

CURRICULUM VITAE

PERSONAL INFORMATION

Family name, First name: Hobaiter, Catherine
Researcher unique identifier(s): orcid.org/0000-0002-3893-0524
URL for web site: www.wildminds.ac.uk

EDUCATION

2011 Ph.D. Psychology; University of St Andrews, UK
2005 B.Sc. Biological Sciences; University of Edinburgh, UK

POSITIONS

2024 – Director: Centre for Social Learning and Cumulative Evolution, University of St Andrews
2021 – Co-director: Moyen-Bafing Chimpanzee Project, Guinea.
2021 – Reader in Origins of Mind; University of St Andrews
2015 – Co-director: Bugoma Primate Conservation Project, Uganda.
2012 – 2021 Lecturer in Origins of Mind; University of St Andrews
2011 – Waibira Chimpanzee Project Co-ordinator, BCFS, Uganda.
2011 – 2012 Post-doctoral researcher; Psychology & Neuroscience, University of St Andrews

TEACHING ACTIVITIES: University of St Andrews, Scotland

2019 – Guest lecturer – MSc Animal Behaviour, School of Biology
2018 – 2019 Lecturer – MLitt in Contemporary Studies
2016 – 2021 Guest lecturer – School of Philosophy
2014 – Lecturer and Course controller – ‘Principle Approaches to the Origins of Mind’ (M.Sc.); School of Psychology and Neuroscience
2012 – Lecturer and Course controller – ‘Evolutionary & Comparative Psychology’ (JH)

COMMISSIONS OF TRUST

2023 – UN Convention for Migratory Species – Expert group on Animal Culture
2022 – Invited member of the IUCN SSC – Section on Great Apes
2021 – Co-organiser STRANGE framework
2021 – Associate Editor, Journal of Interaction Studies
2019 – Associate Editor, PLoS Biology
2019 – Associate Editor, Primates
2018 – METI Board Advisor
2017 – Editorial Board, International Journal of Primatology
2016 – Elected Vice-President (Communications) International Primatological Society
2016 – 2019 Co-Editor Special Issue, Animal Cognition. Gestural Acquisition in Great Apes.

AWARDS

2019 Arts and Humanities Research Council Role Model in Environment

PUBLICATION RECORD: Citations, n=4080. H-index: 29

Invited Chapters and Contributions.

Hobaiter, C., Grund, C., Graham, K.E., Cartmill, E., Genty, E. (in press) Re-imagining great ape gesture coding. *The Oxford Handbook of Approaches to Language Evolution*.
Graham, K.E. & Hobaiter, C. (in press) Pragmatics in Ape Gesture. *Evolutionary Pragmatics*.
Hobaiter, C. & Dominy, N.J. (2024) Eve of extinction. *Nature Ecology and Evolution*.
Hobaiter, C., Lameira, A.R., & Ball, D. (2023) Recognising intentional signals and their meaning in non-human communication. In: *Xenolanguage*.
Eleuteri, V., Henderson, M., Soldati, A., Badihi, G., Zuberbuhler, K., Hobaiter, C. (2022) The Beat, Beat, Beat of Chimpanzee Drummers, individuals differ in their style. *Natural History*.
Hobaiter, C. (2021) A very long look back at language development. In: *Human Communication: Origins, Mechanisms, and Functions*.

- Hobaiter, C., Akankwasa, J.W., Muhumuza, G., Uwimbabazi, M., Koné, I. (2021) The importance of local specialists in science: Where are the local researchers in primatology? *Current Biology*.
- Hobaiter, C. (2020) Gestural communication in the great apes: tracing the origins of language. In: *Chimpanzees in Context*.
- Hobaiter, C. (2020) The importance of being in situ. Review: *Inside Science* by Kohler, R.E. *Current Biology*.
- Hobaiter, C. (2019) Chimpanzee gestural communication: signalling and meaning from the chimpanzee perspective. In: *Chimpanzee Behavior*.
- Hobaiter, C. (2018) Getting to know the neighbours. Review: *Bonobos: Unique in Mind, Brain, and Behaviour* by Hare, B. & Yamamoto, S. *Current Biology*.
- Graham, K. E. & Hobaiter, C. (2018). Gestural communication in the great apes. *Encyclopaedia*
- Hobaiter, C. & Byrne, R.W. (2012) Gesture use in Consortship' In: *Developments in primate gesture research*. Eds Pika, S. & Liebal, K. pp.127-144
- Graham, K.E.G. & Hobaiter, C. (2018) Meet the neighbours: comparing chimpanzee and bonobo behaviour. In: *The Psychologists' Tree of Life*.

