102.html

Public keynotes

- Kano F. How do chimpanzees see arts? An international seminar titled “How do chimpanzees feel in arts?”, **Kyoto City Zoo,** March 23rd, 2019. (Keynote)
- Kano F. Chimpanzee eyes are the window to their mind: Using state-of-the-art eye-tracker to reveal cognitive similarities between human and nonhuman animals. **Science Castle,** Minamata Public Hall, December 16th, 2018. (Keynote)

Media coverages

NY Times, Science, Nature, Scientific American, New Scientist, BBC, The Guardian, Washington Post, Los Angeles Times, Discover Magazine, Business Insider, Salon, Huffington Post, Discovery News, US News & World report, ABC, CBS, (in Japan: NHK, Asahi, Mainichi, Nikkei, Yomiuri, Chunichi, Kyoto, Sankei)