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Research Interests

As a conservation biologist, I am interested in the evolutionary processes that generate biodiversity, the influence of environmental variability on evolutionary divergence, and how knowledge of evolutionary processes can inform conservation planning and the spatial prioritization of conservation actions. My research integrates spatial modeling and molecular genetics alongside knowledge from diverse sources and perspectives in a biocultural conservation framework, which explicitly starts with and builds upon local and Indigenous values, knowledge, and needs while recognizing the interplay between the cultural and biological parts of a system. I am also interested in developing open-source software tools to expand access to state-of-the-art research techniques for conservation practitioners, and in unlocking the enormous potential of museomic approaches for advancing conservation biology research.

Research keywords: Conservation biology; conservation biogeography; co-produced research; ecological niche modeling; biocultural conservation; biodiversity informatics; landscape genetics and ecology; molecular phylogenetics; museomics; primatology; social-ecological systems.

Education

Ph.D., Ecology, Evolution and Environmental Biology (Evolutionary Primatology), 2011, Columbia University, New York, NY.

M.A., Ecology and Evolutionary Biology, 2006, Columbia University, New York, NY.

B.A., Biology and Anthropology, 2005, Swarthmore College, Swarthmore, PA. *Phi Beta Kappa.*

Current Appointments

Director of Biodiversity Informatics Research, Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY 2016-Present

Affiliated Professor, Richard Gilder Graduate School, American Museum of Natural History, New York, NY, 2014-Present

Affiliated Professor, Dept. of Ecology, Evolution and Environmental Biology, Columbia University, New York, NY, 2014-Present

Resource Faculty, New York Consortium in Evolutionary Primatology, New York, NY, 2013-Present

Previous Appointments

Assistant Director for Research and Strategic Planning, Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY 2013-2016

Adjunct Associate Research Scientist, Earth Institute Center for Environmental Sustainability, Columbia University, New York, NY, 2013-2016.

Postdoctoral Fellow, Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY, 2011-2013

Adjunct Lecturer, Dept. of Ecology, Evolution and Environmental Biology, Columbia University, New York, NY, 2010-2012

Instructor, Columbia University High School Summer Program, New York, NY, 2010

Adjunct Lecturer, Dept. of Anthropology, Lehman College, New York, NY, 2008

Scientific Publications (Peer-reviewed Journal Articles and Books)

^Mentored student

- ^Miller, E., ^Luhrs, A., ^Mancini, A., **Blair, M.**, Pozzi, L. (Submitted). Assessing ecological divergence and speciation scenarios of the *Paragalago zanzibaricus* species complex through climatic niche modeling. *International Journal of Primatology*.
39. Kass, J., ^Pinilla-Buitrago, G., Paz, A., ^Johnson, B., ^Grisales-Betancur, V., ^Meenan, S., Attali, D., Broennimann, O., Galante, P., Maitner, B., Owens, H., Varela, S., Aiello-Lammens, M., Merow, C., **Blair, M.**, and Anderson, R.P. (In Press). *Wallace 2*: a shiny app for modeling species niches and distributions redesigned to facilitate expansion via module contributions. *Ecography* (Online Early). DOI: 10.1111/ecog.06547
38. Galante, P.J., ^Chang, S., Paz, A., Aiello-Lammens, M., ^Gerstner, B.E., ^Johnson, B.A., Kass, J.M., Merow, C., Noguera-Urbano, E.A., ^Pinilla-Buitrago, G.E., and **Blair, M.E.** (In Press). *changeRangeR*: an R package for reproducible biodiversity change metrics from species distribution estimates. *Conservation Science & Practice* (Online Early). DOI 10.1111/csp2.12863
37. Merow, C., Galante, P.J., Kass, J.M., Aiello-Lammens, M., ^Babich Morrow, C., ^Gerstner, B.E., ^Grisales-Betancur, V., Moore, A., Noguera-Urbano, E.A., ^Pinilla-Buitrago, G.E., Velasquez-Tibatá, J., Anderson, R.P., **Blair, M.E.** 2022. Operationalizing expert knowledge in species' range estimates using diverse data types. *Frontiers of Biogeography* 14.2: e53589. <https://escholarship.org/uc/item/3m7719vv>
36. Kass, J., Takashina, N., Friedman, N., Kusumoto, B., **Blair, M.** 2022. Idea Paper: improving forecasts of community composition with lightweight biodiversity monitoring across ecological and anthropogenic disturbance gradients. *Ecological Research* 37(4): 466-470. <http://doi.org/10.1111/1440-1703.12294>
35. **Blair, M.E.**, Le, M.D., Xu, M. 2022. Species distribution modeling to inform transboundary species conservation and management under climate change: promise and pitfalls. *Frontiers of Biogeography* 14.1: e54662. doi:10.21425/F5FBG54662
34. Trinh-Dinh, H., Nguyen, T.A., Le, M.D., Li, X.K., Cao, T.H.N., **Blair, M.E.** 2022. Assessment of climate change impacts on one of the rarest apes on Earth, the Cao Vit Gibbon *Nomascus nasutus*. *Frontiers of Biogeography* 14.1: e53320. <https://doi.org/10.21425/F5FBG53320>
33. **Blair, M.E.**, Galante, P.J., Tu, N.B., Le, C.S., Nguyen, H.Q. 2022. Climate change threatens the conservation of one of the world's most endangered transboundary tree species: *Magnolia grandis*. *Frontiers in Biogeography* 14.1: e51059. <http://dx.doi.org/10.21425/F5FBG51059>
32. **Blair, M.E.**, Nguyen, T.A., Le, M.D., Liu, Z., Meng, T., Horning, N., Sterling, E.J., Thach, H.M., Xu, M, Galante, P.J. 2022. Karst as an abiotic driver of the distribution of endangered François' langurs, with predictions for biological communities on karst under climate change. *Frontiers in Biogeography* 14.1: e51838. <https://doi.org/10.21425/F5FBG51838>
31. ^Hagani, J.S., Kross, S., Clark, M., Wynn-Grant, R., **Blair, M.E.** 2021. Mapping and modeling

human-black bear interactions in the Catskills region of New York using resource selection probability functions. *PLoS ONE* 16(9): e0257716. <https://doi.org/10.1371/journal.pone.0257716>.