Peer-reviewed journal publications

- Eleuteri, V., Hobaiter, C., Bates, L., Rendle-Worthington, J., Stoeger, A. (2024) Multimodal communication and audience directedness in the greeting behaviour of semi-captive African savannah elephants. *Communications Biology*.
- Mielke, A., Badihi, G., Graham, K.E., Grund, C., Hashimoto, C., Piel, A.K., Safryghin, A., Slocombe, K.E., Stewart, F., Wilke, C., Zuberbühler, K., Hobaiter, C. (2024) Many morphs: parsing gesture signals from the noise. *Behavior Research Methods*.
- Westa, E., Fitzpatrick, S., Brosnan, S.F., Gruber, T., Hobaiter, C., Hopper, L.M., Kelly, D., Krupenye, C., Luncz, L.V., Theriault, J., Andrews, K. (2024) In search of animal normativity: a framework for studying social norms in non-human animals. *Biological Reviews*.
- Henderson, M., Patrick, G.G., Graham, K.E., Hobaiter, C., Patel-Grosz, P. (2024) Shared semantics: exploring the interface between human and chimpanzee gestural communication. *Mind and Language*.
- Koops, K., Akankwasa, W., Camara, H.D., Fitzgerald, M., Keir, A. Mamy, G., Matsuzawa, T., Péter, H., Vicent, K., Zuberbühler, K., Hobaiter, C. (2024) Flexible grouping patterns in a western and eastern chimpanzee community. *American Journal of Primatology*.
- Freyman, E., d'Oliveira Coelho, J., Muhumuza, G., Hobaiter, C., Huffman, M.A., Zuberbühler, K., Carvalho, S. (2024) Applying Collocation and APRIORI Analyses to Chimpanzee Diets: methods for investigating non-random food combinations in primate self-medication. *American Journal of Primatology*.
- Dominy, N., Hobaiter, C., Harris, J. (2023) Reindeer and the quest for Scottish enlivenment. *i-Perception*
- Hobaiter, C., Klein, H., Gruber, T. (2023) Habitual ground nesting in the Bugoma Forest chimpanzees. *American Journal of Primatology*.
- Bezanson, M., Cortés-Ortiz, L., Bicca-Marques, J.C., Boonratana, R., Carvalho, S., Cords, M., de la Torre, S., Hobaiter, C., Humle, T., Izar, P., Koné, I., Lynch, J.W., Matsuzawa, T., Setchell, J., Zikusoka, G.K., Strier, K.B. (in press) Words matter in primatology. *International Journal of Primatology*.
- Gibson, V., Boysen, S.T., Hobaiter, C., Davila-Ross, M. (2023) How social factors affect object use in communication of two semi-wild chimpanzee colonies. *Animal Cognition*.
- Wiltshire, C., Lewis-Cheetham, J., Komedová, V., Matsuzawa, T., Graham, K.E., Hobaiter, C. (2023) DeepWild: application of the pose estimation tool DeepLabCut for behaviour tracking in wild chimpanzees and bonobos. *Journal of Animal Ecology*.
- Tkaczynski, P., Mafessoni, F., Girard-Buttoz, C., Samuni, L., Ackermann, C.Y., Fedurek, P., Gomes, C., Hobaiter, C., Löhruch, T., Manon, V., Preis, A., Valé, P.D., Wessling, E.G., Wittiger, L., Zommers, Z., Zuberbühler, K., Vigilant, L., Deschner, T., Wittig, R.M., Crockford, C. (2023) Shared communal effects and the non-genetic maternal environment shape cortisol regulation in wild chimpanzees. *Communications Biology*.
- Grund, C., Badihi, G., Graham, K.E., Safryghin, A., Hobaiter, C. (2023) GesturalOrigins: A bottom-up framework for establishing systematic gesture data across ape species. *Behavioural Research Methods*.
- Badihi, G., Graham, K.E., Fallon, B., Safryghin, A., Soldati, A., Zuberbühler, K., Hobaiter, C. (2023). Dialects in leaf-clipping and other leaf-modifying gestures between neighbouring communities of East African chimpanzees. *Scientific Reports*.
- Freyman, E., Huffman, M.A., Muhumuza, G., Gideon, M.M., Zuberbühler, K., Hobaiter, C. (2023) Friends in high places: inter specific grooming between chimpanzees and primate prey species in Budongo Forest, Uganda. *Primates*.
- Graham, K.E. & Hobaiter, C. (2023) Towards a great ape dictionary: inexperienced language-using humans understand common non-human ape gestures. *PLoS Biology*.
- Gräßle, T., Crockford, C., Eichner, C., Girard-Buttoz, C., Jäger, C., ... Zuberbühler, K. (2023) Sourcing high tissue quality brains from deceased wild primates with known socio-ecology. *Methods in Ecology and Evolution*.

