

## Haneul Jang, Ph.D.

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### Education

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- 2024 Oct – **Postgraduate certificate in Public Health** (*Distance learning*),  
London School of Hygiene and Tropical Medicine, London, UK
- 2020 **PhD**, Department of Primatology,  
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany  
Thesis title: Examining human spatial abilities in a tropical forest: a mixed-methods study among the Mbendjele BaYaka of the Republic of the Congo (*supervisors: Prof. Dr. Christophe Boesch, Prof. Dr. Karline R.L. Janmaat*)
- 2014 **MSc**, Laboratory of Behavior and Ecology,  
Ewha Womans University, Seoul, South Korea  
Thesis title: Visiting behaviors of Javan gibbons (*Hylobates moloch*) to preferred plant species with the use of phenological knowledge (*supervisor: Prof. Dr. Jae Choe*)
- 2012 **BSc** in Biology, Division of Molecular and Life Sciences,  
Ewha Womans University, Seoul, South Korea

### Professional Appointments

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- 2024 Feb – **Research fellow**, Institute for Advanced Study in Toulouse (IAST), Toulouse, France
- 2020 – 2024 Jan **Postdoctoral researcher**, Department of Human Behavior, Ecology, and Culture,  
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

### Publications

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- 2024 **Jang, H.\***, Kandza, V., Kiabiya Ntamboudila, F. & Boyette, A.H. (*under review in Hunter-Gatherer Research*) Women's autonomy and household decision making among BaYaka foragers in Congo.
- Boyette, A.H., Fogarty, L., Visine, A.E., & **Jang, H.** (*In press in Hunter-Gatherer Research*) Stepfamilies and cultural transmission dynamics in Congo Basin hunter-gatherers.
- Visine, A.E., Boyette, A.H., Ouamba, Y.R., Lew-Levy, S., Sarma, M., & **Jang, H.\*** (2024) BaYaka mothers balance childcare and subsistence tasks during collaborative foraging in Congo Basin. *Scientific Reports* **14**, 24893 (2024). <https://doi.org/10.1038/s41598-024-75467-1> (Visine, A.E.: supervised student)
- Venkataraman, V.V., Hoffman, J., Farquharson, K., Davis, H.E., Hagen, E.H., Hames, R.B., Hewlett, B.S., Glowacki, L., **Jang, H.**, Kelly, R., Kramer, K., Lew-Levy, S., Starkweather, K., Syme, K., & Stibbard-Hawkes, D.N. (2024) Female foragers sometimes hunt, yet gendered divisions of labor are real: a comment on Anderson et al.(2023) The Myth of Man the Hunter. *Evolution and Human Behavior*. <https://www.sciencedirect.com/science/article/abs/pii/S1090513824000497>

Kandza, V., **Jang, H.**, Lew-Levy, S., Kiabiya Ntamboudila, F. & Boyette, A.H. (2024) Dyadic inter-group cooperation in shotgun hunting activities in a Congo Basin village. *Evolutionary Human Science*, 6, e22. <https://doi.org/10.1017/ehs.2024.14>

**Jang, H.\***, Ross, C.T., Boyette, A.H., Janmaat, K.R.L., Kandza, V. & Redhead, D.\* (2024) Women's subsistence networks scaffold cultural transmission among BaYaka foragers. *Science Advances*, 10(2), eadj2543. <https://www.science.org/doi/10.1126/sciadv.adj2543>

2023

Chittar, C.R., **Jang, H.**, Samuni, L., Honing, H., Lewis, J., van Loon, E.E. & Janmaat, K.R.L. (2023) Music production and its role in coalition signaling during foraging contexts in a hunter-gatherer society. *Frontiers in Psychology*, 14, 1218394. <https://doi.org/10.3389/fpsyg.2023.1218394>

Kandza, V., **Jang, H.**, Kiabiya Ntamboudila, F., Lew-Levy, S., & Boyette, A.H. (2023) Inter-group cooperation in shotgun hunting among BaYaka foragers and Yambe farmers from the Republic of the Congo. *Human Nature*, 34:153–176. <https://doi.org/10.1007/s12110-023-09448-0>

