

Curriculum Vitae

KEVIN E. LANGERGRABER

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RESEARCH INTERESTS

Primate molecular and behavioral ecology and conservation genetics, particularly in chimpanzees. Most of my research is on the Ngogo community of chimpanzees in Kibale National Park, Uganda, where I have co-directed a long-term field research project since 2011 and have worked since 2001.

EDUCATION

2007: University of Michigan, Ph.D. in Anthropology.

1998: Okanagan University College, B.A. in Psychology.

ACADEMIC EMPLOYMENT

2025 – Present: Professor, School of Human Evolution and Social Change, Arizona State University.

2018 – 2025: Associate Professor, School of Human Evolution and Social Change, Arizona State University.

2014 – 2018: Assistant Professor, School of Human Evolution and Social Change, Arizona State University.

2011 – 2014: Assistant Professor, Department of Anthropology, Boston University.

2010 – 2013: Research Scientist, Department of Primatology, Max Planck Institute for Evolutionary Anthropology.

2007 – 2009: Alexander von Humboldt Post-Doctoral Research Fellow, Department of Primatology, Max Planck Institute for Evolutionary Anthropology.

OTHER ACADEMIC APPOINTMENTS

2022 – Present: Research Consortium Member, Evolution of Brain Connectivity (EBC)

2021 – Present: Committee Member, National Chimpanzee Conservation Action plan for Uganda. Wildlife Conservation Society.

2020 – Present: Project Partner, Association of Zoos And Aquariums Saving Animals from Extinction (SAFE): Chimpanzees.

2015 – Present: Research Affiliate, Institute of Human Origins

2015 – Present: Affiliated Faculty, Center for Evolution and Medicine

2012 - Present: Research Consortium Member *The Pan African Programme: The Cultured Chimpanzee*

PUBLICATIONS

*(Student co-authors are underlined, and * denotes shared first authorship. In my field of science, generally the first and last authors of a project get most of the credit in co-authored works.)*

PEER-REVIEWED JOURNAL ARTICLES PUBLISHED AND IN PRESS

81. Dorne, E., Qi, J., Bull, P., Stephens, C., Bessone, M., Debetencourt, B., Fruth, B., Morgan, D., Palmer, M.S., Sanz, C., Wendefeuer, J., Crockford, C., Deschner, T., **Langergraber, K.E.**, Piel, A.K., Robbins, M., Sommer, V., Stewart, F.A., Wittig, R.M., Zuberbuhler, K., Kuhl, H.S. & Arandjelovic, M. (2025) Zamba: Computer vision for wildlife conservation. *Proceedings of the 24th Python in Science Conference*, 85-111.
80. Mine, J.G., Dees, L.C., Wilke, C., Willems, E.P., Machanda, Z.P., Muller, M.N., Thompson, M.E., Wrangham, R., Scully, E.J., **Langergraber, K.** & Stoll, S. (2025). Chimpanzee mothers, but not fathers, influence offspring vocal–visual communicative behavior. *PLoS Biology*, 23, e3003270.
79. Negrey, J.D., Angedakin, S., Reddy, R.B., Sandel, A.A., Jombela, S., Akamumpa, E., Aliganyira, C., Birungi, C., Kalunga, D., Kamugyisha, B., Kanweri, D., Mbabazi, G., Nakayima, P., Lee, K.C., Clark, I.R., Samuni, L., Owens, L.A., Watts, D.P., Mitani, J.C., Goldberg, T.L. & **Langergraber, K.E.** (2025). Decreases in chimpanzee respiratory disease signs and enteric viral quantity following implementation of anthroponotic disease prevention protocols at a long-term research site. *Biological Conservation*, 308, 111225.
78. White, L. Lukas, D., **Langergraber, K.E.** & Vigilant, L. (2025) Avoidance of reproductive conflict and the evolution of menopause in wild chimpanzees. *Royal Society Open Science*, 12, 250835.
77. Tuyisingize, D., Kulik, L., Assou, D., Zausa, D., Kamga, S., Mundi, O., Heinicke, S., Kone, I., Mucyo, S.J.P., Sop, T., Boesch, C., Stephens, C., Agbor, A., Angedakin, S., Bailey, E., Bessone, M., Coupland, C., Head, J., Deschner, T.,

