

**CURRICULUM VITAE**  
**Stefano Seraph Kiambi Kaburu, PhD**  
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School of Animal, Rural and Environmental  
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## **EMPLOYMENT HISTORY**

- 2023-present    **Senior Lecturer in Conservation Biology**, Nottingham Trent University, UK
- 2020-2023      **Senior Lecturer in Evolutionary Biology**, University of Wolverhampton, UK
- 2018-2020      **Lecturer in Evolutionary Biology**, University of Wolverhampton, UK
- 2018             **Lecturer**, University of California, Davis, USA
- 2016-2018      **Post-doctoral fellow**, University of California, Davis, USA  
Mentor: Dr Brenda McCowan
- 2014-2015      **Post-doctoral fellow**, University of Parma, Italy  
*Laboratory:* National Institute of Child Health and Human Development,  
Maryland, USA  
Mentors: Dr Pier Francesco Ferrari & Dr Stephen Suomi
- 2012-2013      **Assistant Lecturer**, University of Kent

## **EDUCATION**

- 2014    **PhD Anthropology**                      School of Anthropology and Conservation, University of  
Kent, Canterbury (UK).  
Mentor: Dr Nicholas Newton-Fisher
- 2009    **MRes Primatology**                      School of Anthropology, Roehampton University,  
London (UK).  
Mentors: Dr Stuart Semple & Dr Ann MacLarnon
- 2007    **MSc Behavioural Biology**                  Department of Biology, University of Florence (Italy).  
Mentors: Dr Stefano Turillazzi & Dr Elisabetta Palagi
- 2005    **BSc Biological Sciences**                      Department of Molecular Biology, University of  
Palermo (Italy).  
Mentor: Dr Anna Maria Puglia

## **TEACHING QUALIFICATIONS**

- 2018-2019    **Postgraduate certificate of Higher Education**    University of Wolverhampton

## PUBLICATIONS

Citations: 967; h-index = 20; i10-index = 28

# indicates students supervised

### Peer-reviewed articles

#### -2022-

37. Fontani, S., **Kaburu, SSK.**, Marliani, G., Accorsi, PA., & Vaglio, S. Anogenital scent-marking signals fertility in a captive female Alaotran gentle lemur. *Frontiers in Veterinary Science*.

36. Balasubramaniam, KN., Aiempichitkijkarn, N., **Kaburu, SSK.**, Marty, PR., Beisner, BA., Bliss-Moreau, E., Arlet, ME., Atwill, E. & McCowan, B. Impact of joint interactions with humans and social interactions with conspecifics on the risk of zoonotic outbreaks among wildlife populations. *Scientific Reports*, 12: 11600

#### -2021-

35. Balasubramaniam, KN., **Kaburu, SSK.**, Marty, PR., Beisner, BA., Bliss-Moreau, E., Arlet, ME., Rupper, N., Ismail, A., Sah, SAM., Mohan, L., Rattan, S., Kodandaramaiah, U. & McCowan, B. Implementing social network analysis to understand the socioecology of wildlife co-occurrence and joint interactions with humans in anthropogenic environments. *Journal of Animal Ecology*, 90(12): 2819-2833.

34. Mazumder, J.<sup>#</sup>, & **Kaburu, SSK.** First report of food sharing among Nicobar long-tailed macaques. *Quaternary International*, 603: 31-39.

33. Wooddell, LJ., **Kaburu, SSK.** & Dettmer, AM. Behavioral and hormonal changes following social instability in young rhesus macaques (*Macaca mulatta*). *Journal of Comparative Psychology*, 135: 568-580.

32. Brown, SK., **Kaburu, SSK.** & Besenyei, L. The influences of micro-and macro-habitat variables on tent-roosting in *Dermanura watsoni* on the Osa Peninsula, Costa Rica. *Acta Chiropterologica*, 23(1): 207-213.

31. Balasubramaniam, KN., Bliss-Moreau, E., Beisner, BA., Marty, PR., **Kaburu, SSK.** & McCowan, B. Addressing the challenges of research on human-wildlife interactions using the concept of Coupled Natural & Human Systems. *Biological Conservation*, 257: 109095.

30. Vaglio, S., **Kaburu, SSK.**, Pearce, R., Bryant, L., McAuley, A., Lott, A., Sheppard, DJ., Smith, S., Tompkins, B., Elwell, EJ., Fontani, S., Young, C., Marliani, G. & Accorsi, PA. Effects of scent enrichment on behavioral and physiological indicators of stress in zoo primates. *American Journal of Primatology*, 83(5): e23247.

30. Festante, F., Rayson, H., Paukner, A., **Kaburu, SSK.**, Toschi, G., Fox, NA., & Ferrari, PF. Oxytocin promotes prosocial behavior and related neural responses in infant macaques at-risk for compromised social development. *Developmental cognitive neuroscience*, 48: 100950.

29. Arlet, ME., Balasubramaniam, KN., Saha, R., Beisner, B., Marty, PR., **Kaburu, SSK.**, Bliss-Moreau, E., Kaasik, A., Kodandaramaiah, U. & McCowan, B. Infant survival among free-living Bonnet macaques (*Macaca radiata*) in South India. *International Journal of Primatology*, 42(2): 220-236.