- Romani, T., Mundry, R., Shaban, G.M., Konarzewski, M., Namaganda, M., Hobaiter, C., Gruber, T., Hicks, T. C. (2023). Decay rates of arboreal and terrestrial nests of Eastern chimpanzees (*Pan troglodytes schweinfurthii*) in the Bugoma Central Forest Reserve, Uganda: Implications for population size estimates. *American Journal of Primatology*, 85(9), e23536.
- Koops, K., Arandjelovic, M., Hobaiter, C., Kalan, A., Luncz, L., Musgrave, S., Samuni, L., Sanz, C., Carvalho, S. (2022). Chimpanzee culture in context: comment on 'Blind alleys and fruitful pathways in the comparative study of cultural cognition'. *Physics of Life Reviews*.
- Patel-grosz, P. Henderon, M., Grosz, P.G., Graham, K., Hobaiter, C. (2022) Primate origins of discourse-managing gestures: the case of *hand fling*. *Linguistics Vanguard*.
- Sarfyghin, A., Cross, C., Fallon, B., Heesen, R., Ferrer-i-Cancho, R., Hobaiter, C. (2022) Variable expression of linguistic laws in ape gesture: a case study from chimpanzee sexual solicitation. *Royal Society Open Science*.
- Perea-García, J.O., Ramarajan, K., Kret, M.E., Hobaiter, C., Monteiro, A. (2022) Ecological factors are likely drivers of eye shape and colour pattern variations across anthropoid primates. *Scientific Reports*, 12(1), 1-9.
- Badihi, G., Bodden, K., Zuberbühler, K., Samuni, L., Hobaiter, C. (2022) Flexibility in the social structure of male chimpanzees (*Pan troglodytes schweinfurthii*) in the Budongo Forest, Uganda. *Royal Society Open Science*, 9.
- Péter, H., Laporte, M., Newton-Fisher, N.E., ... Hobaiter, C. (2022) Recognition of visual kinship signals in chimpanzees (*Pan troglodytes*) by Humans (*Homo sapiens*). *Journal of Comparative Psychology*.
- Soldati, A., Fedurek, P., Crockford, C., ... Hobaiter, C. (2022) Dead infant carrying by chimpanzee mothers in the Budongo Forest. *Primates*.
- Péter, H., Zuberbühler, K., Hobaiter, C. (2022) Well-digging in a community of forest-living wild East African chimpanzees (*Pan troglodytes schweinfurthii*). *Primates*.
- Hobaiter, C., Graham K.E., Byrne, R.W. (2022) Are ape gestures like words? Outstanding issues in detecting similarities and differences between human language and ape gesture. *Philosophical Transactions of the Royal Society: Biological Sciences*
- Barrault, C., Soldati, A., Hobaiter, C., et al. (2022) Thermal imaging reveals social monitoring during social feeding in wild chimpanzees. *Philosophical Transactions of the Royal Society: Biological Sciences*, 377
- Eleuteri, V., Henderson, M., Soldati, A., Badihi, G., Zuberbühler, K., Hobaiter, C. (2022) The form and function of chimpanzee buttress drumming. *Animal Behaviour*.
- Wilke, C., Lahiff, N.J., Badihi, G., Donnellan, E., Hobaiter, C., Machanda, Z.P., Mundry, R., Pika, S., Soldati, A., Wrangham, R.W., Zuberbühler, K., Slocombe, K. E. (2022) Referential gestures are not ubiquitous in wild chimpanzees (*Pan troglodytes schweinfurthii*): alternative functions for exaggerated loud scratch gestures. *Animal Behaviour*. 189, 23-45.
- Graham, K.E., Badihi, G., Sarfyghin, A., Grund, C., Hobaiter, C. (2022) A socio-ecological perspective on the gestural communication of great ape species, individuals, and social units. *Ethology, Ecology & Evolution*.
- Carvalho, S., et al. (2021) Using non-human culture in conservation requires careful and concerted action. *Conservation Letters*.
- Leroux, M., Monday, G., Chandia, B., Akankwasa, J.W., Zuberbühler, K, Hobaiter, C., Crockford, C., Townsend, S., Asiimwe, C., Fedurek, R. (2021). First observation of a chimpanzee with albinism in the wild: social interactions and subsequent infanticide. *American Journal of Primatology*.
- Rodrigues, E.D., Santos, A.J., Hayashi, M., Matsuzawa, T., Hobaiter, C. (2021) Exploring greetings and leave-takings: communication during arrivals and departures by chimpanzees of the Bossou community in Guinea. *Primates*.
- Dafreville, M. Hobaiter, C., Guidetti, M., Sillam-Dusses, D., Bourjade, M. (2021) Sensitivity to the communicative partner's attentional state: A developmental study on mother-infant dyads in wild chimpanzees (*Pan troglodytes schweinfurthii*). *American Journal of Primatology*.
- Rodrigues, E.D., Santos, A.J., Veppo, F., Pereira, J., Hobaiter, C. (2021) Connecting primate gesture to the evolutionary roots of language: a systematic review. *Animal Cognition*.
- Colchero, F., Aburto, J.M., Archie, E.A., Boesch, C., Breuer, T., Campos, F.A., Collins, A., Conde, D.A., Cords, M., Crockford, C., Emery Thompson, M., Fedigan, L.M., Fitchel, C., Groenenberg, M., Hobaiter, C., ... Alberts, S.C. (2021) The evolutionary landscape of primate longevity. *Nature Communications*.
- Bates, A.E., Primack, R.B., PAN-Environment Consortium of 337 authors, Duarte, C.M. (2021) Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. *Biological Conservation*.
- Fedurek, P. Tkaczynski, P.J., Hobaiter, C., Zuberbühler, K., Wittig, R.M., Crockford, C. (2020) The function of chimpanzee greeting calls is modulated by their acoustic variation. *Animal Behaviour*.
- Akankwasa, J.W., Zuberbühler, K., Hobaiter, C. (2020) Blue monkey (*Cercopithecus mitis stuhlmanni*) feeding on infant Guereza colobus monkey (*Colobus guereza occidentalis*) in Budongo Forest Reserve, Uganda. *African Primates*.