- Dieguez, P., Egbe, V.E., Granjon, A.-C., Hicks, T.C., Jones, S., Kalan, A.K., **Langergraber, K.E.**, Lapuente, J., Lee, K.C., Lynn, L.K., Maldonado, N., McCarthy, M.S., Meier, A., Ormsby, L.J., Piel, A.K., Sciaky, L., Sommer, V., Stewart, F.A., Wessling, E.G., Widness, J., Wittig, R.M., Strohbach, P., Arandjelovic, M., van der Hoek, Y. & Kühl, H.S. (2025). Complex variation in Afrotropical mammal communities with human impact. *Ecology and Evolution*, 15, e71331.
76. Brookes, O., Kukushkin, M., Mirmehdi, M., Stephens, C., Dieguez, P., Hicks, T.C., Jones, S., Lee, K., McCarthy, M.S., Meier, A., Normand, E., Wessling, E.G., Wittig, R.M., **Langergraber, K.**, Zuberbühler, K., Boesch, L., Schmid, T., Arandjelovic, M., Kühl, H. & Burghardt, T (2025). The PanAf-FGBG dataset: Understanding the impact of backgrounds in wildlife behaviour recognition. *Proceedings of the Computer Vision and Recognition Conference*, 5433-5443.
75. Kazaba, P.K., Kulik, L., Beukou Choumbou, G.B., Douhin Tiémoko, C.B., Oni, F.L., Kamgang, S.A., Heinicke, S., Koné, I., Mucyo, S.J.P., Sop, T., Boesch, C., Stephens, C., Agbor, A., Angedakin, S., Bailey, E., Bessone, M., Coupland, C., Deschner, T., Dieguez, P., Granjon, A.-C., Harder, B., Head, J., Hicks, T.C., Jones, S., Kadam, P., Kalan, A.K., **Langergraber, K.E.**, Lapuente, J., Lee, K.C., Lynn, L.K., Maldonado, N., McCarthy, M.S., Meier, A.C., Ormsby, L.J., Piel, A., Robbins, M.M., Sciaky, L., Sommer, V., Stewart, F.A., Widness, J., Wittig, R.M., Wessling, E.G., Arandjelovic, M., Kühl, H. & van der Hoek, Y. (2025). Chimpanzees (*Pan troglodytes*) indicate mammalian abundance across broad spatial scales. *Ecology and Evolution*, 15, e71000.
74. Ostridge, H.J., Fontseré, C., Lizano, E., Soto, D.C., Schmidt, J.M., Saxena, V., Alvarez-Estape, M., Barratt, C.D., Gratton, P., Bocksberger, G., Lester, J.D., Dieguez, P., Agbor, A., Angedakin, S., Assumang, A.K., Bailey, E., Barubiyo, D., Bessone, M., Brazzola, G., Chancellor, R., Cohen, H., Coupland, C., Danquah, E., Deschner, T., Dotras, L., Dupain, J., Egbe, V.E., Granjon, A.-C., Head, J., Hedwig, D., Hermans, V., Hernandez-Aguilar, R.A., Jeffery, K.J., Jones, S., Junker, J., Kadam, P., Kaiser, M., Kalan, A.K., Kambere, M., Kienast, I., Kujirakwinja, D., **Langergraber, K.E.**, Lapuente, J., Larson, B., Laudisoit, A., Lee, K.C., Llana, M., Maretti, G., Martin, R., Meier, A.C., Morgan, D., Neil, E., Nicholl, S., Nixon, S., Normand, E., Orbell, C., Ormsby, L.J., Orume, R., Pacheco, L., Preece, J., Regnaut, S., Robbins, M.M., Rundus, A., Sanz, C., Sciaky, L., Sommer, V., Stewart, F.A., Tagg, N., Tedonzong, L.R., van Schijndel, J., Vendras, E., Wessling, E.G., Willie, J., Wittig, R.M., Yuh, Y.G., Yurkiw, K., Vigilant, L., Piel, A.K., Boesch, C., Kühl, H.S., Dennis, M.Y., Marques-Bonet, T., Arandjelovic, M. & Andres, A.M. (2025). Local genetic adaptation to habitat in wild chimpanzees. *Science*, 387, eadn7954.
73. Wang, X., Bocksberger, G., Arandjelovic, M., Agbor, A., Angedakin, S., Aubert, F., Ayuk Ayimisin, E., Bailey, E., Barubiyo, D., Bessone, M., Bobe, R., Bonnet, M., Boucher, R., Brazzola, G., Brewer, S., Lee, K.C., Carvalho, S., Chancellor, R.,

- Cipoletta, C., Cohen, H., Copeland, S.R., Corogenes, K., Costa, A.M., Coupland, C., Curran, B., de Ruiter, D.J., Deschner, T., Dieguez, P., Dierks, K., Dilambaka, E., Dowd, D., Dunn, A., Egbe, V.E., Finckh, M., Fruth, B., Gijanto, L., Yuh, Y.G., Goedmakers, A., Gokee, C., Gomes Coelho, R., Goodman, A.H., Granjon, A.-C., Grimes, V., Grueter, C.C., Haour, A., Hedwig, D., Hermans, V., Hernandez-Aguilar, R.A., Hohmann, G., Imong, I., Jeffery, K.J., Jones, S., Junker, J., Kadam, P., Kambere, M., Kambi, M., Kienast, I., Knudson, K.J., **Langergraber, K.E.**, Lapeyre, V., Lapuente, J., Larson, B., Lautenschläger, T., le Roux, P., Leinert, V., Llana, M., Logan, A., Lowry, B., Lüdecke, T., Maretti, G., Marrocoli, S., Fernandez, R., McNeill, P.J., Meier, A.C., Meller, P., Monroe, J.C., Morgan, D., Mulindahabi, F., Murai, M., Neil, E., Nicholl, S., Niyigaba, P., Normand, E., Ormsby, L.J., Diotoh, O., Pacheco, L., Piel, A., Preece, J., Regnaut, S., Richard, F.G., Richards, M.P., Rundus, A., Sanz, C., Sommer, V., Sponheimer, M., Steele, T.E., Stewart, F.A., Tagg, N., Tédonzong, L.R., Tickle, A., Toubga, L., van Schijndel, J., Vergnes, V., Wangué Njomen, N., Wessling, E.G., Willie, J., Wittig, R.M., Yurkiw, K., Zipkin, A.M., Zuberbühler, K., Kühl, H.S., Boesch, C., & Oelze, V.M. (2024). Strontium isoscape of sub-Saharan Africa allows tracing origins of victims of the transatlantic slave trade. *Nature Communications*, 15, 10891.
72. Mitani, J.C., Angedakin, S., Kasozi, H., Rowney, C., Sarringhaus, L., Tibisimwa, J., Watts, D.P. & **Langergraber, K.E.** (2024). Removing snares is an effective conservation intervention: a case study involving chimpanzees. *Primates*, 1-7.
71. Brookes, O., Mirmehdi, M., Stephens, C., Angedakin, S., Corogenes, K., Dowd, D., Dieguez, P., Hicks, T.C., Jones, S., Lee, K., Leinert, V., Lapuente, J., McCarthy, M.S., Meier, A., Murai, M., Normand, E., Vergnes, V., Wessling, E.G., Wittig, R.M., **Langergraber, K.**, Maldonado, N., Yang, X., Zuberbühler, K., Boesch, C., Arandjelovic, M., Kuhl, H. & Burghardt, T. (2024). PanAf20K: A large video dataset for wild ape detection and behaviour recognition. *Journal of Integrative Computer Sciences*, 1-17.
70. Friederici, A.D., Wittig, R.M., Anwander, A., Eichner, C., Gräßle, T., Jäger, C., Kirilina, E., Lipp, I., Düx, A., Edwards, L.J., Girard-Buttoz, C., Jauch, A., Kopp, K.S., Paquette, M., Pine, K.J., Unwin, S., Haun, D.B.M., Leendertz, F.H., McElreath, R., Morawski, M., Gunz, P., Weiskopf, N., Crockford, C.; & **EBC Consortium** (2024). Brain structure and function: a multidisciplinary pipeline to study hominoid brain evolution. *Frontiers in Integrative Neuroscience*, 17:1299087.
69. White, L., Staedele, V., Ramirez Amaya, S., **Langergraber, K.E.**, Vigilant, L. (2024). Female chimpanzees avoid inbreeding even in the presence of substantial bisexual philopatry. *Royal Society Open Sciences*, 11, 230967.
68. Aghebatrafat, A.-A., Lauber, C., Merkel, K., Fruth, B., **Langergraber, K.E.**, Robbins, M., Wittig, R.M., Zuberbühler, K., Ehlers, B., Leendertz, F.H., Calvignac-Spencer,