30. ^Rivera, C.J., Macey, S.K., **Blair, M.E.**, Sterling E.J. 2021. Assessing ecological and social dimensions of success in a community-based sustainable harvest program. *Environmental Management* 67: 731–746. <https://doi.org/10.1007/s00267-021-01425-6>
29. ^Musher, L.J., Galante, P.J., Thom, G., Huntley, J.W., and **Blair, M.E.** 2020. Shifting ecosystem connectivity during the Pleistocene drove diversification and gene-flow in a species-complex of Neotropical birds (Tityridae: *Pachyramphus*). *Journal of Biogeography* 47(8): 1714-1726. <http://dx.doi.org/10.1111/jbi.13862>
28. Pozzi L., Roos, C., and **Blair, M.E.** 2020. Molecular Advances in Lorid Taxonomy and Phylogeny. In: *Evolution, Ecology and Conservation of Lorises and Pottos* (Nekaris, KAI, Burrows, AM, Editors). Cambridge University Press, Cambridge, UK. pp 57-66. [ISBN 9781108429023](https://doi.org/10.1017/9781108429023)
27. Chiou, K.L. and **Blair, M.E.** 2020. Modeling niches and mapping distributions: progress and promise of ecological niche models for primate research. In *Spatial Analysis in Field Primatology: Applying GIS at Varying Scales* (Eds. Dolins, F., Shaffer, C.A., Porter, L.M., Hickey, J.R., and N.P. Nibbelink). Cambridge University Press, Cambridge UK. ISBN 9781107062306
26. Urbina-Cardona, N., Londoño, M.C., **Blair, M.E.**, Velásquez, J., Loyola, R. and Morales-Devia, H. 2019. Species distribution modeling in Latin America: a 25-year retrospective review. *Tropical Conservation Science* 12:1-19. <https://doi.org/10.1177/1940082919854058>
25. Barrowclough, G., Groth, J., Muck, W., and **Blair, M.E.** 2019. Phylogeography and species-limits in the red-shouldered hawk (*Buteo lineatus*): Characterization of the northern Florida suture zone in birds. *Ecology and Evolution* 9(11): 6245-6258. DOI:10.1002/ece3.5190
24. Md-Zain, B.M., Mohhoyua, K.S., Aifat, N.R., Yaakop, S., Rovie-Ryan, J.J., Mohd-Ridwan, A.R., **Blair, M.E.**, Abdul-Latiff, M.A.B. 2019. Molecular Data Confirms the Presence of *Nycticebus bengalensis* on Langkawi Island, Malaysia. *Biodiversitas* 20(4):1115-1120.
23. ^Kodis, M., Galante, P., Sterling, E.J., and **Blair, M.E.** 2018. Ecological niche modeling for a cultivated plant species: A case study on taro (*Colocasia esculenta*) in Hawai'i. *Ecological Applications* 28(4): 967-977. DOI:10.1002/eap.1702
22. Thạc, H.M., Le, M.D., ^Vũ, N.B., ^Panariello, A., Sethi, G., Sterling, E.J., and **Blair, M.E.** 2018. Slow loris trade in Vietnam: Exploring diverse knowledges and values. *Folia Primatologica* 89(1): 45-62. DOI:10.1159/000481196
21. Sterling, E.J., Filardi, C., Newell, J., Albert, S., Alvira, D., Bergamini, N., Betley, E., **Blair, M.E.**, et al. 2017. Biocultural approaches to sustainability indicators: bridging local to global for human capacity and ecological resilience. *Nature Ecology and Evolution* 1:1798-1806. DOI:10.1038/s41559-017-0349-6
20. **Blair, M.E.**, Le, M.D., Sethi, G., Thạc, H.M., Nguyen, V.T.H., Amato, G., Birchette, M., Sterling, E.J. 2017. The importance of an interdisciplinary research approach to inform wildlife trade management in Southeast Asia. *BioScience* 67(11):995-1003. <https://doi.org/10.1093/biosci/bix113> Highlighted by the Editor: <https://doi.org/10.1093/biosci/bix129>
19. **Blair, M.E.**, Le, M.D., Thạc, H.M., ^Panariello, A., ^Vũ, N.B., Birchette, M., Sethi, G., Sterling, E.J. 2017. Applying systems thinking to inform studies of wildlife trade in primates. *American Journal of Primatology* 79(11): e22715. DOI: 10.1002/ajp.22715
18. **Blair, M.E.**, Le, M.D., Sterling, E.J. 2017. Multidisciplinary studies of wildlife trade in primates:

- Challenges and priorities. *American Journal of Primatology* 79(11): e22710.
<https://doi.org/10.1002/ajp.22710>
17. Phillips, S., Anderson, R.P., Dudik, M., Schapire, R., and **Blair, M.E.** 2017. Opening the black box: an open-source release of Maxent. *Ecography* 40(7):887-893. DOI:[10.1111/ecog.03049](https://doi.org/10.1111/ecog.03049). *Web of Science "Highly Cited Paper" for 2019-2020. 1488 citations as of Dec '22
 16. Sterling, E.J., Betley, E., Sigouin, A., Gomez, A., Toomey, A., Pekar, A., ^Malone, C., Cullman, G., Arengo, F., **Blair, M.**, Filardi, C., Landrigan, K., and Porzecanski, A.L. 2017. Assessing the evidence for stakeholder engagement in biodiversity conservation. *Biological Conservation* 209: 159-71.
<http://dx.doi.org/10.1016/j.biocon.2017.02.008>
 15. Geller, G.N., Halpin, P.N., Helmuth, B., Hestir, E.L., Skidmore, A., Abrams, M.J., Aguirre, N., **Blair, M.**, Botha, E., Colloff, M., Dawson, T., Franklin, J., Horning, N., James, C., Magnusson, W., Santos, M.J., Schill, S.R., and Williams, K. 2016. Remote Sensing for Biodiversity. In Walters, M. and Scholes, R.J., eds., Chapter 8 in *The GEO Handbook on Biodiversity Observation Networks*, Springer, Cham, Switzerland, pp 187-210. Full text available at: <http://www.springer.com/us/book/9783319272863>
 14. Foster, M.J., **Blair, M.E.**, Bennett, C., Bynum, N., and Sterling, E.J. 2014. Increasing the Diversity of U.S. Conservation Science Professionals via the Society for Conservation Biology. *Conservation Biology* 28:288-291. DOI:[10.1111/cobi.12182](https://doi.org/10.1111/cobi.12182).
 13. **Blair, M.E.**, Sterling, E.J., ^Dusch, M., Raxworthy, C., and Pearson, R.G. 2013. Ecological divergence and speciation in *Eulemur* sister species. *Journal of Evolutionary Biology* 26(8):1790-1801. DOI:[10.1111/jeb.12179](https://doi.org/10.1111/jeb.12179).
 12. Sterling, E.J., Bynum, N., and **Blair, M.E.** editors. 2013. *Primate Ecology and Conservation: A Handbook of Techniques*. Series in Techniques in Ecology and Conservation. Oxford University Press, Oxford, UK.
<http://ukcatalogue.oup.com/product/9780199659456.do#.UWP0yKuPh90>
 11. **Blair, M.E.** and Morales-Jimenez, A.L. 2013. Population genetics, molecular phylogenetics, and phylogeography. In Sterling, E.J., Bynum, N., and **Blair, M.E.** eds., *Primate Ecology and Conservation: A Handbook of Techniques*. Series in Techniques in Ecology and Conservation. Oxford University Press, Oxford, UK, pp. 238-256.
 10. **Blair, M.E.**, Bynum, N., and Sterling, E.J. 2013. Determining conservation status and contributing to *in situ* conservation action. In Sterling, E.J., Bynum, N., and **Blair, M.E.**, eds., *Primate Ecology and Conservation: A Handbook of Techniques*. Series in Techniques in Ecology and Conservation. Oxford University Press, Oxford, UK, pp. 278-293.
 9. Sterling, E.J., Bynum, N., and **Blair, M.E.** 2013. Introduction. *Primate Ecology and Conservation: A Handbook of Techniques*. Series in Techniques in Ecology and Conservation. Oxford University Press, Oxford, UK, pp.1-9.
 8. Sterling, E.J., Bynum, N., and **Blair, M.E.** 2013. Conclusion: Studying Primates in a Changing World. *Primate Ecology and Conservation: A Handbook of Techniques*. Series in Techniques in Ecology and Conservation. Oxford University Press, Oxford, UK, pp. 346-350.
 7. **Blair, M.E.**, Gutierrez-Espeleta, G., and Melnick, D.J. 2013. Subspecies of the Central American Squirrel Monkey (*Saimiri oerstedii*) as units for conservation. *International Journal of Primatology* 34(1): 86-98. DOI:[10.1007/s10764-012-9650-z](https://doi.org/10.1007/s10764-012-9650-z)
 6. **Blair, M.E.**, Rose, R.A., Ersts, P., Sanderson, E.W., Redford, K.H., Didier, K., Sterling, E.J., and Pearson, R.G. 2012. Incorporating climate change into conservation planning: Identifying priority areas across a species' range. *Frontiers in Biogeography* 4(4): 157-167.
<http://escholarship.org/uc/item/5bx4919t>

5. **Blair, M.E.** and Melnick, D.J. 2012. Scale-dependent Effects of a Heterogeneous Landscape on Genetic Differentiation in the Central American Squirrel Monkey (*Saimiri oerstedii*). *PLoS ONE* 7(8): e43027. DOI:10.1371/journal.pone.0043027.
4. ^Bett, N., **Blair, M.E.**, and Sterling, E.J. 2012. Ecological niche conservatism in doucs (genus *Pygathrix*). *International Journal of Primatology* 33(4): 972-988. DOI:10.1007/s10764-012-9622-3
3. **Blair, M.E.** and Melnick, D.J. 2012. Genetic evidence for dispersal by both sexes in the Central American Squirrel Monkey, *Saimiri oerstedii citrinellus*. *American Journal of Primatology* 74(1): 37-47. DOI:10.1002/ajp.21007. Selected as a featured article: <https://www.asp.org/research/ajp/archivedabstracts.cfm?news=34>
2. **Blair, M.E.**, Sterling, E.J., and Hurley, M.M. 2011. Taxonomy and conservation of Vietnam's primates: A review. *American Journal of Primatology* 73(11): 1093-1106. DOI:10.1002/ajp.20986
1. Grobler, P., Jacquier, M., deNys, H., **Blair, M.**, Whitten, P.L., and Turner, T.R. 2006. Primate sanctuaries, taxonomy and survival: a case study from South Africa. *Ecological and Environmental Anthropology* 2(2): 12-16.