- Tkacynski, P., Behringer, V., Ackermann, C., Fedurek, P., Fruth, B., Girad-Buttoz, C., Hobaiter, C., ... Crockford, C. (2020) Urinary cortisol patterns during ontogeny appear population- rather than species-specific in wild chimpanzees and bonobos. *Journal of Human Evolution*.
- Pereira A.S., Kavanagh, E., Hobaiter, C., Slocombe, K.E., Lameira, A.R. (2020) Chimpanzee lip-smacks confirm primate continuity for speech-rhythm evolution. *Biology Letters*.
- Caravaggi, A., Burton, A.C., Clark, D.A., Fisher, J.T., Grass, A., Green, S., Hobaiter, C., Hofmeester, T.R., Kalan, A.K., Rabaiotti, D., Rivet, D. (2020) A review of potential impacts on animal behaviour to consider when using camera traps to inform wildlife ecology and conservation. *Conservation Science and Practice*.
- Fedurek, P., Tkaczynski, P., Asiimwe, C., Hobaiter, C., Samuni, L., Lowe, A., Zuberbühler, K., Wittig, R.M., Crockford, C. (2019) Maternal cannibalism in two populations of wild chimpanzees. *Primates*
- Olvido Perea-Garcia, J., Kret, M.E., Monteiro, A., Hobaiter, C. (2019) Scleral pigmentation leads to conspicuous, not cryptic, eye morphology in chimpanzees. *PNAS*
- Knox, A., Markx, J., How, E., Azis, A., Hobaiter, C., et al. (2019) Gesture use in the communication of wild orang-utans (*Pongo pygmaeus wurmbii*) from the Sabangau peat-swamp forest, Borneo. *International Journal Primatology*.
- Cartmill, E.A., Hobaiter, C. (2019) Developmental perspectives on primate gesture: 100 years in the making. *Animal Cognition*.
- Cartmill, E.A., Hobaiter, C. (2019) Gesturing towards the future: cognition, big data, and the future of comparative gesture research. *Animal Cognition*.
- Lowe, A.E., Hobaiter, C., Asiimwe, C., Zuberbühler, K., Newton-Fisher, N.E. (2019) Intra-community infanticide in wild, eastern chimpanzees: A 24-year review. *Primates*.
- Reynolds, V., Pascual-Garrido, A., Lloyd, A.W., Lyons, P., Hobaiter, C. (2019) Mineral contributions to the diet and health of wild chimpanzees in three East African forests. *American Journal of Primatology*.
- Case, T.I., Stevenson, R.J., Byrne, R.W., Hobaiter, C. (2019). The Animal Origins of Disgust: Reports of Basic Disgust in Nonhuman Great Apes. *Evolutionary Behavioral Sciences*
- Heesen, R., Hobaiter, C., Ferrer-i-Cancho, R., Semple, S. (2019) Linguistic laws in chimpanzee gestural communication. *Proceedings of the Royal Society: Biological Sciences*
- Fröhlich, M., & Hobaiter, C. (2018) The development of gestural communication in great apes. *Behavioural Ecology and Sociobiology*
- Lowe, A., Hobaiter, C., Newton-Fisher, N.E. (2018) Countering infanticide: chimpanzee mothers are sensitive to the relative risks posed by males on differing rank trajectories. *Journal of Human Evolution*