- S. (2023). Evolutionary insight into the evolution of New Jersey Polyomavirus virus and humans. *Viruses*, 15, 2248.
67. Wood, B., Negrey, J.D., Brown, J. Deschner, T., Emery Thompson, M., Mitani, J.C., Watts, D.P. & **Langergraber, K.E.** (2023). Demographic and hormonal evidence for menopause in wild chimpanzees. *Science*, 382, eadd5473.
66. Negrey, J.D., Deschner, T.D. & **Langergraber, K.E.** (2023). Lean muscle mass, not aggression, mediates a link between dominance rank and testosterone in wild chimpanzees. *Animal Behaviour*, 22, 99-109.
65. Gräßle, T., Crockford, C., Eichner, C., Girard-Buttoz, C., Jäger, C., Kirilina, E., Lipp, I., Düx, A., Edwards, L., Jauch, A. and Kopp, K.S., Paquette, M., Pine, K., **EBC Consortium**, Haun, D.B.M., McElreath, R., Anwander, A., Gunz, P., Morawski, M., Friederici, A.D., Weiskopf, N., Leendertz, F.H. & Wittig, R.M. (2023). Sourcing high tissue quality brains from deceased wild primates with known socio-ecology. *Methods in Ecology and Evolution*, 14, 1906-1924.
64. Clark, I.R., Lee, K.C., Poux, T., **Langergraber, K.E.**, Mitani, J.C., Watts, D.P., Reed, J. & Sandel, A.S. (2023). White sclera is present in chimpanzees and other animals. *Journal of Human Evolution*, 176, 103322.
63. Negrey, J.D., Thompson, M.E., Dunn, C.D., Oтали, E., Wrangham, R.W., Mitani, J.C., Machanda, Z.P., Muller, M.N., **Langergraber, K.E.** & Goldberg, T.L. (2022). Female reproduction and viral infection in a long-lived mammal. *Journal of Animal Ecology*, 91, 1999-2009.
62. Samuni, L., **Langergraber, K.E.** & Surbeck, M. (2022). Characterization of *Pan* social systems reveals in-group out-group distinction and out-group tolerance in bonobos. *Proceedings of the National Academy of Sciences of the USA*, 119, e2201122119.
61. Fontseré, C., Kuhlwilm, M., Morcillo-Suarez, C., Alvarez-Estape, M., Lester, J.D., Gratton, P., Schmidt, J.M., Dieguez, P., Aebischer, T., Álvarez-Varona, P., Agbor, A., Angedakin, S., Assumang, A.K., Ayimisin, E.A., Bailey, E., Barubiyo, D., Bessone, M., Carretero-Alonso, A., Chancellor, R., Cohen, H., Danquah, E., Deschner, T., Dunn, A., Dupain, J., Egbe, V.E., Feliu, O., Goedmakers, A., Granjon, A-C., Head, J., Hedwig, D., Hermans, V., Hernandez-Aguilar, R.A., Imong, I., Jones, S. Junker, J., Kadam, P., Kaiser, M., Kambere, M., Kambale, M.V., Kalan, A.K., Kienast, I., Kujirakwinja, D., **Langergraber, K.E.**, Lapuente, J., Larson, B., Laudisoit, A., Lee, K., Llana, M., Llorente, M., Marrocoli, S., Morgan, D., Mulindahabi, F., Murai, M., Neil, E., Nicholl, S., Nixon, S., Normand, E., Orbell, C., Ormsby, L.J., Pacheco, L., Piel, A.Riera, L. Robbins, M.M., Rundus, A., Sanz, C., Sciaky, L., Sommer, V., Stewart, F.A., Tagg, N. Tédonzong, L.R., van Schijndel, J., Vergnes, V., Wessling, E.G., Willie, J., Wittig, R.M., Yuh, Y.G., Yurkiw, K., Zuberbuehler, K., Vigilant, L., Boesch, C.,