Other Scientific Publications (* indicates peer-reviewed)

- *9. +SEARCH and Justin, W. 2022. Consequences of rapid environmental Arctic change for people. Arctic Report Card 2022, pp 123-129 (M. L. Druckenmiller, T. A. Moon, and R. L. Thoman, Eds.). National Oceanic and Atmospheric Administration (NOAA), Washington, D.C. <https://doi.org/10.25923/kgm2-9k50>. Available at: <https://www.arctic.noaa.gov/Report-Card> +Study of Environmental Arctic Change: <https://searcharcticsscience.org/product/consequences-of-rapid-environmental-arctic-change-for-people/>
8. **Blair, M.E.**, Galante, P.J., Nguyen, T.A., Xu, M., and Le, M.D. 2022. Policy Brief: Conservation of vulnerable species and habitats in the Sino-Vietnamese border region: Addressing climate change threats through collaborative transboundary conservation. Center for Biodiversity and Conservation of the American Museum of Natural History, New York, NY. 8pp.
- *7. **Blair, M.**, Nadler, T., Ni, O., Samun, E., Streicher, U. and Nekaris, K.A.I. 2020. *Nycticebus pygmaeus*. The IUCN Red List of Threatened Species 2020: e.T14941A17971417. <https://www.iucnredlist.org/species/14941/17971417>
- *6. Nekaris, K.A.I., Al-Razi, H., **Blair, M.**, Das, J., Ni, Q., Samun, E., Streicher, U., Xue-long, J. and Yongcheng, L. 2020. *Nycticebus bengalensis*. The IUCN Red List of Threatened Species 2020: e.T39758A17970536. <https://www.iucnredlist.org/species/39758/17970536>
5. **Blair, M.E.** 2019. Towards more equitable and inclusive spaces for primatology and primate conservation. *International Journal of Primatology* 40: 462-464. <https://doi.org/10.1007/s10764-019-00093-y>
4. Arengo, F., Porzecanski, A.L., **Blair, M.**, Amato, G., Filardi, C., and Sterling, E.J. 2018. The essential role of museums in wildlife conservation. In *The Future of Natural History Museums* (Dorfman, E., Ed.), pp. 82-100. ICOM Advances in Museum Research Series. Routledge, New York.
3. Sterling, E.J., Betley, E., Gomez, A., Sigouin, A., ^Malone, C., Arengo, F., **Blair, M.**, Cullman, G., Filardi, C., Landrigan, K., Roberts, K., and Porzecanski, A.L. 2016. Measuring Impact: Stakeholder Engagement for Biodiversity Goals; Assessing the Status of the Evidence.

Biodiversity Technical Brief, United States Agency for International Development (USAID), Washington, D.C., April 2016.

2. **Blair, M.E.** 2011. Habitat modification and gene flow in *Saimiri oerstedii*: Landscape genetics, intraspecific molecular systematics, and conservation. Ph.D. Dissertation, Columbia University, New York, NY. 205 p. Columbia University Academic Commons <http://dx.doi.org/10.7916/D8C8292K>.
1. **Blair, M.** 2005. Genetics and Nonhuman Primate Conservation: Using Biological Research to Inform Conservation Practice. Undergraduate Thesis, Swarthmore College, Swarthmore, PA.

Presentations and Published Abstracts

^Mentored student

72. Nguyen, T.A., Le, M.D., **Blair, M.E.** 2022. Assessment of climate change impacts on two endemic primates in Vietnam. 8th Asian Primate Symposium. Podium Presentation. Hanoi, Vietnam. 13-16 November, 2022.
71. ^Dobson, K.M., Carlos-Shanley, C., **Blair, M.E.** 2022. Human Proximity Impacts on Wild *Saimiri* Gut Microbiome. Podium Presentation. Texas Association of Biological Anthropologists Annual Meeting, Austin, TX, 11-12 November, 2022.
70. **Blair, M.E.**, Aiello-Lammens, M.E., ^Chang, S., Ersts, P.J., Galante, P.J., ^Gerstner, B.E., ^Grisales-Betancur, V., Horning, N., ^Johnson, B., Kass, J.M., Merow, C., López-Lozano, D., Suarez-Valencia, E., Noguera-Urbano, E.A., Paz, A., ^Pinilla-Buitrago, G.E., Velásquez-Tibatá, J., and Anderson, R.P. 2022. Expanding *Wallace* species distribution modeling software to calculate biodiversity change indicators for conservation management and planning. Podium Presentation (Virtual). International Biogeography Society Annual Meeting, Vancouver, Canada. 5 June, 2022.
69. **Blair, M.E.**, Galante, P.J., Aiello-Lammens, M.E., ^Chang, S., Ersts, P.J., ^Gerstner, B.E., ^Grisales-Betancur, V., Horning, N., ^Johnson, B.A., Kass, J.M., Merow, C., López-Lozano, D., Suarez-Valencia, E., Noguera-Urbano, E.A., Paz, A., ^Pinilla-Buitrago, G.E., Velásquez-Tibatá, J., and Anderson, R.P. 2022. Expanding the *Wallace* species distribution modeling software to calculate metrics of biodiversity change for conservation management and planning. Podium Presentation (Virtual). North American Congress for Conservation Biology. Reno, NV. 20 July, 2022
68. **Blair, M.E.**, Le, M.D., ^Penna, A., Everson, K.M., Weisrock, D.W., Pozzi, L. 2022. Unlocking museum collections for primate phylogenomics and conservation: case studies from loriform primates. Podium Presentation. American Society of Primatologists Annual Meeting, Denver, CO. 25-28 August, 2022.
67. ^Dobson, K.M., Carlos-Shanley, C., Schapiro, S.J., Lambeth, S., Burges, C., Clark, P., **Blair, M.E.** 2022. A First Glimpse of the Captive *Saimiri* Gut Microbiome – Preliminary Data. Podium Presentation. American Society of Primatologists Annual Meeting, Denver, CO. 25-28 August, 2022.
66. Pozzi, L., ^Pringle, K., ^Penna, A., Everson, K.M., Weisrock, D.W., **Blair, M.E.** 2022. Unlocking the past: museomics of African galagids. Poster Presentation. Annual Meeting of the American Association of Biological Anthropologists. Denver, Colorado. 26 March, 2022. Abstract Published: *American Journal of Biological Anthropology*, 177, S73, p. 147.
65. ^Miller, E., ^Luhrs, A., **Blair, M.**, Pozzi, L. 2022. The Power of the Senses: Using Ecological Niche Modeling to Evaluate the Role of Sensory Drive in the Divergence of Dwarf Galagos (*Paragalago* spp.). Annual Meeting of the American Association of Biological Anthropologists. Denver, Colorado. 26 March, 2022. Abstract Published: *American Journal of Biological Anthropology*, 177, S73, p. 125.