- Kersken, V., Gomez, J.C., Liskowski, U., Soldati, A. & Hobaiter, C. (2018) A gestural repertoire of 1-2 years old human children in Germany and Uganda: in search of the ape gestures. *Animal Cognition*
- Graham, K.E., Hobaiter, C., Ounsley, J., Furuichi, T. & Byrne, R.W. (2018) Bonobo and chimpanzees gestures overlap extensively in meaning. *PLoS Biology*
- Byrne R.W., Cartmill, E., Genty, E., Graham, K.E., Hobaiter, C. & Tanner J. (2017) Great ape gestures. Intentional communication with a rich set of innate signals. *Animal Cognition*
- Hobaiter, C., et al. (2017) Variation in hunting behaviour in chimpanzee communities in the Budongo forest. *PLoS One*
- Hobaiter, C., Byrne, R.W. & Zuberbuhler, K. (2017) Wild chimpanzees use of single and combined vocal and gestural signals. *Behavioural Ecology and Sociobiology*
- Hobaiter, C. & Byrne, R.W. (2017) What is a gesture? A systematic approach to defining gestural repertoires. *Neuroscience and Biobehavioural Reviews*
- Hobaiter, C., Leavens, D. L. & Byrne, R.W. (2016) Les chimpanzés sauvages (Pan troglodytes) produisent-ils des gestes déictiques? *Enfance*. 405-417.
- Mugisha, S., Zuberbuhler, K. & Hobaiter, C. (2016) First observation of Dorylus ant feeding in Budongo chimpanzees supports absence of stick-tool culture. *Primates*. 1-6
- Reynolds, V., Lloyd, A.W., English, C.J., Lyons, P., Dodd, H., Hobaiter, C. et al., (2015) Mineral acquisition from clay by Budongo Forest chimpanzees. *PLoS One*, 10(7)
- Gruber, T., Poisot, T., Zuberbuhler, K., Hoppitt, W. & Hobaiter, C. (2015) The spread of a novel behaviour in wild chimpanzees: New insights into the ape cultural mind. *Communicative & Integrative Biology*, 8(2)
- Hobaiter, C., Poisot, T., Zuberbuhler, K., Hoppitt, W. & Gruber, T. (2014) Social network analysis shows direct evidence for social transmission of tool use in wild chimpanzees. *PLoS Biology*, e1001960
- Wilson, M., Boesch, C., Ruth, B., Furuichi, T., Gilby, I.C., Hashimoto, C., Hobaiter, C., et al. (2014) Lethal aggression in Pan is better explained by adaptive strategies than human impacts. *Nature*, 513
- Langergraber, K.E., Rowney, C., Schubert, G., Crockford, C., Hobaiter, C., et al., (2014) How old are chimpanzee communities? Time to the most recent common ancestor of the Y-chromosome in highly patrilocal societies. *Journal of Human Evolution* 69
- Hobaiter, C. & Byrne, R.W. (2014) The meanings of chimpanzee gestures. *Current Biology* 24
- Hobaiter, C., Schel, A-M., Langergraber, K. & Zuberbuhler, K. (2014) 'Adoption' by maternal siblings in wild chimpanzees. *PLoS One*, 9:e103777