- Andrés, A.M., D.A. Hughes, H.S. Köhl, E. Lizano, Arandjelovic, M. & Marques-Bonet, T. (2022). Population dynamics and genetic connectivity in recent chimpanzee history. *Cell Genomics*, 2, 100133.
60. Negrey, J.D., Mitani, J.C., Wrangham, R.W., Otali, E., Reddy, R., Pappas, T.E., Grindle, K.A., Gern, J.E., Machanda, Z.P., Muller, M.N., **Langergraber, K.E.**, Emery Thompson, M., Goldberg, T.L. (2022). Viruses associated with ill health in wild chimpanzees. *American Journal of Primatology*, 84, e23358.
59. C. Barratt, J. Lester, P. Gratton, R. Onstein, A. Kalan, M. McCarthy, G. Bocksberger, L. White, L. Vigilant, P. Dieguez, B. Abdulai, T. Aebischer, A. Agbor, A. K. Assumang, E. Bailey, M. Bessone, B. Buys, J. S. Carvalho, R. Chancellor, H. Cohen, E. Danquah, T. Deschner, Z. N. Dongmo, O. Doumbé, J. Dupain, C. Duvall, M. Eno-Nku, G. Etoga, A. Galat-Luong, R. Garriga, S. Gatti, A. Ghiurghi, A. Goedmakers, A.-C. Granjon, D. Hakizimana, N. Haydar, J. Head, D. Hedwig, I. Herbinger, V. Hermans, S. Jones, J. Junker, P. Kadam, M. Kambi, I. Kienast, C. Y. Kouakou, K. P. N’Goran, **K. Langergraber**, J. Lapuente, A. Laudisoit, K. Lee, F. Maisels, D. Moore, B. Morgan, D. Morgan, E. Neil, S. Nicholl, L. Nkambi, A. Ntongho, C. Orbell, L. J. Ormsby, L. Pacheco, A. Piel, L. Pintea, A. Plumtre, A. Rundus, C. Sanz, V. Sommer, T. Sop, F. Stewart, J. Sunderland-Groves, N. Tagg, A. Todd, E. Ton, J. van Schijndel, H. VanLeeuwe, E. Vendras, A. Welsh, J. F. C. Wenceslau, E. Wessling, J. Willie, R. Wittig, N. Yoshihiro, Y. G. Yuh, K. Yurkiw, C. Boesch, M. Arandjelovic & H. Köhl (2021). Quantitative estimates of historical refugia for chimpanzees (*Pan troglodytes*) since the Last Interglacial (120,000 BP). *American Journal of Primatology*, 83, e23320.
58. Clark, I.R., Sandel, A.A., Reddy, R.B. & **Langergraber, K.E.** (2021). A preliminary analysis of wound care and other-regarding behavior in wild chimpanzees at Ngogo, Kibale National Park, Uganda. *Primates*, 62, 697-702.
57. Negrey, J.D., Behringer, V., **Langergraber, K.E.**, and Deschner, T. (2021). Urinary neopterin of wild chimpanzees indicates that cell-mediated immune activity varies by age, sex, and female reproductive status. *Scientific Reports*, 11, 1-11.
56. Wertheim, J.O., Hostager, R., Ryu, D., Merkel, K., Agbor, A., Angedakin, S., Arandjelovic, A., Aubert, F., Ayimisin, E., Babweteera, F., Bailey, E., Bessone, M., Boesch, C., Brazzola, G., Corogenes, K., Dieguez, P., Dunn, A., Eckardt, W., Eryenyu, D., Fruth, B., Imong, I., Haggis, O., Herbinger, I., Jeffery, K.J., Jones, S., Kuehl, H., Kujirakwinja, D., **Langergraber, K.E.**, Lee, K., Madinda, N.F., Manasseh, E.N., Maretti, G., Metzger, S., Murai, M., Ormsby, L.J., Orume, R., Regnaut, S., Robbins, M., Savary, L., Sommer, V., Stoinski, T., Tickle, A., Wessling, E.G., Wittig, R.M., Wittiger, L., Yuh, Y.G., Zuberbuehler, K., Leendertz, F.H., Calvignac-Spence, S. (2021). Discovery of novel herpes simplex viruses in wild gorillas, bonobos, and chimpanzees supports zoonotic origin of HSV-2. *Molecular Biology and Evolution*, 38, 2818-2830.

55. Lester, J.D., Vigilant, L., Gratton, P., Barratt, C., McCarthy, M.S., Boesch, C., Kuhl, H., Dieguez, P., Aebischer, T., Agbor, A., Álvarez-Varona, P., **Angedakin, S.**, Assumang, A.K., Aubert, F., Ayimisin, E.A., Bailey, E., Bamba, A., Barubiyo, D., Bessone, M., Bonnet, M., Brazzola, G., Chancello, R., Cipoletta, C., Cohen, H., Corogenes, K., Coupland, C., Curran, B., Danquah, E., Dengui, J.C., Deschner, T., Dilambaka, E., Dowd, D., Dunn, A., Dupain, J., Egbe, V.E., Eno-Nku, M., Goedmakers, A., Granjon, A-C., Head, J., Heilman, A., Hedwig, D., Hermans, V., Imong, I., Jeffery, K.J., Jones, S., Junker, J., Kadam, P., Kaiser, M., Kalan, A.K., Kambere, M., Kambi, M., Kehoe, L., Kienast, I., Kujirakwinja, D., **Langergraber, K.E.**, Lapeyre, V., Lapuente, J., Larson, B., Laudisoit, A., **Lee, K.**, Leinert, V., Llana, M., Manasseh, E.N., Marette, G., Marrocoli, S., Martín, R., Masozera, M., Meier, A., Morgan, D., Muhanguzi, G., Mulindahabi, F., Murai, M., Neil, E., Nicholl, S., Nixon, S., Niyigaba, P., Normand, E., Normand, E., Ntare, N., Nzeheke, A., Orbell, C., Ormsby, L.J., Orume, R., Pacheco, L., Piel, A., Preece, J., Regnaut, S., Robbins, M., Rundus, A., Sanz, C., Sciaky, L., Siaka, A.M., SommeR, V., Städele, V., Stewart, F., Tagg, N., Telfer, P., Terrade, E., Tickle, A., Ton, E., van Schijndel, J., Vanleeuwe, H., Vergnes, V., Vyalengerera, M.K., Wessling, E.G., Willie, J., Wittig, R.M., Yuh, Y.G., Yurkiw, K., Zuberbuehler, K. & Arandjelovic, M. (2021). Recent genetic connectivity and clinal variation in chimpanzees. *Communications Biology*, 4, 1-11.
54. Fontsière, C., Alvarez-Estape, M., Lester, J., Arandjelovic, M., Kuhlwilm, M., Dieguez, P., Agbor, A., Angedakin, S., Ayimisin, E.A., Bessone, M., Brazzola, G., Deschner, T., Eno-Nku, M., Granjon, A-C., Head, J., Kadam, P., Kalan, A.K., Kambi, M., **Langergraber, K.**, Lapuente, J., Marette, G., Ormsby, L.J., Piel, A., Robbins, M., Stewart, F., Vergnes, V., Wittig, R.M., Kühl, H.S., Marques-Bonet, T., Hughes, D.A., Lizano, E. (2021). Maximizing the acquisition of unique reads in non-invasive capture sequencing experiments. *Molecular Ecology Resources*, 21, 745-761.
53. Reddy, R., **Langergraber, K.E.**, Sandel, A., Mitani, J.C. (2021). The development of affiliative and coercive reproductive tactics in male chimpanzees. *Proceedings of the Royal Society of London Series B, Biological Sciences*, 288, 20202679.
52. Reese, A.T., Phillips-Garcia, S., Owens, L.A., Venable, E.M., Machanda, Z.P., **Langergraber, K.E.**, Mitani, J.C., Watts, D.P., Muller, M.N., Wrangham, R.W., Goldberg, T.L., Emery Thompson, M., Carmody, R.N. (2021). Age patterning in the wild chimpanzee gut microbiota reveals differences from humans in early life. *Current Biology*, 31, 613-620.
51. Kalan, A., Kulik, L., Arandjelovic, M., Boesch, C., Haas, F., Dieguez, P., Barratt, C., Abwe, E., Agbor, A., Angedakin, S., Aubert, F., Ayimisin, E., Bailey, E., Bessone, M., Brazzola, G., Ebua Buh, V., Chancellor, R., Cohen, H., Coupland, C., Curran, B., Danquah, E., Deschner, T., Dowd, D., Eno-Nku, M., Fay, J., Goedmakers, A., Granjon, A-C., Head, J., Hedwig, D., Hermans, V., Jeffery, K.,