64. Brown, M., Schmitt, C., Loyola, L., Douglas, L., **Blair, M.E.** 2022. Faculty preferences for fieldwork experience in graduate program applications. Annual Meeting of the American Association of Biological Anthropologists. Denver, Colorado. 26 March, 2022. Abstract Published: *American Journal of Biological Anthropology*, 177, S73, p27.
63. ^Decamp, R.M., ^Trujillo, A.E., ^Tilton, K.M., **Blair, M.E.**, Pozzi, L., Disotell, T.R., Tosi, A.J., Burrell, A.S., Bergey, C.M. 2022. The Impacts of Mating System on Sperm Gene Evolution in Primates. Annual Meeting of the American Association of Biological Anthropologists. Denver, Colorado. 26 March, 2022. Abstract Published: *American Journal of Biological Anthropology*, 177, S73, p42.
62. ^Tilton, K.M., ^Trujillo, A.E., ^Decamp, R.M., **Blair, M.E.**, Pozzi, L., Disotell, T.R., Tosi, A.J., Burrell, A.S., Bergey, C.M. 2022. Adaptive evolution of Plasmodium- associated genes in primates. Annual Meeting of the American Association of Biological Anthropologists. Denver, Colorado. 26 March, 2022. Abstract Published: *American Journal of Biological Anthropology*, 177, S73, p186.
61. **Blair, M.E.**, Le, M.D., ^Cao, G.T.H., ^Lopez, E.H., ^Veronese, D.A., Kenyon, M., Md-Zain, B.M., Munds, R., Nekaris, K.A.I., Nijman, V., Roos, C., Thach, H.M., and Sterling, E.J. 2022. Revisiting Molecular Phylogenetic Relationships among Slow Lorises (Genus *Nycticebus*): Unveiling Novel Genetic Diversity. Podium Presentation, International Primatological Congress, Quito, Ecuador. 11 January, 2022 [Virtual].
60. ^Pinilla-Buitrago, G.E., Kass, J.M., ^Paz, A. ^Johnson, B., ^Grisales Betancur, V., Merow, C. ^Meenan, S.I., Broennimann, O. Varela, S., Maitner, B.S., Owens, H.L., Galante, P.J., Aiello-Lammens, M.E., **Blair, M.E.**, and Anderson, R.P. 2021. *Wallace* v2: Restructuring and new features for a modular and expandable species distribution modeling application. Podium Presentation, International Biogeography Society Early Career Conference. 23 October, 2021 [virtual].
59. **Blair, M.E.**, Galante, P.J., Aiello-Lammens, M.E., Chang, S., Ersts, P.J., ^Gerstner, B.E., ^Grisales-Betancur, V., Horning, N., Johnson, B., Kass, J.M., Merow, C., López-Lozano, D., Suarez-Valencia, E., Noguera-Urbano, E.A., ^Paz, A., ^Pinilla-Buitrago, G.E., Velásquez-Tibatá, J., and Anderson, R.P. 2021. Expanding *Wallace* species distribution modeling software as a tool for assessment and reporting by Biodiversity Observation Networks. Poster Presentation, AmeriGEO Week, El Salvador Ministry of the Environment and Natural Resources. 23-27 August, 2021 [Virtual].
58. **Blair, M.E.**, Galante, P.J., Aiello-Lammens, M.E., ^Babich Morrow, C. Ersts, P., ^Gerstner, B.E., ^Grisales-Betancur, V., Horning, N., Kass, J.M., Merow, C., López-Lozano, D., Suarez-Valencia, E., Noguera-Urbano, E.A., ^Paz, A., ^Pinilla-Buitrago, G.E., Velásquez-Tibatá, J., and Anderson, R.P. 2020. Expanding *Wallace* species distribution modeling software to calculate biodiversity change indicators for conservation management and planning. 5th North American Congress for Conservation Biology. Oral Presentation. Denver, Colorado. 29 July, 2020.
57. Groom, M., Gallo, T., and **Blair, M.E.** 2020. Creating Supportive Workplaces for All Conservationists: Individual and institutional allyship strategies. 5th North American Congress for Conservation Biology. Invited Oral Presentation to the Interactive Session "Expanding Boundaries Through Allyship in Conservation Biology". Denver, Colorado. 29 July, 2020.
56. **Blair, M.E.**, Galante, P.J., Aiello-Lammens, M.E., ^Babich Morrow, C. Ersts, P., ^Gerstner, B.E., ^Grisales-Betancur, V., Horning, N., Kass, J.M., Merow, C., López-Lozano, D., Suarez-Valencia, E., Noguera-Urbano, E.A., ^Paz, A., ^Pinilla-Buitrago, G.E., Velásquez-Tibatá, J., and Anderson, R.P. 2020. Expanding *Wallace* species distribution modeling software as a BON in a Box tool for national BON assessment and reporting. Invited Oral Presentation. GEO BON Open Science / All Hands Meeting. Leipzig, Germany. 6 July, 2020.