### -2020-

28. Hughes, M., Brown, SK., **Kaburu, SSK.**, Maddock, ST., & Young, CH. Advanced survey effort required to obtain bat assemblage data in temperate woodlands (Chiroptera). *Lynx N. S.*, 51: 41-48

27. Balasubramaniam, KN., Marty, PR., Samartino, S., Sobrino, A., Gill, T. #, Ismail, M., Saha, R., Beisner, BA., **Kaburu, SSK.**, Bliss-Moreau, E., Arlet, ME., Ruppert, N., Ismail, A., Shah, SAM., Mohan, L., Rattan, L., Kodandaramaiah, U. & McCowan, B. Impact of individual demographic and social factors on human-wildlife interactions: a comparative study of three macaque species. *Scientific Reports*, 10: 21991

26. Wooddell, L., **Kaburu, SSK.**, & Dettmer AM. Dominance rank predicts social network position across developmental stages in rhesus monkeys. *American Journal of Primatology*, 82: e230224

25. Mazumder, J.#, & **Kaburu, SSK.** Object manipulation and tool use in Nicobar long-tailed macaques (*Macaca fascicularis umbrosus*). *International Journal of Primatology*, 41: 141-159.

24. Balasubramanian, K., Marty, PR., Arlet, ME., Beisner, B., **Kaburu, SSK.**, Bliss-Moreau, E., Kodandaramaiah, U. & McCowan, B. Impact of anthropogenic factors on affiliative behaviors among bonnet macaques. *American Journal of Physical Anthropology*, 171: 704-717.

23. Marty, PR., Balasubramanian, K., **Kaburu, SSK.**, Hubbard, J. Beisner, B., Bliss-Moreau, E., Ruppert, N., Arlet, M.E., Sah, S.A.M., Ismail, A., Mohan, L., Rattan, S.K., Kodandaramaiah, U., & McCowan, B. Individuals in urban dwelling primate species face unequal benefits associated with living in an anthropogenic environment. *Primates*, 61: 249-255.

### -2019-

22. Simpson, EA., Maylott, SE., Lazo, RJ., Leonard, KA., **Kaburu, SSK.**, Suomi, S.J., Paukner, A., & Ferrari, PF. Social touch alters newborn monkey behavior. *Infant Behavior and Development*, 57: 101368.

21. **Kaburu, SSK.**, Beisner, B., Balasubramanian, K., Marty PR., Bliss-Moreau, E., Arlet, ME., Mohan, L., Rattan, SK., Atwill, ER, & McCowan, B. Interactions with humans impose time constraints on commensal rhesus macaques. *Behaviour*, 156: 1255-1282.

20. Marty, PR, Beisner, B., **Kaburu, SSK.**, Balasubramanian, K., Bliss-Moreau, E., Ruppert; N., Sah, S., Ahmad, I., Arlet, ME., Atwill, ER, & McCowan, B. Time constraints and stress imposed by human presence alter social behaviour in urban long-tailed macaques. *Animal Behaviour*, 150: 157-165

19. Simpson, EA., Sclafani, V., Paukner, A., **Kaburu, SSK.**, Suomi, SJ., & Ferrari, PF.

Handling newborn monkeys alters later exploratory, cognitive, and social behaviors. *Developmental Cognitive Neuroscience*, 35: 12-19.

18. **Kaburu, SSK.**, Marty PR., Beisner, B., Balasubramanian, KN., Bliss-Moreau, E., Kaur, K.#, Mohan, L., & McCowan, B. Rates of human-macaque interactions affect grooming behavior among urban-dwelling rhesus macaques (*Macaca mulatta*). *American Journal of Physical Anthropology*, 168: 92-103.

### -2017-

17. Wooddell, LJ.#, **Kaburu, SSK.**, Murphy AM., Suomi, SJ., Dettmer, AM. Rank acquisition in rhesus macaque yearlings following permanent maternal separation: the importance of the social and physical environment. *Developmental Psychobiology*, 59(7): 863-875.

16. Wooddell, LJ.#, Hamel FA., Murphy AM., Byers, KL., **Kaburu, SSK.**, Meyer, JS., Suomi, SJ., Dettmer, AM. Relationships between affiliative social behavior and hair cortisol in semi-free ranging rhesus monkeys. *Psychoneuroendocrinology*, 84: 109- 115.

15. Newton-Fisher, NE.\* & **Kaburu, SSK\***. Grooming decisions under structure despotism: the impact of social rank & bystanders among wild male chimpanzees. *Animal Behaviour*, 128: 153-164. \*denotes equal contribution.

14. Wooddell, LJ.#, **Kaburu, SSK.**, Suomi, SJ., & Dettmer, AM. Elo-rating as a tool to track rank fluctuations following demographic changes in semi-free ranging rhesus macaques (*Macaca mulatta*). *Journal of the American Association for Laboratory Animal Science*. 56(3):260-269.

13. Simpson, EA., Paukner, A., Sclafani, V., **Kaburu, SSK.**, Suomi, SJ., Ferrari, PF. Acute oxytocin improves memory and gaze following in male but not female nursery-reared infant macaques. *Psychopharmacology* 234(3): 497-506.