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50. Negrey, J.D., Emery Thompson, M., **Langergraber, K.E.**, Machanda, Z.P., Muller, M.N., Otali, E., Owens, L.A., Wrangham, R.W., Goldberg, T.L. (2020). Demography, life history trade-offs, and the gastrointestinal virome of wild chimpanzees. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 375, 20190613. **Cover article.**
49. Phillips, S.R., Goldberg, T.L., Muller, M.N., Machanda, Z., Otali, E., Friant, S., Carag, J., **Langergraber, K.**, Mitani, J., Wroblewski, E., Wrangham, R., Emery Thompson, M. (2020). Fecal parasites increase with age but not reproductive effort in wild chimpanzees. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 375, 20190604. **Cover article.**
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BOOKS

1. Boyd, R., Silk, J.B, and **Langergraber, K.E.** (2023) *How Humans Evolved*. (10th ed.). W.W. Norton & Company: New York.

PEER-REVIEWED BOOK CHAPTERS

1. **Langergraber, K.E.** (2012). Kinship and cooperation in primates. In J.C. Mitani, J. Call, P.M. Kappeler, R. Palombit, and J. Silk (eds.) *The Evolution of Primate Societies*. University of Chicago Press, pp.491-513.

NON PEER-REVIEWED JOURNAL ARTICLES

1. Goldberg, T.L., Angedakin, S., Isabirye Basuta, G.M., Brown, M., Butynski, T.M., Chapman, C.A., Chapman, L., Gunter, S., Kato, I., Krief, J-M., Krief, S., Lambert, J.E., **Langergraber, K.E.**, Mitani, J.C., Muller, M.N., Nelson, S.V., Omeja, P., Otali, E., Potts, K.B., Ross, E.A., Rothman, J.M., Rowney, C., Sande, E., Struhsaker, T., Twinomugisha, D., Watts, D.P., Weny, G. and Wrangham, R.W. (2016) Remembering Jerry Lwanga: A perspective from his colleagues. *International Journal of Primatology*, 37, 131.

RESEARCH FUNDING**EXTERNAL RESEARCH GRANTS POST-PH.D**

- 2025: Association of Zoos and Aquariums Conservation Grant: **\$12,300**. Protecting Chimpanzees in Kibale National Park Through Patrols to Reduce Hunting, Logging, and Conflict with Humans, Administered through The Ngogo Chimpanzee Project, Inc. (NCP).
- 2025: Detroit Zoological Institute: Ngogo Chimpanzee Project snare removal program. **\$10,000 USD**.
- 2025: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$10,000 USD**.
- 2025: Association of Zoos and Aquariums Saving Animals from Extinction Chimpanzee Partner Funds to Ngogo Chimpanzee Project: **\$16,650.33**. Administered through NCP.
- 2024-2026: Arcus Foundation/Village Enterprises: Poverty Alleviation and Removal of Kibale Snares. **\$90,000 USD**. Administered through NCP.
- 2024: Detroit Zoological Institute: Ngogo Chimpanzee Project snare removal program. **\$10,000 USD**.
- 2024: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$10,000 USD**.
- 2023: Detroit Zoological Institute: Ngogo Chimpanzee Project snare removal program. **\$10,000 USD**.
- 2023: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$10,000 USD**.

- 2023: Association of Zoos and Aquariums Saving Animals from Extinction Chimpanzee Partner Funds to Ngogo Chimpanzee Project: **\$14,055.79**. Administered through NCP.
- 2023: Wildstar Films. Sentient grant. **\$50,400 USD**.
- 2023: Association of Zoos and Aquariums Saving Animals from Extinction Grants Fund: Protecting Chimpanzees in Kibale National Park through Anti-Poaching Patrols. **\$47,000 USD**. Administered through NCP.
- 2022: Association of Zoos and Aquariums Conservation Grants Fund: Mitigating human-chimpanzee conflict in Kibale National Park, Uganda. **\$13,000 USD**. Administered through NCP.
- 2022: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$10,000 USD**.
- 2022: Detroit Zoological Institute: Ngogo Chimpanzee Project snare removal program. **\$10,000 USD**.
- 2022: Lincoln Park Zoo. Anti-poaching at Kibale National Park, Uganda. **\$4,689 USD**. Administered through NCP.
- 2021: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$10,000 USD**.
- 2021: Detroit Zoological Institute: Ngogo Chimpanzee Project snare removal program. **\$10,000 USD**.
- 2021: Keo Films. Rise of the Warrior Apes Photo Stills grant. **\$7,000 USD**. Administered through NCP.
- 2021-2022: Leakey Foundation. Emergency funding for habituating chimpanzees for ecotourism at Buraiga, Kibale National Park, Uganda. **\$21,000 USD**.
- 2021-2024: Arcus Foundation/Village Enterprises. Anti-poaching patrols and community development in Kibale National Park, Uganda. **\$128,895 USD**.
- 2021-2022: Keo Films. Chimp Empire grant. **\$240,000 USD**.
- 2021: Lincoln Park Zoo. Anti-poaching at Kibale National Park, Uganda. **\$1,500 USD**. Administered through NCP.
- 2020: Biodiversity Consultants, Ltd.: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$4,800 USD**. Administered through NCP.