55. Galante, P.J., Merow, C., Kass, J.M., Aiello-Lammens, M.E., Ersts, P., Gerstner, B.E., Horning, N., Pinilla Buitrago, G.E., Velásquez-Tibatá, J., Anderson, R.P., **Blair, M.E.** 2019. Expanding *Wallace* species distribution modeling software to support national biodiversity change indicator calculations. Podium presentation. International Biogeography Society Humboldt-250 Meeting. Quito, Ecuador. 5 – 9 August 2019.
54. Babich Morrow, C., J.M. Kass, P.J. Galante, and **M.E. Blair**. 2019. Delineating parapatric ranges using species distribution models and support vector machines: an example with three-toed sloths. Podium presentation. International Biogeography Society Humboldt-250 Meeting. Quito, Ecuador. 5 – 9 August 2019.
53. Porzecanski, A.L., Arengo, F., **Blair, M.**, Sterling, E.J., Amato, G. and Filardi, C. 2019. The essential role of museums in wildlife conservation. Oral presentations at the VII Symposium of Natural History Museums, XII International Convention on Environment and Development. Havana, Cuba. 1-5 July 2019.
52. Babich Morrow, C., Galante, P.J., Kass, J.M., and **Blair, M.E.** 2019. Improving species range estimates for an arboreal species group with a parapatric distribution. Poster presentation. 99th meeting of the American Society of Mammalogists. Washington, D.C. 29 June – 2 July 2019.
51. Musher, L.J., Galante, P.J., **Blair, M.E.**, Huntley, J., and Thom, G.. 2019. Testing the causes of speciation with gene flow in a Neotropical avian species pair. Poster Presentation. American Ornithological Societies Meeting. Anchorage, AK. 24 June – 28 June, 2019.
50. Galante, P.J., Merow, C., Kass, J.M., Gerstner, B.E., Pinilla-Buitrago, G.E., Aiello-Lammens, M.E., Horning, N., Ersts, P., Velasquez-Tibata, J., Anderson, R.P., and **Blair, M.E.** 2019. Expanding *Wallace* species distribution modeling software to support national biodiversity change indicator calculations for GEO BON assessment and reporting. Invited talk. 1st Symposium on Asian Biodiversity Data and Research. City College of New York, CUNY. New York, NY. 28 January, 2019.
49. Galante, P.J., **Blair, M.E.**, and Sterling, E.J. 2019. Applying GIS and Remote Sensing to Conservation and Improving Ecological Niche Models. Guest lecture in Zoogeography, Graduate Center, CUNY. New York, NY. 2 April 2019.
48. Galante, P.J., Merow, C., Kass, J.M., Gerstner, B.E., Pinilla-Buitrago, G.E., Aiello-Lammens, M.E., Horning, N., Ersts, P., Velasquez-Tibata, J., Anderson, R.P., and **Blair, M.E.** 2018. Expanding *Wallace* species distribution modeling software to support national biodiversity change indicator calculations for GEO BON assessment and reporting. Poster Presentation. 100th meeting of the American Geophysical Union. Washington DC. 10–14 December 2018.
47. Pinilla-Buitrago, G.E., Kass, J.M., Johnson, E., Galante, P.J., Horning, N., Ersts, P., Merow, C., Gerstner, B.E., Aiello-Lammens, M.E., Velásquez-Tibatá, J., **Blair, M.E.**, and Anderson, R.P. 2018. *Wallace*: un software para estimar la distribución de especies y cuantificar cambios en la biodiversidad. Podium Presentation. Colombian Congress of Zoology. Bogota, Colombia. 3 Dec 2018.
46. **Blair, M.E.** 2018. Moving beyond diversity to inclusion: recommendations for the International Primatological Society. Roundtable: Diversity and Inclusion in Primatology. International Primatological Society Congress, Nairobi, Kenya. August 2018.
45. **Blair, M.E.**, Galante, P.J., Le Duc Minh, Sterling, E.J., Horning, N., and Xu, M. 2018. Ecological niche models to inform primate conservation under climate change: promise and pitfalls. Symposium: Clima-primatology: primates and climate change. International Primatological Society Congress, Nairobi, Kenya. August 2018.