Veen, J., **Jang, H.**, Raubenheimer, D., van Pinxteren, B.O.C.M., Kandza, V., Meirmans, P.G., van Dam, N.M., Dunker, S., Hoffmann, P., Worrlich, A. & Janmaat, K.R.L (2023) Development of embodied capital: Diet composition, foraging skills, and botanical knowledge of forager children in the Congo Basin. *Frontiers in Ecology and Evolution*. 11:935987. <https://www.frontiersin.org/articles/10.3389/fevo.2023.935987/full>

Lappan, S., Oktaviani, R., Choi, A., Ham, S., **Jang, H.**, Kim, S., Yi, Y., Mardiasuti, A. & Choe, J.C. (2023) Demography of a Stable Gibbon Population in High-Elevation Forest on Java. In S. M. Cheyne, & C. Thompson (Eds.), *Gibbon Conservation in the Anthropocene*. Cambridge: Cambridge University Press.

2022

**Jang, H.\***, Janmaat, K.R.L., Kandza, V. & Boyette, A.H. (2022) Girls in early childhood increase food returns of nursing women during subsistence activities of the BaYaka in the Republic of Congo. *Proceedings of the Royal Society B*, <https://royalsocietypublishing.org/doi/10.1098/rspb.2022.1407>

Yi, Y., Choi, A., Lee, S., Ham, S., **Jang, H.**, Oktaviani, R., Mardiasuti, A. & Choe, J.C. (2022) Transient co-singing of offspring and mothers in non-duetting Javan gibbons (*Hylobates moloch*). *Frontiers in Ecology and Evolution*, 10:910260. <https://www.frontiersin.org/articles/10.3389/fevo.2022.910260/full>

2021

Boyette, A.H., Lew-Levy, S., **Jang, H.** & Kandza, V. (2021) Social ties in the Congo Basin: Insights into tropical forest adaptation from BaYaka and their neighbors. *Philosophical Transactions of the Royal Society B*, 377: 20200490. <https://royalsocietypublishing.org/doi/full/10.1098/rstb.2020.0490>

**Jang, H.\*** & Boyette, A.H. (2021) Observations of cooperative pond fishing by BaYaka and Bantu people in the Flooded Forest of the Northern Republic of Congo. *African Study Monographs*, 41(2). [https://www.jstage.jst.go.jp/article/asm/41/2/41\\_41.2.1/article/-char/ja/](https://www.jstage.jst.go.jp/article/asm/41/2/41_41.2.1/article/-char/ja/)

**Jang, H.\***, Oktaviani, R., Kim, S., Mardiasuti, A. & Choe, J.C. (2021) Do Javan gibbons (*Hylobates moloch*) use fruiting synchrony as a foraging strategy? *American Journal of Primatology*, 83(10): e23319. <https://onlinelibrary.wiley.com/doi/full/10.1002/ajp.23319>

Janmaat, K.R.L., de Guinea, M., Collet, J., Byrne, R.W., Robira, B., van Loon, E., **Jang, H.**, Biro, D., Ramos-Fernández, G., Ross, C.T., Presotto, A., Allritz, M., Alavi, S. & Van Belle, S. (2021) Using natural travel paths to infer and compare primate cognition in the wild. *iScience*, 24: 102343. <https://www.sciencedirect.com/science/article/pii/S2589004221003114>