2020: Detroit Zoological Institute: Ngogo Chimpanzee Project snare removal program. **\$10,000 USD.**

2020: Association of Zoos and Aquariums Conservation Grant: Ngogo Chimpanzee Project Snare Removal Program. **\$25,000 USD.** Administered through NCP.

2020: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$10,000 USD.**

2020: Detroit Zoological Institute: Ngogo Chimpanzee Project snare removal program. **\$10,000 USD.**

2020: Biodiversity Consultants, Ltd.: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$26,600 USD.** Administered through NCP.

2019: Detroit Zoological Institute: Ngogo Chimpanzee Project snare removal program. **\$5,000 USD.**

2019: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$4,200 USD.**

2019: Biodiversity Consultants, Ltd.: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$19,897 USD.** Administered through NCP.

2018-2019: Nacey Maggioncalda Foundation Conservation and Research Grant. **\$5,000 USD.** Administered through NCP.

2018: Biodiversity Consultants, Ltd.: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$5,700 USD.** Administered through NCP.

2017-2018: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$3,500 USD.**

2017: Biodiversity Consultants, Ltd.: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$24,600 USD.** Administered through NCP.

2016-2017: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$3,500 USD.**

- 2015-2018: NIH: Biodemography of aging in wild chimpanzees. **\$2,942,881 USD**. PI Melissa Emery Thompson, additional co-PIs and senior personnel, **K.E. Langergraber** senior personnel.
- 2015-2016: Nacey Maggioncalda Foundation Conservation and Research Grant. **\$10,000 USD**. Administered through NCP.
- 2015-2016: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$7,000 USD**.
- 2015-2016: Nacey Maggioncalda Foundation Conservation and Research Grant. **\$5,000 USD**. Administered through NCP.
- 2014-2015: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$3,000 USD**.
- 2014-2016: National Geographic Society, Global Exploration Fund Northern Europe: Intersexual relationships in bonobos (*Pan paniscus*), a multi-male/multi-female society with male-female co-dominance. **€19,540**. PI Martin Surbeck, co-PI **K.E. Langergraber**.
- 2014-2017: National Science Foundation grant: Female dispersal and the importance of social relationships across the lifespan of chimpanzees. **\$376,152 USD**. PI Rebecca Stumpf, co-PI **K.E. Langergraber**.
- 2014-2015: Deutsche Forschungsgemeinschaft: Health and sociality in primates. **€2,170,571**. PI Peter Kappeler, additional co-PIs and senior personnel, **K.E. Langergraber** senior personnel.
- 2013-2015: Leakey Foundation Research Grant: Does territorial expansion following lethal inter-group aggression lead to female recruitment in chimpanzees? A test using non-invasive genetic monitoring. **\$16,228 USD**.
- 2013-2014: North Carolina Zoological Society: Snare removal and chimpanzee population monitoring at Kibale National Park, Uganda. **\$3,000 USD**.
- 2013-2014: Disney Worldwide Conservation Fund: Ngogo chimpanzee snare removal and population monitoring project. **\$25,000 USD**. Administered through NCP.
- 2013-2014: Nacey Maggioncalda Foundation Conservation and Research Grant. **\$5,000 USD**. Administered through NCP.
- 2010-2012: Leakey Foundation Research Grant: Intergroup competition and the evolution of cooperation in humans and chimpanzees. **\$20,000 USD**.

2007 – 2009: Alexander von Humboldt Foundation Post-doctoral Fellowship Research Supplement. **€19,200 EUR**

INTERNAL RESEARCH GRANTS POST-PH.D

2015-2016: Strategic Initiative Funds, Office of the President, Arizona State University: DNA and Human Origins at ASU. **\$59,081 USD.**

2010-2013: Max Planck Society: Behavioral and genetic variation in *Pan*. **€120,000 EUR.**

FUNDS RAISED THROUGH PUBLIC DONATIONS TO NGOGO CHIMPANZEE PROJECT 501(c)3 REGISTERED CHARITY (NCP)

2023: **\$35,660.09**

2022: **\$8,649.85**

2021: **\$18,271.27**

2020: **\$19,363.21**

2019: **\$32,963.24**

2018: **\$9,452**

2017: **\$7,278**

2016: **\$9,371**

2015: **\$38,269.00**

2014: **\$11,404.42**

2013: **\$8,199.91**

2012: **\$6,040.82**

2011: **\$1,137.40**

EXTERNAL RESEARCH GRANTS PRE-PH.D

2007: Leakey Foundation Research Grant: Molecular ecology of wild chimpanzees at Ngogo, Kibale National Park, Uganda. **\$8,000 USD.**

2004: Leakey Foundation Research Grant: Behavior and genetics of wild chimpanzees. **\$3,350 USD.**

2003: Wenner-Gren Foundation Ph.D Research Grant: Behavior and genetics of female Ngogo chimpanzees. **\$4,800 USD.**

INTERNAL RESEARCH GRANTS PRE-PH.D

2002: Department of Anthropology, University of Michigan, Summer Research Grant: Behavior and genetics of female Ngogo chimpanzees. **\$2,000 USD.**

2002: Rackham Graduate School, University of Michigan, Dissertation Research Grant: Behavior and genetics of female Ngogo chimpanzees **\$2,000 USD.**

2001: Rackham Graduate School, University of Michigan, Pre-dissertation Research Grant: Behavior and genetics of female Ngogo chimpanzees. **\$2,000 USD.**

FELLOWSHIPS POST-PH.D

2007 – 2009: Alexander von Humboldt Foundation Post-doctoral Research Fellowship

FELLOWSHIPS PRE-PH.D

2006 – 2007: Rackham School of Graduate Studies, University of Michigan, Graduate Fellowship.