44. [^]Kodis, M., Galante, P.J., Sterling, E.J., and **Blair, M.E.** 2018. Ecological niche modeling for a cultivated plant species: A case study on taro (*Colocasia esculenta*) in Hawai'i. North American Congress in Conservation Biology, Toronto, July 2018.
43. [^]Ford, C., **Blair, M.E.**, Horning, N., Galante, P.J. 2018. Environmental drivers of sweet potato leaf folder (*Herpetogramma hipponalis*) garden crop devastation in the Solomon Islands. North American Congress in Conservation Biology, Toronto, July 2018.
42. [^]Ford, C., **Blair, M.E.**, Horning, N., Galante, P.J. 2018. Investigating sweet potato leaf folder crop destruction in the Solomon Islands. Society for Conservation GIS Annual Meeting, Monterrey, July 2018.
41. [^]Ford, C., Horning, N., **Blair, M.E.** 2018. Investigating the spatial-environmental drivers of sweet potato crop devastation by *Herpetogramma hipponalis* in the Solomon Islands. Association of American Geographers Annual Meeting. New Orleans, LA, April 2018.
40. **Blair, M.E.**, Anderson, R.P., Kass, J.M., [^]Gerstner, B., [^]Pinilla-Buitrago, G., Aiello-Lammens, M., Merow, C., Horning, N., Galante, P., Ersts, P., and Velásquez-Tibatá, J. 2018. Expanding *Wallace* modeling software to support national biodiversity change indicator calculations for GEO BON assessment and reporting. Invited Poster Presentation. NASA Biodiversity and Ecological Forecasting Team Meeting, Washington, D.C. 24-26 April, 2018.
39. Thach, H.M., Le, M.D., [^]Vu, N.B., [^]Panariello, A., Sethi, G., Sterling, E.J., **Blair, M.E.** 2017. Slow loris trade in Vietnam: Exploring diverse knowledges and values. Student Conference on Conservation Science – New York. New York, NY, 11-13 October 2017.
38. Sigouin, A., Sterling E.J., Betley E., Gomez A., Toomey A., Cullman G., [^]Malone C., Pekor, A. Arengo F., **Blair M.**, Filardi C., Gazit N., Landrigan K., Porzecanski A.L. 2017. How does engaging stakeholders affect conservation outcomes? An analysis of evidence. Poster presentation. Student Conference on Conservation Science (SCCS) 2017. New York. New York, NY. 11-13 October 2017.
37. [^]Cao, G., **Blair, M.**, Le, M., and Nekaris, K.A.I. 2017. Conservation of the Slow Loris *Nycticebus* spp. at the Genetic Level: Phylogenetics, Phylogeography and Population Genetics. Poster Presentation at the European Federation for Primatology. University of Strasbourg, France. 21-25 August, 2017. Abstract Published: *Folia Primatologica* 88 (2): 170.
36. **Blair, M.E.**, Galante, P.J., Herrera, J., Raxworthy, C., Sterling, E.J., Pearson, R. 2017. Using phylogenetic endemism for conservation priority-setting: Clades, climate, and scale matter. International Congress for Conservation Biology, Cartagena, Colombia. 23-27 July, 2017.
35. Arengo, F., Amato, G., **Blair, M.E.**, Filardi, C., Porzecanski, A.L., Sterling, E.J. 2017. Conservation strategies at natural history museums: An overview. International Congress for Conservation Biology, Cartagena, Colombia. 23-27 July, 2017.
34. Porzecanski, A.L., Arengo, F., **Blair, M.E.**, Sterling, E.J. 2017. Capacity development, conservation and museums. International Congress for Conservation Biology, Cartagena, Colombia. 23-27 July, 2017.
33. **Blair, M.E.**, Le, M.D., Thach, H.M., [^]Panariello, A., [^]Vu, N.B., Birchette, M., Sterling, E.J., Sethi, G. 2016. Slow loris trade in Vietnam: Examining drivers and scales of trade with an interdisciplinary approach. Podium presentation at the International Primatological Society Congress, Chicago, IL. August, 2016.
32. **Blair, M.E.**, Thach, H.M., [^]Vu, N.B., [^]Panariello, A., Le, M.D., Sterling, E.J., Sethi, G. 2016. Wildlife trade management and ethnoprimateology in Vietnam: Exploring different knowledges and values in a social-ecological systems framework. Podium presentation at the Society for Applied Anthropology Annual Meeting, Vancouver, BC, Canada. March, 2016.