- 2020 Yi, Y., Fichtel, C., Ham, S., **Jang, H.** & Choe, J.C. (2020) Fighting for what it's worth: participation and outcome of inter-group encounters in a pair-living primate, the Javan gibbon (*Hylobates moloch*). *Behavioral Ecology and Sociobiology*, 74(8): 96. <https://link.springer.com/article/10.1007/s00265-020-02879-0>
- 2019 **Jang, H.\***, Boesch, C., Mundry, R., Ban, S.D. & Janmaat, K.R.L. (2019) Travel linearity and speed of human foragers and chimpanzees during their daily search for food in tropical rainforests. *Scientific Reports*, 9:11066 <https://www.nature.com/articles/s41598-019-47247-9>
- Jang, H.\***, Boesch, C., Mundry, R., Kandza, V. & Janmaat, K.R.L. (2019) Sun, age, and test location affect spatial orientation in human foragers in rainforests. *Proceedings of the Royal Society B*, Volume 286, Issue 1907 <https://royalsocietypublishing.org/doi/10.1098/rspb.2019.0934>
- In prep for submission* **Jang, H.\*** & Redhead, D. Knowledge transmission networks in long-term and short-term learning within a foraging society.
- Jang, H.\*** & Pitt, B.\* Systems of spatial language and memory among Bayaka.
- Jang, H.\***, Hoffman, M., Lew-Levy, S., Kandza, V., Kiabiya Ntamboudila, F. & Boyette, A.H. Mobility networks in two small-scale societies in the Republic of the Congo
- Visine, A.E.\* & **Jang, H.\*** Cooperative childcare during foraging trips among BaYaka mothers in Congo Basin. (Visine, A.E.: supervised student)
- Tanaka, A., **Jang, H.** & Takada, A. A comparison of childcare between the Southern African !Xun and the Central African Baka hunter-gatherers. (Tanaka, A.: co-supervised student)
- Kang, D., Choi, A., **Jang, H.**, Kim, S., Lee, S., Oktaviani, R., Ham, S., Ko, E., Mardiasuti, A., Choe, J.C., Yi, Y. The effect of reproductive costs on behavioral patterns in female Javan gibbons (*Hylobates moloch*).

## Field site

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- 2015 – The BaYaka Project, Likouala Province, Republic of the Congo
- 2013 – 2014 Javan Gibbon Research & Conservation Project, Gunung Halimun Salak National Park, Java, Indonesia (in collaboration with Ewha Womans University, South Korea)

## Fieldwork

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- 2024 – 1 month **Postdoctoral research data collection** with the BaYaka people, **Republic of the Congo**, Aug 2024
- 2023 – 3 months **Postdoctoral research data collection** with the BaYaka and Bandongo people, **Republic of the Congo**, Jun–Aug 2023 (funded by the Max Planck Institute for Evolutionary Anthropology)
- 2022 – 3 months **Postdoctoral research data collection** with the BaYaka people, **Republic of the Congo**, Aug–Oct 2022 (funded by the Max Planck Institute for Evolutionary Anthropology)
- 2020 – 1 month **Pilot study** for postdoctoral research with the BaYaka people, **Republic of the Congo**, Mar 2020 (funded by the Max Planck Institute for Evolutionary Anthropology)

- 2016 – 6 months **PhD data collection** on foraging behaviors of the BaYaka people, **Republic of the Congo**, Mar–Aug 2016 (funded by the Max Planck Institute for Evolutionary Anthropology & the Leakey foundation)
- 2015 – 6 months **PhD data collection** on foraging behaviors of the BaYaka people, **Republic of the Congo**, Mar–Aug 2015 (funded by the Max Planck Institute for Evolutionary Anthropology)
- 2013 – 12 months **MSc data collection** on foraging behaviors of Javan gibbons, **Indonesia**, Jan–Dec 2013 (funded by Ewha Womens University, Korea)
- 2012 – 2 months **Pilot study** for MSc research on Javan gibbons (*Hylobates moloch*), **Indonesia**, Sep–Oct 2012 (funded by Ewha Womens University, Korea)

## Grants and Awards

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- 2024 **Fyssen Foundation Research Grant** (*under review*) for a research project entitled “*Mapping social support networks of mothers in two small-scale societies in the Congo Basin*” € 98,770
- Leakey Foundation Research Grant** (*under review*) for a field project entitled “*Mapping social support networks of mothers in two small-scale societies in the Congo Basin*” \$ 28,770
- IAST Multidisciplinary Grant** for a field project entitled “*Behavioral adaptations in the face of ubiquitous disease risk: Case study with a BaYaka community in the Congo Basin*” (PI with Sarabian, C., Duda, R, Laudisoit, A.) € 29,359
- Wenner-Gren Foundation Post-PhD research grant** for a project entitled “*Mapping social support networks of mothers in two small-scale societies in the Congo Basin*” \$ 24,770
- EHBEA ECR research grant** for a project entitled “*Mapping social support networks of mothers in two small-scale societies in the Congo Basin*” € 1,000
- 2023 **IAST Multidisciplinary Grant** for a cross-cultural project entitled “*Cooperative Breeding and Children as Helpers: An Interdisciplinary, Cross-Cultural Approach*” (PI with Avila, P., Bader, L., Pretelli, I., Myers, S.) € 28,590
- 2019 Student award for a bursary fund to attend *the 8th European Federation of Primatology meeting & Primate Society of Great Britain*, Oxford, UK. € 250
- 2018 **John Templeton Foundation** for attending Diverse Intelligence Summer Institute, Scotland, UK. \$1,000
- 2015 – 2016 MPI-EVA Fieldwork Fund € 30,000
- 2015 **Leakey Foundation Research Grant** for a project entitled “*Foraging cognition of the BaYaka hunter-gatherers, Republic of Congo*” (PI with Dr. K.R.L. Janmaat) \$ 20,000
- 2012 The grand prize from LG corporation global challenger, Seoul, South Korea
- 2007 – 2011 Honors Student. Ewha Womens University, Seoul, South Korea