- Brand, C., Eguma, R., Zuberbühler, K. & Hobaiter, C. (2014) First report of prey capture from human laid snare-traps by wild chimpanzees. *Primates*, 1-4
- Samuni, L., Mundry, R., Terkel, J., Zuberbühler, K. & Hobaiter C. (2014) Socially learned habituation to human observers in wild chimpanzees. *Animal Cognition* 17
- Hobaiter, C. & Byrne, R.W. (2014) Le flexibilité et l'intentionnalité dans la communication gestuelle chez les grands singes non-humains (Flexibility and intentionality in non-human great ape gestural communication). *Revue Primatologie*, 5.
- Genty, E., Clay, Z., Hobaiter, C. & Zuberbühler, K. (2014) Multi-modal use of a socially directed call in bonobos. *PLoS One*. DOI10.1371/journal.pone.0084738
- Hobaiter, C., Leavens, D. L. & Byrne, R.W. (2013) Deictic gesturing in wild chimpanzees (Pan troglodytes): some possible cases. *Journal Comparative Psychology* 10.1037/a0033757
- Hobaiter, C. & Byrne, R.W. (2013) Laterality in the gestural communication of wild chimpanzees. *Annals of the New York Academy of Sciences* 1288
- Hobaiter, C. & Byrne, R.W. (2011) Serial gesturing by wild chimpanzees: its nature and function for communication. *Animal Cognition* 14
- Hobaiter, C. & Byrne, R.W. (2011) The gestural repertoire of the wild chimpanzee. *Animal Cognition* 14
- Byrne, R.W., Hobaiter, C. & Klailova, M. (2011) Local traditions in gorilla manual skill: Evidence for observational learning of behavioural organization. *Animal Cognition* 14
- Hobaiter, C. & Byrne, R.W. (2010) Able-bodied wild chimpanzees imitate a motor procedure used by a disabled individual to overcome handicap. *PLoS One*. 5: e11959
- Genty, E., Breuer, T., Hobaiter, C. & Byrne, R.W. (2009) Gestural communication of the gorilla (Gorilla gorilla): repertoire, intentionality and possible origins. *Animal Cognition* 12