12. Dettmer, AM., Wooddell, LJ., Rosenberg, KL., **Kaburu, SSK.**, Novak, MA, Meyer, JS., & Suomi, SJ. Associations between early life experience, chronic HPA axis activity, and adult social rank in rhesus monkeys. *Social Neuroscience* 12(1): 92-101.

### -2016-

11. **Kaburu, SSK.**, Paukner, A., Simpson, EA., Suomi, SJ., & Ferrari, PF. Neonatal imitation predicts infant rhesus macaque (*Macaca mulatta*) social and anxiety-related behaviours at one year. *Scientific Reports* 6, 3499.

10. **Kaburu, SSK.** & Newton-Fisher, NE. Markets misinterpreted? A comment on Sánchez Amaro, A. and Amici, F. (2015). *Animal Behaviour* 119: e1-e5.

9. Dettmer, AM.\*, **Kaburu, SSK.\***, Simpson, EA.\*, Paukner, A., Sclafani, V., Byers, KL., Murphy, AM, Miller, M., Marquez, N., Maloney, G., Suomi, SJ., & Ferrari, PF. Neonatal face-to-face interactions promote later social behavior in infant rhesus monkeys. *Nature Communications* 7: 11940. \*denotes equal contribution.

8. Wooddell, L.J.<sup>#</sup>, **Kaburu, SSK.**, Rosenberg, K.L., Meyer, J.S., Suomi, S.J., & Dettmer, A.M. Matrilineal behavioral and physiological changes following the death of a non-alpha matriarch in rhesus macaques. *Plos One* 11(6): e0157108.

7. **Kaburu, SSK.\*** & Newton-Fisher, N.E. Bystanders, parcelling, and an absence of trust in the grooming interactions of wild chimpanzees. *Scientific Reports*, 6: 20634. \*denotes equal contribution.

6. Dettmer, A.M., **Kaburu, SSK.**, Byers, K.L., Murphy, A.M., Soneson, E., Wooddell, L.J.<sup>#</sup> & Suomi, S.J. First-time rhesus monkey mothers, and mothers of sons, preferentially engage in face-to-face interactions with infants. *American Journal of Primatology*, 78(2): 238-246.

### -2015-

5. **Kaburu, SSK.** & Newton-Fisher, N.E. Trading or coercion? Variation in male mating strategies between two communities of East African chimpanzees. *Behavioral Ecology and Sociobiology*, 69(6): 1039-1052.

4. **Kaburu, SSK.** & Newton-Fisher, N.E. Egalitarian despots: hierarchy steepness, reciprocity and the grooming-trade model in wild chimpanzees (*Pan troglodytes*). *Animal Behaviour*, 99: 61-71.

### -2013-

3. **Kaburu, SSK.** & Newton-Fisher, N.E. Social instability raises the stakes during social grooming among wild male chimpanzees. *Animal Behaviour*, 86(3): 519-527.

2. **Kaburu, SSK.**, Inoue, S., & Newton-Fisher, N.E. Death of the alpha: within-community lethal violence among chimpanzees of the Mahale Mountains National Park. *American Journal of Primatology*, 75(8): 789-797.

### -2012-

1. **Kaburu, SSK.**, MacLarnon, A., Majolo, B., Quarro, M., & Semple, S. Dominance rank and self-scratching among wild female Barbary macaques (*Macaca sylvanus*). *African Zoology*, 47(1): 74-79.

## Book chapter

### -2023

2. Hansen, M.F., **Kaburu, SSK.**, Morrow, K.S., & Maréchal. *Primate Tourism*. In: McKinney, T., Waters, S., & Rodrigues, M.A. (eds.), *Primates in Anthropogenic Landscapes*, pp. 183-201, Springer.

### -2017-

1. **Kaburu, SSK.** *Species*. In: Vonk, J. & Shackelford, T.K. (eds.), *Encyclopedia of Animal Cognition and Behavior*, Springer.