2000 – 2002: Department of Anthropology, University of Michigan, James N. Spuhler Graduate Fellowship.

2000 – 2002: National Science and Engineering Research Council of Canada Postgraduate Scholarship.

INVITED TALKS

Langergraber, K.E. (November 29, 2023). Post-reproductive lifespans in female chimpanzees. Talk for Leakey Foundation board and executive committee meeting, Tempe, Arizona.

Langergraber, K.E. (September 21, 2023). Kinship and social relationships in human and non-human primates. Kinship and Beyond Four-field Symposium. Department of Anthropology, University of Michigan.

Langergraber, K.E. (October 25, 2023). Female reproductive aging in chimpanzees. Pan Seminar Series organized by Harvard University. Online.

Langergraber, K.E. (October 11, 2023). The Ngogo Chimpanzee Project. Association of Zoos and Aquariums Saving Animals from Extinction (Chimpanzees) Meeting. Online.

Langergraber, K.E. (April 15, 2023). Post-reproductive lifespans in female chimpanzees. Talk for Institute of Human Origins board and executive committee meeting. Institute of Human Origins, Tempe, Arizona.

Langergraber, K.E. (March 17, 2023). Chimpanzee conservation at Ngogo, Kibale National Park, Uganda. Association of Zoos and Aquariums Saving Animals from Extinction (Chimpanzees) Meeting. Online.

Langergraber, K.E. (March 17, 2023). Chimpanzee conservation at Ngogo, Kibale National Park, Uganda. Association of Zoos and Aquariums Saving Animals from Extinction (Chimpanzees) Annual Meeting. Online.

Langergraber, K.E. (April 4, 2018). Behavioral and molecular ecology of wild chimpanzees. Department of Evolutionary Anthropology, Duke University.

Langergraber, K.E. (July 4, 2017). Behavioral and molecular ecology of wild chimpanzees. Max Planck Society, Berlin, Germany.

Langergraber, K.E. (Apr. 10, 2017). Group size, reproductive skew, and collective action in chimpanzees and bonobos. Center for Behavior, Evolution, and Culture, University of California Los Angeles.

Mitani, J.C., **Langergraber, K.E.**, and Potts, K.B. (Aug. 20, 2016). Chimpanzee conservation: multiple challenges yet reason for hope. Chimpanzees in Context meeting, Lincoln Park Zoo, Chicago, IL.

Langergraber, K.E. (Nov. 10, 2014). Chimpanzees and the evolution of the unique social and mating system of humans. Social Insect Research Group Seminar, School of Life Sciences, Arizona State University.

Langergraber, K.E. (Sep. 12, 2014). Non-invasive genetic studies of wild chimpanzees. School of Life Sciences Seminar, Arizona State University.

Langergraber, K.E. (Nov. 11, 2013). The genetics and behavior of wild chimpanzees. Department of Biology Seminar, Boston University.

Langergraber, K.E. (Nov 29, 2012). Chimpanzee impacts on human evolution: generation length pushes back hominoid divergence dates & male-female dyads link to human pair-bonding. The New York Regional Primatology Colloquium Series, City University of New York.

Vigilant, L., Schubert, G., and **Langergraber, K.E.** (October 15, 2010). Cooperation, competition and genetic differentiation in humans, chimpanzees and bonobos. Biological Station of the University of Rennes-1.

Langergraber, K.E. (August 20, 2010). Estimating sex differences in effective population size in baboons and chimpanzees through contrasting patterns of genetic differentiation at sex-linked markers. Biology Department, Duke University.

Langergraber, K.E. (May 25, 2010). Proximate and ultimate perspectives on the evolution of cooperation. Wolfgang Koehler Primate Research Center.

Langergraber, K.E. (February 16, 2010). The evolution of cooperation in chimpanzees and humans. Department of Human Evolutionary Biology, Harvard University.

Langergraber, K.E., and Vigilant, L. (March 22, 2009). Intergroup competition and the evolution of cooperation in chimpanzees and humans. Santa Fe Institute, Co-evolution of institutions and behaviors working group, Santa Fe, NM, USA.

Langergraber, K.E., Mitani, J.C, and Vigilant, L. (March 28, 2008). Reproductive skew in male chimpanzees. Santa Fe Institute, Dominance, levelling and egalitarianism in primates and other animals working group, Santa Fe, NM, USA.

Langergraber, K.E. (July 20, 2007). Mutualism, reciprocal altruism, and kin selection in male chimpanzee cooperation. Max Planck Institute for Evolutionary Anthropology Invited External Speaker Series, Leipzig, Germany.

TEACHING AND MENTORING

COURSES TAUGHT

Arizona State University

ASB 101: Understanding Human Diversity

ASM 300: Anthropological Sciences Seminar

ASM 301: Peopling of the World

ASM 443: Primatology

ASB 501: Professionalism

ASM 543: Primatology (graduate level)

ASM/BIO 446/546: Principles of Human Genetics

ASM 494/591: Topic: Models in Social Evolution

Boston University

AN 102: Human Biology, Behavior, and Evolution

AN 333/733: Human Population Biology

AN 335/735: The Ape Within – Great Apes and the Evolution of Human Behavior

AN 551: Anthropology and Human Heredity

AN 597: Special Issues in Bioanthropology – The Evolution of Cooperation

AN901: Directed Studies in Anthropology

International Max Planck Research School “The Leipzig School of Human Origins”

Comparative and Molecular Primatology

POST-DOCS SUPERVISED

2019 – 2021: Veronika Staedele, Alexand von Humboldt Feodor Lynen Research Fellowship, School of Human Evolution and Social Change, Arizona State University.