## Presentations

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- 2024 **Jang, H.** Learning opportunities captured by social networks among BaYaka foragers in Congo Basin. *Oral presentation at the Cultural Evolution Society, Durham, UK.*
- Jang, H.** Learning opportunities captured by social networks among BaYaka foragers in Congo Basin. *Oral presentation at the Annual Conference for the European Human Behaviour and Evolution Association, Montpellier, France.*
- 2023 **Jang, H.** Exploring the role of children as allomaternal caregivers among the BaYaka hunter-gatherers in Congo. *Oral presentation at the Annual Conference for the European Human Behaviour and Evolution Association, University College London, UK.*
- Jang, H.** The role of BaYaka children as caregivers during foraging activities of nursing women in the Republic of the Congo. *Invited guest lecture, University of Amsterdam, Amsterdam, the Netherlands*
- Jang, H.** BaYaka girls support nursing women with infants during their foraging trips. *Invited guest lecture, Durham University, UK*
- 2022 **Jang, H., Janmaat, K.R.L., & Boyette, A.H.** The role of BaYaka children as caregivers during foraging activities of nursing women in the Republic of the Congo. *Oral presentation at the 13th Conference on Hunting and Gathering Societies, Dublin, Ireland*
- Jang, H., Boyette, A.H., Ross, C.T., Janmaat, K.R.L. & Redhead, D.** Cooperative subsistence networks of BaYaka women in the Republic of Congo. *Oral presentation at the Annual Conference for the European Human Behaviour and Evolution Association, Leipzig, Germany*
- 2019 **Jang, H., Boesch, C., Mundry, R., Ban, S.D., Janmaat, K.R.L.** Comparison on large-scale spatial performances of human foragers and chimpanzees in tropical rainforests. *Oral presentation at 8th European Federation of Primatology meeting & Primate Society of Great Britain winter meeting, Oxford, UK*
- Jang, H., Boesch, C., Mundry, R., Ban, S.D., Janmaat, K.R.L.** Travel linearity and speed of human foragers and chimpanzees during their daily search for food in tropical rainforests. *Poster presentation at the 3rd Annual Workshop for Early-career Social Learning Researchers, Leipzig, Germany*
- Jang, H., Boesch, C., Mundry, R., Ban, S.D., Janmaat, K.R.L.** How does spatial movement pattern of human foragers and chimpanzees compare when they travel to food locations in the forest? *Poster presentation at the 16th Conference of the Gesellschaft für Primatologie, Göttingen, Germany*
- 2018 **Jang, H., Boesch, C., Mundry, R., Ban, S.D., Janmaat, K.R.L.** How do the spatial performances of chimpanzees and human foragers compare when they travel to less familiar areas? *Oral presentation at 27th Congress of the International Primatological Society, Nairobi, Kenya*
- 2015 **Jang, H.** Do Javan gibbons (*Hylobates moloch*) use fruiting synchrony? *14th conference of the Gesellschaft für Primatologie, Leipzig, Germany*
- 2014 **Jang, H.** Javan gibbons (*Hylobates moloch*) regulate the timing of visits to preferred plant species in response to predictability of fruiting patterns. *25th Congress of the International Primatological Society, Hanoi, Vietnam*

**Jang, H.** Visiting behavior of Javan gibbons (*Hylobates moloch*) to preferred plant species with the use of phenological knowledge, *Invited presentation*, Primate Research Institute (PRI), Kyoto University, Japan