**Published abstracts from meetings**

- 2023 Mazumder, J., & **Kaburu, SSK.** Object manipulation and tool-use in Nicobar long-tailed macaques (*Macaca fascicularis umbrosus*). *American Journal of Primatology*, 85: 32-33.
- 2020 **Kaburu, SSK.**, Beisner, B., Balasubramanian, K., Marty PR., Bliss-Moreau, E., Mohan, L., Rattan, SK., Arlet, ME., Atwill, ER, & McCowan, B. Interactions with humans reduce resting and grooming time in urban-dwelling rhesus macaques (*Macaca mulatta*). *Folia Primatologica*, 91: 260-260
- 2020 Marty, PR., Balasubramaniam, KN., **Kaburu, SSK.**, Beisner, B., Bliss-Moreau, E., Arlet, ME., & McCowan, B. Individuals in urban-dwelling primates face unequal costs and benefits associated with living in an anthropogenic environment. *Folia Primatologica*, 91: 346-346.
- 2020 Balasubramanian, K., Marty, PR., Arlet, ME., Beisner, B., **Kaburu, SSK.**, Bliss-Moreau, E., Kodandaramajah, U. & McCowan, B. Impact of anthropogenic factors on affiliative behaviors among bonnet macaques. *American Journal of Physical Anthropology*, 171 (S69): 16-16.
- 2020 Chakraborty, B.<sup>#</sup>, **Kaburu, SSK.**, Marty, P.R., Balasubramanian, K., Beisner, B., Mohan, L., Rattan, SK. & McCowan, B. Individual predictors of participation in intergroup encounters among urban-dwelling rhesus macaques (*Macaca mulatta*). *American Journal of Physical Anthropology*, 171 (S69): 48-48.
- 2020 Hubbard, J., Ruppert, N., Balasubramaniam, K., Beisner, B., Marty, P., **Kaburu, SSK.**, McCowan, B. Effects of energetic need on human-macaque interactions and access to anthropogenic food in the urban environment. *American Journal of Physical Anthropology*, 171 (S69): 125-126.
- 2018 **Kaburu, SSK.** & Newton-Fisher, NE. Bystanders' presence and rank affect grooming decision making in two wild chimpanzee communities. *American Journal of Physical Anthropology*, 165 (S66): 135-135.
- 2018 **Kaburu, SSK.**, Beisner, B., Marty, PR., Balasubramaniam, K., Bliss-Moreau, E., Atwill, ER., McCowan, B. Investigation of grooming interactions among urban-dwelling rhesus macaques (*Macaca mulatta*) in Shimla (Northern India). *American Journal of Primatology*, 80 (S1): 35-36.
- 2018 Marty, PR., Beisner, B., **Kaburu, SSK.**, Balasubramaniam, K, Bliss-Moreau, E., Atwill, ER., McCowan, B. Determinants of human-nonhuman primate conflicts in long-tailed macaques (*Macaca fascicularis*) in Malaysia. *American Journal of Primatology*, 80 (S1): 36.
- 2018 Bliss-Moreau, E., Srivastava, S.<sup>#</sup>, **Kaburu, SSK.**, Marty, PR., Balasubramaniam, K., Beisner, B., McCowan, B. The perception of macaques' minds is related to attitudes about macaques at interfaces. *American Journal of Primatology*, 80 (S1): 37-38.

- 2015 **Kaburu, SSK.**, Simpson, EA., Paukner, A., Suomi, SJ., & Ferrari, P.F. Early face-to-face interactions improve social development in nursery-reared infant rhesus macaques (*Macaca mulatta*). *Developmental Psychobiology*, 57(7): 871-872.
- 2015 Wooddell, LJ.<sup>#</sup>, **Kaburu, SSK.**, Dettmer, AM., & Suomi, SJ. Elo-rating as a tool to measure rank changes and dominance stability in semi free ranging rhesus macaques (*Macaca mulatta*). *American Journal of Primatology*, 77: 80-80.
- 2008 Norscia, I., **Kaburu, SSK.**, Palagi, E. & Antonacci, D. Feeding ecology of Berenty sifakas (*Propithecus verreauxi*) in the wet season. *Folia Primatologica*, 79 (5): 368-369.
- 2007 **Kaburu, SSK.**, Norscia, I., Palagi, E. & Antonacci, D. (2007). Behavioral ecology of sifakas in the Berenty gallery forest: preliminary results. *Folia primatologica*, 79(3): 155-156.

## GRANTS

### Research

- 2023 University of Wolverhampton (FSE Research Grant): **Exploring the risk of zoonotic pathogen transmission in triadic interspecific interactions: Human-monkey-dog interactions at Kathmandu temples, Nepal.** £4885
- 2019 University of Wolverhampton (Early Research Award Scheme): **Investigation of mother-infant face-to-face interactions among long-tailed macaques (*Macaca fascicularis*).** £4997
- 2019 American Association of Physical Anthropologists (Cobb Professional Development Grant): **Mother-infant face-to-face communication in Barbary and long-tailed macaques.** \$7460
- 2019 The Leakey Foundation (Research Grant): **Exploring tool use by long-tailed macaques in the Nicobar islands, India, and associated factors.** \$14,007 (to student Jayashree Mazumder)
- 2018 International Primatological Society: **Tool use by *Macaca fascicularis umbrosus* of Nicobar islands.** \$1,500 (to student Jayashree Mazumder)
- 2011 The Wenner-Gren Foundation (Dissertation Field work grant): **Grooming reciprocity among wild chimpanzees (*Pan troglodytes*) of Mahale National Park (Tanzania).** \$18,302
- 2009 Leakey Trust: **Female feeding competition in Barbary macaques (*Macaca sylvanus*) in the Middle Atlas (Morocco).** £200

## Travel

- 2018 UC Davis Postdoctoral Scholars Association travel award: **Travel grant to attend the 87<sup>th</sup> American Association of Physical Anthropology meeting.** \$400
- 2015 International Society of Developmental Psychobiology: **Travel grant to attend the 48<sup>th</sup> annual ISDP meeting.** \$1,500

## AWARDS

- 2021 **University of Wolverhampton Vice-Chancellor's Award for Staff Excellence 2021** for outstanding contribution to research.
- 2018 **Runner-up speaker award** for the talk entitled 'Investigation of the factors driving the conflict between people and rhesus macaques (*Macaca mulatta*) in Shimla, Northern India', given at the 4<sup>th</sup> Annual UC Davis Postdoctoral Research Symposium.
- 2015 **Student Award Honorable Mention** for the talk entitled 'Elo-rating as a tool to measure rank changes and dominance stability in semi free ranging rhesus macaques (*Macaca mulatta*)', given at the 38<sup>th</sup> Annual Meeting of the American Society of Primatologists.