2010-2011: Mimi Arandjelovic, Primatology Department, Max Planck Institute for Evolutionary Anthropology.

PH.D COMMITTEES CHAIRED

2016 – 2024: Kevin Lee, School of Human Evolution and Social Change, Arizona State University.

2017 – 2023: Sebastian Ramirez Amaya, School of Human Evolution and Social Change, Arizona State University.

PH.D COMMITTEE MEMBER

2019 – Present: Shannon Roivas, Arizona State University

2020 – Present: Savannah Troha, Arizona State University

2015 – 2020: Joel Bray, Arizona State University

2015 – 2021: Sam Patterson, Arizona State University.

2014 – 2018: Alicia Rich Stout, Indiana University.

2013 – 2019: Jacob Negrey, Department of Anthropology, Boston University.

2011–2014: Caitlin O’Connell, Boston University

2011–2014: Andrea DiGiorgio, Boston University

MASTER’S COMMITTEE MEMBER

2025 – Present: Madeleine Getz, Arizona State University

2020–2022: Savannah Troha, Arizona State University

2019–2021: Shannon Roivas, Arizona State University

2014–2015: Joel Bray, Arizona State University

2014–2015: Sam Patterson, Arizona State University

2012–2013: Anne-Celine Granjon, Max Planck Institute for Evolutionary Anthropology.

ASU UNDERGRADUATE HONORS CONTRACTS

Fall 2025 ASM 104 (Bones, Stones, and Human Evolution): 2 students

Spring 2021 ASM 104 (Bones, Stones, and Human Evolution): 4 students

Fall 2016 ASM 443 (Primatology): Jacqueline Martin

Spring 2015 ASM 446 (Principles of Human Genetics): Jillian Renslow

Spring 2015 ASM 446 (Principles of Human Genetics): Natalie Chapin

SERVICE

UNIVERSITY SERVICE

Arizona State University

Fall 2018-Spring 2020: Evolutionary Anthropology approach head
 Fall 2018-Spring 2020: Graduate/Undergraduate Committee (GUC) member
 Spring 2019: SHESC faculty search committee member
 Spring 2016 – Present: SHESC Academic conduct committee
 Fall 2016, Fall 2018, Spring 2019, Fall 2025: Evolution of Social Complexity
 Speaker Series organizer
 Oct. 27, 2016: SHESC “How to get an academic job” panel member
 Spring 2016: SHESC faculty search committee member
 Fall 2015: SHESC faculty search committee member

Boston University

Fall 2013 – Spring 2014: Anthropology undergraduate committee
 Fall 2013 – Spring 2014: Anthropology faculty search committee member (1
 search)
 Fall 2012 – Spring 2013: Anthropology faculty search committee member (1
 search)
 Fall 2011 – Spring 2012: Anthropology faculty search committee member (1
 search)
 Fall 2011 –Spring 2014: Library Committee
 Fall 2011 –Spring 2014: Bioanthropology graduate admissions committee

Max Planck Institute for Evolutionary Anthropology

Spring 2011 – Spring 2012: Academic soft skills seminar organizer

NATIONAL AND INTERNATIONAL SERVICE

2011 – Present: President, the Ngogo Chimpanzee Project, Inc., 501(c)3 (NCP)

NCP is a registered 501(c)3 non-profit organization dedicated to the scientific study and conservation of chimpanzees at Ngogo and elsewhere throughout Kibale National Park, Uganda. NCP raises money through donations from the public at our website (ngogochimpanzeeproject.org) and Facebook page (www.facebook.com/ngogochimps) and through filming fees from wildlife filmmakers. I use these funds for chimpanzee research, anti-poaching patrols, and the building and staffing of local schools in villages surrounding the park. NCP collaborates with UNITE for the Environment, a conservation-education NGO affiliated with the North Carolina Zoological Society, to educate school children and provide teacher training on wildlife conservation issues.

PEER-REVIEW

2018 – Present: Editorial Board Member, *American Journal of Primatology*

2019 – Present: Associate Editor, *Behavioral Ecology and Sociobiology*

Ad-hoc peer review:

Journals

American Journal of Physical Anthropology

American Journal of Primatology

Animals

Animal Behaviour

Behavioral Ecology and Sociobiology

Behavioral Processes

Biological Reviews

BMC Ecology

BMC Evolutionary Biology

Current Biology

Ethology

European Journal of Human Genetics

Evolution and Human Behavior

Folia Primatologica

Frontiers in Zoology

Human Nature

International Journal of Primatology

Journal of Human Evolution

Molecular Ecology

Nature Communications

Philosophical Transactions of the Royal Society of London Series B- Biological Sciences

PLoS ONE

Primates

Proceedings of the National Academy of Sciences USA

Proceedings of the Royal Society of London Series B- Biological Sciences

Science

Science Advances

Presses

Cambridge University Press

Harvard University Press

Norton

University of Chicago Press

Routledge

Wiley

Grants

Association of Zoos and Aquariums Conservation Endowment Fund

National Geographic Society

The Leakey Foundation

Swiss National Science Foundation
National Science Foundation (US)
National Science Centre, Poland
European Research Council
American Philosophical Society Lewis and Clark Fund for Exploration and Field
Research

OTHER MEDIA EXPERIENCE

- Scientific consultant and camera person for Keo Films/Netflix documentary series *Chimp Empire*. Released internationally April 2023.
- Scientific consultant and on-screen interview subject for Keo Films/Discovery International documentary film *Rise of the Warrior Apes* based on the Ngogo chimpanzees and researchers. Released Mar. 2017 in Europe, Asia, and Australia, and July 2017 in the Americas.
- Scientific consultant and on-screen interview subject for Swedish public broadcasting wildlife documentary series *Mitt i Natur* episode focusing on Ngogo chimpanzees. Released 2013.
- Scientific consultant for DisneyNature's feature-length film *Chimpanzee*, which was partially filmed at my Ngogo research site. Released 2012 in North America and 2013 worldwide.