SELECTED INVITED TALKS/PLENARIES (2016 on)

- 2024 Keynote: International Conference on Affective Computing and Intelligent Interactions
- 2024 Invited speaker: Sante Fe Institute, Interspecies Internet
- 2024 Invited speaker: Berkeley AI Research Lab, University of California, Berkeley.
- 2024 BioAnthropology Seminar Series, University of Cambridge
- 2024 Invited speaker: Banbury Center of Cold Spring Harbor Laboratory, NY
- 2024 Keynote: Primate Society for Great Britain (deferred)
- 2023 Invited speaker: Centre for Advanced Study of Human Paleobiology, George Washington
- 2023 Invited speaker: Ritual in Human Evolution: Interdisciplinary Perspectives, University of Tübingen
- 2023 Keynote: ICCV 2023, Artificial Social Intelligence, Paris.
- 2023 Invited speaker: Origins of Language: a multidisciplinary perspective, IASH Jerusalem.
- 2023 Invited speaker: Efficiency Principles: Minds and Traditions Research Group, MPI Jena
- 2022 Invited speaker: Becoming Social, Johannes Gutenberg-Universität Mainz
- 2022 CISA Lecture, University of Geneva
- 2022 Keynote: The Crete Summer School of Linguistics
- 2022 Invited speaker: Evolutionary Pragmatics Forum
- 2021 Invited speaker: Animal Normativity workshop
- 2021 Invited speaker: New York – St. Petersburg Institute of Linguistics, Cognition and Culture
- 2021 Keynote Linguae Lectures, CNRS, Paris (deferred to 2021).
- 2019 Keynote: Protolang congress, Lisbon.
- 2019 Invited speaker: International Conference on Environmental Enrichment, Kyoto
- 2019 Invited speaker: University of Zurich Seminar, Zurich
- 2019 Invited speaker: Tai Chimpanzee Symposium speaker, Max Planck Institute Leipzig
- 2019 Invited speaker: Département d'Études Cognitives, Colloquium, Paris
- 2019 Invited speaker: Primate Evolution Symposium, Max Planck Institute Leipzig
- 2019 Keynote: Linguistics beyond language, Super-linguistics workshop, Berlin
- 2019 Invited speaker: University of Oslo Seminar
- 2019 Keynote: Japan Monkey Centre Primates meeting, Inuyama
- 2018 Invited speaker: Chimpanzee Life-history workshop, Duke University, USA
- 2018 Invited speaker: University of Lincoln Psychology Seminar
- 2018 Invited speaker: Diverse Intelligences Summer Institute
- 2017 Invited speaker: University of Kent BioAnthropology
- 2017 Invited speaker: 40th Minnesota Symposium on Child Psychology: Human communication: origins, mechanisms, and functions. USA.
- 2017 Invited speaker: University of Portsmouth. UK
- 2016 Invited speaker: ABLE from tools and gestures to the language ready brain, UCLA, USA
- 2016 Invited speaker: Rethinking Animal Minds and Meanings; Berlin, Germany
- 2016 Keynote: Chimpanzees in context, Chicago, USA. "Linguistic precursors in ape gesture".

PUBLIC ENGAGEMENT: (2018 on)

Selected public talks

- 2023 TEDx St Andrews
- 2023 What Makes us Human: exhibit Wardlaw Museum St Andrews;
- 2023 Leakey Foundation Podcast series;
- 2023 Talking Apes
- 2021 Jane Goodall Institute panellist: Covid19 and Great Apes
- 2020 Linguae Lecture series, CNRS, Paris;
- 2020 The hitchhikers guide to language: Royal Society of Edinburgh
- 2019 The language of life: Royal Scottish Society for the Arts
- 2019 The language of life. Monifeith Probius Club
- 2018 Curious minds: the language of life. Perthshire Society of Natural Science

Documentaries and Media

- 2024 BBC Obsessed by the Quest
- 2023 BBC-Nat Geo Home
- 2021 BBC Animal Einsteins.
- 2020 BBC Natural History: Primates
- 2019 Blink films: Animals decoded
- 2018 Royal Institution Christmas Lectures (contributor); NOVA documentary: Talk to the animals; Rotating Planet documentary: Aging in the wild; BBC The Life Scientific

Work regularly covered on: The Atlantic; PBS; BBC Inside Science; BBC R4; BBC World Service. *Online:* The Great Ape Dictionary (online community science work with >20,000 participants); and in books by popular science authors (Carl Safina, JF Derry, Adam Rutherford, Lucy Cooke, Arik Kerskenbaum).