## TALKS & CONFERENCES

### Invited presentations

- 2022 Economic decision-making in urban macaques: the benefits and costs of living alongside humans. Invited talk at the Department of Anthropology of UCL (UK).
- 2021 Investigation of the drivers and outcome of human-macaque interactions: a Coupled Natural and Human Systems approach. Invited talk at Department of Anthropology of University of Turin (Italy).
- 2021 Investigation of the drivers and outcome of human-macaque interactions: a Coupled Natural and Human Systems approach. Invited talk at Stirling University (UK).
- 2020 Investigation of the drivers and outcome of human-macaque interactions: a Coupled Natural and Human Systems approach. Invited talk at the Centre for Research in Evolutionary, Social and Inter-disciplinary Anthropology of University of Roehampton (UK)
- 2019 Impact of early experiences on primate social development. Invited talk at the School of Psychology of the University of Lincoln (UK).
- 2017 Individual differences in the development and adaptation of social behaviors in non-human primates. Invited talk at the Indian Institute of Science, Education and Research, Mohali (India).



- 2017 A report from the field: joys and challenges of studying primates in the wild. Invited talk at the Department of Anthropology, Panjab University, Chandigarh (India).
- 2015 Trading or coercion? Male mating strategies depend on dominance steepness in wild chimpanzees. Invited talk at Hood College (Frederick, MD, US).
- 2014 Why be kind? A lesson from chimpanzees. Invited talk at the Department of Neurosciences of University of Parma (Italy).

## Conference talks

*# indicates students supervised*

- 2022 **Balasubramaniam, KN.**, Aiempichitkijkarn, N., Marty, PR., Kaburu, SSK., Beisner, BA., Bliss- Moreau, E., Atwill, EA., & McCowan, BJ. Anthropogenic factors and social interactions affect zoonotic outbreak risk among (peri)urban wildlife populations. International Society for Behavioural Ecology (ISBE) Congress, Stockholm, Sweden.
- 2022 **Kaburu, SSK.** Examining the hidden costs of human-wildlife interactions: effect of anthropogenic factors on urban macaques' energy balance, physiological stress and immune response. University of Wolverhampton, Faculty of Science and Engineering Research Festival, in Wolverhampton (UK).
- 2022 **Kaburu, SSK.**, & O'Shea, M. RIF4 Bioscience Research Project- Animal & Plant Conservation Theme. University of Wolverhampton, Faculty of Science and Engineering Research Festival, in Wolverhampton (UK).
- 2022 Fontani, S., Glendewar, G., **Kaburu, SSK.**, Marliani, G., Accorsi, PA., & Vaglio, S. Olfactory signals and fertility in zoo-housed Aloatran lemurs. University of Wolverhampton, Faculty of Science and Engineering Research Festival, in Wolverhampton (UK).
- 2021 Chakraborty, B.#, **Kaburu, SSK.**, Marty, PR., Balasubramaniam, K., Beisner, B., Mohan,L., Rattan, SK. & McCowan, B. What can multilayer networks inform us about patterns of interactions in macaques? Animal Behavior Society (ABS) Virtual Meeting.
- 2020 Balasubramaniam, KN., Marty, PR., Samartino, S., Sobrino, A., Gill, T., Ismail, M., Saha, R., Beisner, BA., **Kaburu, SSK.**, Arlet, M., Bliss- Moreau, E., & McCowan, B. Impact of Individual Behavior on Human-Wildlife Interactions: A Cross-Species Comparative Approach. Animal Behavior Society (ABS) Virtual Meetings.
- 2020 **Kaburu, SSK.** Development of social bonds in long-tailed macaques. Annual Research Conference, University of Wolverhampton, Wolverhampton (UK)
- 2019 Chakraborty, B.#, **Kaburu, SSK.**, Marty, PR., Balasubramaniam, K., Beisner, B., Mohan,L., Rattan, SK. & McCowan, B. Predictors of individual participation in intergroup encounters among urban rhesus macaques (*Macaca mulatta*). Behaviour