2013 **Jang, H.** Visiting behavior of Javan gibbons (*Hylobates moloch*) in response to temporal characteristics of preferred plant species, *Invited presentation*, Institut Pertanian Bogor (IPB), Bogor, Indonesia

## Academic Service

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Data editor (2024–) *Proceedings of the Royal Society B*

Membership officer (2024–) *Women in the Evolutionary Behavioral Sciences*

Peer Review *PLoS ONE, Evolutionary Human Science, Frontiers in Ecology and Evolution, Human ecology*

## Teaching Experience

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2023 Jun – Aug Training and supervising a Master student (Amandine Visine) for data collection during 3 months fieldwork in Congo for a project entitled “*The complementarity between men and women’s economic participation and their contributions to community-wide sharing networks among BaYaka foragers*”

2023 Jun – Aug Supervising a Bachelor student (Nerice Ngoma) on Bachelor thesis on “*Analyse floristique et structural des arbres environnant de Entandrophragma cylindricum (Sprague) (Sapelli) dans la zone Moubelou, Departmenrt de la Likouala*”, Marien Ngouabi Univerisity, Brazzaville, Congo

2023 Jan – Jun Supervising a Master student (Amandine Visine) on Master thesis on “*The trade-off between childcare and foraging work among BaYaka mothers in the Republic of Congo*”, Université de Montpellier, Montpellier, France

2022 Aug – Mentoring Bachelor and Master students (Francy Kiabiya Ntamboudila, Nerice Ngoma) in Brazzaville, Marien Ngouabi University, Congo

2022 – 2024 Co-supervising a PhD student (Ayana Tanaka) on dissertation project on the Baka’s caregiving in Cameroon, Kyoto Univ., Japan

2020 – 2024 Co-supervising a PhD student (Vidrige Kandza) on dissertation project on the BaYaka hunting practices, MPI-EVA, Germany

2014 – 2015 Mentoring graduate students on projects on Javan gibbons, Ewha Womans University, South Korea

2013 – 2014 Mentoring undergraduate and graduate students on field methods, IPB University, Indonesia

## Academic experience (Organizing events/Research assistance)

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2023 Aug Facilitator, Wenner-Gren Proposal Writing Workshop, Marien Ngouabi Univerisity, Brazzaville, Congo

2022 Jun Co-organizing the symposium “*A route along different approaches to study children learning and foraging in hunter-gatherer societies*” 13th Conference on Hunting and Gathering Societies, Dublin, Ireland

2019 Sep	Co-organizing the workshop/symposium “Battery Tests of Primate Cognition: A Counter Reply from Field Primatology” 8th European Federation of Primatology meeting, Oxford, UK
2018-2019 – 18 months	Organizing the Weekly Seminar of the Department of Primatology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
2018 – 2 weeks	Diverse Intelligence Summer Institute, St. Andrews, UK
2018 – 2 weeks	Teaching assistant for a winter school “Field Methods in Evolutionary Anthropology”, University of Amsterdam, The Netherlands
2014 – 2 months	Teaching assistant for a field course “Field Methods in Tropical Ecology”, Sulawesi, Indonesia
2014 Spring	Teaching assistant in “Environment and humans” for undergraduates, Ewha Womans University, Seoul, South Korea
2014 – 2 months	Research assistant for an experimental study on “The orangutans ( <i>Pongo spp.</i> ) do not spontaneously share benefits with familiar conspecifics in a choice paradigm”, Seoul Zoo, South Korea
2012 – 2 weeks	Conducting survey research on wildlife conservation programs, Charles Darwin Research Station, Galapagos Islands, Ecuador
2012 – 1 week	Organizing a summer school “Field Trip for Biologists” for undergraduates, Department of EcoScience, Ewha Womans University, Seoul, South Korea
2011 – 5 months	Research assistant for an experimental study on “Color preference in a tool-use task: How do captive orangutans shape their choice?”, Seoul Zoo, South Korea
2010	Undergraduate Research Fellowship program in the laboratory of Biochemistry, Ewha Womans University, South Korea

## Languages

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Native speaker of Korean

Competent written and spoken English

Conversational German (B1)

Conversational French (A2)

Conversational BaYaka

Conversational Lingala

Conversational Bahasa Indonesia