- 2019 (A joint meeting of the 56th Annual Conference of the Animal Behavior Society and the 36th International Ethological Conference), in Chicago (US).
- 2019 Aiempichitkijkarn N., **Kaburu, SSK.**, Beisner, B., Marty, PR., Balasubramaniam, K., Bliss-Moreau, E., & McCowan, B. Stealing in exchange for food: spatial position in the group predicts stealing behavior among rhesus macaques (*Macaca mulatta*) in Shimla, Northern India. International Urban Wildlife Conference in Portland (Oregon).
- 2018 **Kaburu, SSK.**, Bliss-Moreau, E., Srivastava, S.<sup>#</sup>, Beisner, B., Marty, PR., Balasubramaniam, K., Arlet, ME., Atwill, ER., & McCowan, B. Investigation of the factors driving the conflict between people and rhesus macaques (*Macaca mulatta*) in Shimla, Northern India. 27<sup>th</sup> meeting of the International Primatological Society in Nairobi (Kenya).
- 2018 Marty, PR., Beisner, B., **Kaburu, SSK.**, Balasubramaniam, K., Bliss-Moreau, E., Arlet, ME., Atwill, ER., & McCowan, B. Time constraints and stress imposed by human presence alter social behavior in urban long-tailed macaques (*Macaca fascicularis*) in Kuala Lumpur, Malaysia. 27<sup>th</sup> Meeting of the International Primatological Society in Nairobi (Kenya).
- 2018 Balasubramaniam, KN., Beisner, BA., Bliss-Moreau, E., **Kaburu, SSK.**, Marty, P., Arlet, M.E., & McCowan, B. Assessing human-primate conflict as dynamic coupled natural and human systems. 27<sup>th</sup> meeting of the International Primatology Society Meetings in Nairobi (Kenya).
- 2018 **Kaburu, SSK.**, Bliss-Moreau, E., Srivastava, S.<sup>#</sup>, Beisner, B., Marty, PR., Balasubramaniam, K. & McCowan, B. Investigation of the factors driving the conflict between people and rhesus macaques (*Macaca mulatta*) in Shimla, Northern India. 4<sup>th</sup> Annual UC Davis Postdoctoral Research Symposium, Davis (US).
- 2018 Ahn, Y.A., Paukner, A., **Kaburu, S.S.K.**, Ferrari, P. F., & Simpson, E. A. Individual differences in endogenous and exogenous oxytocin on infant macaques' (*Macaca mulatta*) attention to threatening facial expressions. 25<sup>th</sup> meeting of the Comparative Cognition Society in Melbourne Beach, Florida (US).
- 2018 Srivastava, S.<sup>#</sup>, Bliss-Moreau, E., **Kaburu, SSK.**, Kshatriya, GK., Beisner, B., Marty, PR., Balasubramaniam, K. & McCowan, B. Human perceptions and attitudes towards human-macaque conflict in Shimla, North India. 6<sup>th</sup> Asian Primate Symposium, Kathmandu (Nepal).
- 2018 Chakraborty, B.<sup>#</sup>, **Kaburu, SSK.**, Beisner, B., Marty, PR., Balasubramaniam, K., Bliss-Moreau, E., Mohan, L. & McCowan, B. Effect of human-macaque interactions on grooming behavior of urban rhesus macaque (*Macaca mulatta*) in the city of Shimla, Northern India. 6<sup>th</sup> Asian Primate Symposium, Kathmandu (Nepal).
- 2018 Aiempichitkijkarn, N.<sup>#</sup>, **Kaburu, SSK.**, Beisner, B., Marty, PR., Balasubramaniam, K., Bliss-Moreau, E. & McCowan, B. Group position predicts robbing and bartering

- behavior among rhesus macaques (*Macaca mulatta*) in Shimla, Northern India. 6<sup>th</sup> Asian Primate Symposium, Kathmandu (Nepal).
- 2016 Simpson, EA., **Kaburu, SSK.**, Paukner, A., Suomi, SJ., & Ferrari, PF. Neonatal imitation predicts sociality in one-year-old rhesus macaques. 49<sup>th</sup> meeting of the International Society of Developmental Psychobiology in San Diego (US).
- 2016 Paukner, A., Slonecker, EM., Sisk, M., & **Kaburu, SSK.** Infant sex and mother rank affect how infant rhesus macaque (*Macaca mulatta*) view facial expressions. 39<sup>th</sup> Meeting of the American Society of Primatologists in Chicago (US).
- 2016 Newton-Fisher, NE. & **Kaburu, SSK.** Demography and despotism: making sense of inter-community differences in the behavior of wild male chimpanzees (*Pan troglodytes*). 39<sup>th</sup> Meeting of the American Society of Primatologists in Chicago (US).
- 2016 Wooddell, LJ.<sup>#</sup>, **Kaburu, SSK.**, Suomi, SJ., & Dettmer, AM. Differential rank acquisition in semi-free ranging male and female juvenile rhesus macaques (*Macaca mulatta*). 39<sup>th</sup> Meeting of the American Society of Primatologists in Chicago (US).
- 2016 Dettmer, AM., Rosenber, KL., Murphy, AM., Byers, KL., Wooddell, LJ.<sup>#</sup>, **Kaburu, SSK.**, Hinde, K., Novak, MA., Meyer, JS., & Suomi, SJ. Primiparity: a sensitive period for maternal and infant development in rhesus macaques. 39<sup>th</sup> Meeting of the American Society of Primatologists in Chicago (US).
- 2013 **Kaburu, SSK.** & Newton-Fisher, NE. Market forces predict the distribution of grooming among wild male chimpanzees. Meeting of the Primate Society of Great Britain, Spring meeting, in Lincoln (UK).
- 2012 Inoue, S., **Kaburu, SSK.** & Newton-Fisher, NE. Reaction to the alpha-male's dead body after a within-group killing among wild chimpanzees: a case report. 28<sup>th</sup> meeting of the Primate Society of Japan.
- 2012 **Kaburu, SSK.** & Newton-Fisher, NE. Grooming reciprocity among wild chimpanzees of the Mahale Mountains National Park. 24<sup>th</sup> meeting of the International Primatological Society in Cancùn (Mexico).
- 2010 **Kaburu, SSK.**, Semple S., Majolo, B. & MacLarnon, A. Assessment of social stressors among wild female Barbary macaques (*Macaca sylvanus*) through the measurement of self-scratching and faecal glucocorticoids. 23<sup>rd</sup> meeting of the International Primatological Society in Kyoto.
- 2008 Antonacci, D., **Kaburu, SSK.**, Norscia, I. & Palagi, E. To mate or not to mate? Potential factors influencing copulation probability in the sifaka. 22<sup>nd</sup> meeting of the International Primatological Society in Edimburgh (UK).

### Poster presentations

- 2022 Fontani, S., Glendewar, G., **Kaburu, SSK.**, Marliani, G., Accorsi, PA., & Vaglio, S. Olfactory signals and fertility in zoo-housed Aloatran lemurs. British and Irish

- Association of zoos and aquariums, in Arnhem (Netherlands).
- 2022 Elwell, E.<sup>#</sup>, Cox, J., Lloyd, E., Kaburu, SSK., Young, C., & Vaglio, S. A novel scent enrichment to trigger mating behaviour in ruffed lemurs. Joint Conference of the European Federation for Primatology and the Gesellschaft für Primatologie, in Arnhem (Netherlands).
- 2020 Elwell, E.<sup>#</sup>, Young, C., **Kaburu, SSK.**, & Vaglio, S. Scent and Stress – Can we enrich the lives of zoo lemurs with smells? Annual Research Conference, University of Wolverhampton, Wolverhampton (UK)
- 2019 Marty, PR. Balasubramanian, KN., **Kaburu, SSK.**, Beisner, B., Bliss-Moreau, E., Arlet, ME., McCowan, B. Individuals in urban dwelling primates face unequal costs and benefits associated with living in an anthropogenic environment. Joint meeting between the European Federation of Primatology and the Primatological Society of Great Britain, in Oxford (UK).
- 2018 Ahn, Y.A., Paukner, A., **Kaburu, S.S.K.**, Ferrari, P. F., & Simpson, E. A. Individual differences in endogenous and exogenous oxytocin on infant macaques' (*Macaca mulatta*) attention to threatening facial expressions. 21<sup>st</sup> meeting of the International Congress of Infant Studies, Philadelphia (PA, US)
- 2018 Majoe, M., Arlet, ME., Mohammed, I., Saha, R., Van Berkel, M., Dongre, P., Sobrino, A., Balasubramaniam, K., Beisner, B., **Kaburu, SSK.**, Marty, M., Bliss-Moreau, E. & McCowan, B. Factors influencing Bonnet macaques to initiate interactions with humans. 6<sup>th</sup> Asian Primate Symposium, Kathmandu (Nepal).
- 2018 Ismail, M., Arlet, ME., Majoe, M., Saha, R., Dongre, P., van Berkel, M., Sobrino, A., Balasubramaniam, K., Beisner, B., **Kaburu, SSK.**, Marty, P., Bliss-Moreau, E., & McCowan, B. Living on the edge : Feeding ecology of female bonnet macaques in semi-urban landscapes. 6<sup>th</sup> Asian Primate Symposium, Kathmandu (Nepal).
- 2015 Slonecker, E., Simpson, EA., Paukner, A., **Kaburu, SSK.**, Ferrari, PF., & Suomi, SJ. Early social interactions affect social interests in infant rhesus macaques. Poster Day, National Institutes of Health, Bethesda (MD, US).
- 2009 **Kaburu, SSK.**, Semple, S., Majolo, B., Qarro, M. & MacLarnon, A. (2009). Self-scratching and faecal glucocorticoids as non-invasive measures to assess rank-related social anxiety and stress in wild female Barbary macaques (*Macaca sylvanus*). Meeting of the Primate Society of Great Britain, Winter meeting, in London (UK).
- 2006 Turillazzi, S., Cervo, R., Giugliani, L., Manganaro, A., Gracci, F., **Kaburu, SSK.** & Leonardi, E. Adozione di prole estranea nella vespa sociale *Polistes bischoffi*. XXII meeting of the Italian Society of Ethology in Erice (Italy).

### Conference/workshop/symposium organization

- 2018 **Kaburu, SSK.**, Balasubramaniam, K., Marty, PR., Bliss-Moreau, E., Beisner, B., & McCowan, B. *Human-primate interaction as a Coupled Natural-and-Human system:*

*an ethnoprimateological approach.* Symposium organized for the 27<sup>th</sup> meeting of the International Primatological Society in Nairobi (Kenya).

## TEACHING & MENTORING EXPERIENCE

### Classroom Teaching Experience

#### *As course leader*

##### **Nottingham Trent University**

2023-present MSc/MRes Endangered Species Recovery and Conservation

##### **University of Wolverhampton**

2021-2023 Msc Wildlife Conservation; MRes Wildlife Conservation

#### *As module leader*

##### **Nottingham Trent University**

2023-present ARES40081 Species Recovery: Theories, Methods and Techniques

2023-present ANIM22141 Physiology of Behaviour

##### **University of Wolverhampton**

2021-2023 7AB013 Research Methods; 7AB023 Extended Research Project

2020-2023 5BM061 Evolution & Development

2020-2021 6BM015 Human Development

2019-present 4BM016 Human Form & Function

2018-2021 6BM016 Human Evolution

2018-2020 5BM012 Evolution & Origin of Life;

2018-2019 4BM004 Human Structure & Function

2018 **University of California, Davis**

PSC123 Hormones and Behavior

#### *As contributor*

2018-2019 **University of Wolverhampton**

4AB010 Animal Behaviour; 4AB014 Ecology; 4AB022 Diversity of Life; 5BM10 Anatomy & Biomechanics; 5AB015 Behavioural ecology; 5AB009 Conservation Biology; 5BM009 Integrated Physiology; 6AB009 Seminar in Animal Behaviour & Wildlife Conservation; 6BM015 Human Development; 6BM017 Advanced Human Physiology; 6BM018 Current Perspectives in Physiology; 6BM057 Developmental & Cellular Physiology; 7AB011 Primate Behaviour & Conservation; 7AB013 Research Methods.

2018 **University of California, Davis**

PHR298 Social Network Analysis

2012-2013 **University of Kent**

SE580 Primate Behaviour and Ecology; SE567 Methodology in Anthropological Science; SE302 Foundations of Biological Anthropology; SE582 Comparative Perspectives in Primate Biology

## Student supervision

### *Undergraduate*

2019-2020	Atlanta Pumford	University of Wolverhampton (UK)
2019-2020	Matthew Walsh	University of Wolverhampton (UK)
2019-2020	Dominic Riley	University of Wolverhampton (UK)
2019-2020	Katie Preston	University of Wolverhampton (UK)
2020-2021	Mark Dunn	University of Wolverhampton (UK)
2020-2021	Michelle Henry	University of Wolverhampton (UK)
2021-2022	Victoria McDermott	University of Wolverhampton (UK)
2021-2022	Annie Millard	University of Wolverhampton (UK)
2022-2023	Jadine Williams	University of Wolverhampton (UK)
2022-2023	Rachel Wallace	University of Wolverhampton (UK)

### *Post-graduate*

2014-2015	Lauren Wooddell	National Institutes of Health (US)
2015-2016	Silvia Mozzi	University of Parma (Italy)
2016-2017	Taniya Gill	New Delhi University (India)
2016-2018	Shubhangi Srivastava	New Delhi University (India)
2017	Jose' Melara	University of Kent (UK)
2018- 2019	Kathryn Perkins	University of Wolverhampton (UK)
2020-2021	Elise Jansen	University of Wolverhampton (UK)
2020-2021	Isotta Ponte	University of Turin (Italy)
2020-2022	Christopher Turner	University of Wolverhampton (UK)
2021-2022	Mark Dunn	University of Wolverhampton (UK)
2021-2022	Lois Butler	University of Wolverhampton (UK)
2021-2022	Elizabeth Trice	University of Wolverhampton (UK)

### *PhD students*

2017-2022	Jayashree Mazumder	IISER, Mohali (India)
2018-2023	Emily Elwell	University of Wolverhampton (UK)
2018-present	Bidisha Chakraborty	University of California, Davis (US)
2022-present	Anne Castiglioni	University of Wolverhampton (UK)

## RESEARCH EXPERIENCE

### *Field*

2023-present **Investigation of the effect of human-macaque interactions on long-tailed**

- macaques' physiology and behaviour in Malaysia.**  
Penang, Malaysia
- 2019-2020 **Investigation of mother-infant interactions and infant development in long-tailed macaques (*Macaca fascicularis*) in Malaysia.**  
Kuala Lumpur, Malaysia
- 2016-2018 **Investigation of human-macaque conflict dynamics in Northern India**  
Shimla, India
- 2011 **Investigation of biological markets among wild chimpanzees**  
Mahale National Park (Tanzania)
- 2009 **Investigation of female feeding competition in Barbary macaques**  
Middle Atlas Mountains (Azrou, Morocco)
- 2006-2007 **Investigation of ecology and social behaviour in ring-tailed lemurs and sifakas**  
Berenty reserve (South Madagascar)

### ***Laboratory***

- 2014-2015 **Development of social cognition in infant rhesus macaques**  
Laboratory of Comparative Ethology, NICHD, NIH, MD (USA)
- 2005 **Investigation of Nonomurea ATCC39727 DNA binding protein Orf4 activities by electrophoretic - mobility shift assay**  
Laboratory of Microbiology in the Department of Molecular Biology.

## **PEER REVIEW**

### ***Journals***

American Journal of Primatology, Animal Behaviour, Animals, Asian Primate Journal, Behaviour, Behavioural Ecology and Sociobiology, British Journal of Developmental Psychology, Current Zoology, Developmental Psychobiology, Journal of the American Association for Laboratory Animal Science, Hormones and Behavior, Infant Behavior and Development, International Journal of Primatology, PeerJ, Primates, Proceedings of the Royal Society B, Royal Society Open Access, Urban Ecosystems.

### ***Grants***

The Leakey Foundation, UC Davis travel grant, University of Lethbridge Research Fund, Research Grants Council of Hong Kong, National Science Centre of Poland.

## **SOCIETY MEMBERSHIP**

- International Primatological Society (2009-present)  
American Society of Primatology (2017-present)  
American Association of Physical Anthropologists (2017-present)  
Primate Society of Great Britain (2018-present)  
Association for the Study of Animal Behaviour (2018-present)

**Last update:** August 1st 2023