31. ^Cao, G.T.H., **Blair, M.E.**, Sterling, E.J., Le, M.D., ^Nguyen, T.V. 2015. Inferring genetic diversity of threatened slow loris populations in Vietnam. Student Conference on Conservation Science - New York. New York, NY. October 2015.
30. **Blair, M.E.**, Thach, H.M., ^Vu, N.B., Le, M.D., Sethi, G., Sterling, E.J. 2015. Slow loris trade in Vietnam: Examining drivers and trade networks. Association for Environmental Studies and Sciences Annual Meeting. San Diego, CA. July, 2015.
29. **Blair, M.E.**, Thach, H.M., ^Vu, N.B., ^Panariello, A., Le, M.D., Sterling, E.J., Sethi, G. 2015. Comparing wildlife trade networks, prices, and drivers across geographic scales in Vietnam - Podium Presentation at the Association of American Geographer's Meeting, Chicago, IL. April 2015.
28. Sterling, E.J., Filardi, C.E., Betley, E., Gazit, N., Jupiter, S., Cullman, G., Caillon, S., Esbach, M., **Blair, M.E.**, Woltz, H., Albert, S., Horning, N., McCarter, J., Pikacha, P., Mauli, S., Sirikolo, M. 2015. Biocultural indicators of resilience: linking across scales. Presentation: International Society of Tropical Foresters (ISTF), Yale School of Forestry and Environmental Studies chapter, New Haven, CT. January 2015.
27. **Blair, M.E.** and Sterling, E.J. 2014. Ecological niche evolution and speciation processes in primates. Podium presentation at the Northeastern Evolutionary Primatology Group conference, New Brunswick, NJ. 7-8 Nov, 2014.
26. ^López, E.H., Le, M.D., ^Nguyen, T.V, ^Duong, H.T., ^Cao, G.T.H, Sterling, E.J., and ***Blair, M.E.** 2014. Inferring molecular phylogenetic relationships among endangered slow lorises (genus *Nycticebus*). Poster presentation at the Society for Conservation Biology Asia Section Meetings, Melaka, Malaysia. August 2014. *=presenter.
25. Le, M.D., Thach, H.M., Nguyen, V.H., Amato, G., DeSalle, R., Sethi, G., Birchette, M., Sterling, E.J., and **Blair, M.E.** 2014. DNA barcoding as a part of an interdisciplinary research approach to facilitate improved wildlife trade management. Podium presentation at the Society for Conservation Biology Asia Section Meetings, Melaka, Malaysia. August 2014.
24. ^Matthews, L.C., Le, M.D., ^Lopez, E.H., Bergey, C.M., Sterling, E.J., and **Blair, M.E.** 2014. The utility of nuclear introns to diagnose among slow loris species (genus *Nycticebus*). Podium presentation at the International Primatological Congress, Hanoi, Vietnam. August 2014.
23. ^López, E.H., Le, M.D., ^Nguyen, T.V, ^Duong, H.T., ^Cao, G.T.H, Sterling, E.J., and **Blair, M.E.** 2014. Inferring molecular phylogenetic relationships among slow lorises (genus *Nycticebus*) using mitochondrial DNA sequence data. Poster presentation at the International Primatological Congress, Hanoi, Vietnam. August 2014.
22. **Blair, M.E.**, Sterling, E.J., ^Dusch, M., Raxworthy, C. and R.G. Pearson. 2014. Inferring speciation process from ecological niche evolution: A case study of lemurs in Madagascar. Podium presentation at the International Primatological Congress, Hanoi, Vietnam, August 2014.
21. Le, M.D., Thach, H.M., Nguyen, V.H., Amato, G., DeSalle, R., Sethi, G., Birchette, M., Sterling, E.J., and **Blair, M.E.** 2014. DNA barcoding and forensic tools as a part of an interdisciplinary research approach to facilitate improved wildlife trade management. Podium presentation at the International Primatological Congress, Hanoi, Vietnam, August 2014.
20. Cullman, G., **Blair, M.E.**, Filardi, C., Landrigan, K., Newell, J., Sterling, E.J. 2014. Exploring the boundaries of a biocultural approach to conservation. Podium presentation at the Society for Conservation Biology North America Section Congress, Missoula, Montana. July 2014.
19. ^Matthews, L.C., Le, M.D., ^Lopez, E.H., Bergey, C.M., Sterling, E.J., and **Blair, M.E.** 2014. 2014. Species Identification and Evolutionary History of Slow Lorises (genus *Nycticebus*) as

- Inferred by Nuclear Introns. Podium presentation at the American Association of Physical Anthropologists Annual Meeting, Calgary, Alberta, Canada. April 2014. Abstract Published: *American Journal of Physical Anthropology* 153 (Suppl.178-179).
18. ^López, E.H., Le, M.D., ^Nguyen, T.V., ^Duong, H.T., ^Cao, G.T.H, Sterling, E.J., and **Blair, M.E.** 2014. Phylogenetic relationships among slow lorises (genus *Nycticebus*) inferred from mitochondrial DNA sequence analysis. Poster presentation at the Ivy Plus Symposium, Cambridge, MA. March 2014.
 17. **Blair, M.E.**, Sterling, E.J., ^Dusch, M., Raxworthy, C.J., and Pearson, R.G. 2013. Using ecological niche models to infer evolutionary processes and inform conservation: A case study of lemurs in Madagascar. Podium presentation at the 2013 International Congress on Conservation Biology, Baltimore, MD. 21-25 July, 2013.
 16. ^Escovar, T., **Blair, M.E.**, and Pearson, R.G. 2012. Assessing the predictive ability of ecological niche models using data from the north slope of Alaska. Poster presentation at the 2012 Society for Conservation Biology North America Congress, Oakland, CA. 15-18 July, 2012.
 15. Foster, M.J., **Blair, M.E.**, Bennett, C., Bynum, N., and Sterling, E.J. 2012. Increasing Diversity in Conservation Science through Education Policy: Barriers to Success and Ways Forward. Podium presentation at the 2012 Black Environmental Thought Conference, Minneapolis, MN.
 14. Foster, M.J., **Blair, M.E.**, Bennett, C., Bynum, N., and Sterling, E.J. 2012. Increasing Diversity in Conservation Science through Education Policy: Barriers to Success and Ways Forward. Poster presentation at the 2012 Yale Bouchet Conference on Diversity in Graduate Education, Yale University, New Haven, CT.
 13. **Blair, M.**, Rose, R., Ersts, P., Sanderson, E., Redford, K., Didier, K., Sterling, E. and Pearson, R.G. 2011. Incorporating climate change into conservation planning: a case study in Range Wide Priority Setting. Podium presentation at the 2011 Society for Conservation GIS Annual Meeting, Big Bear Lake, CA.
 12. **Blair, M.**, Rose, R., Ersts, P., Redford, K., Sanderson, E., and Pearson, R.G. 2011. Incorporating climate change into conservation planning: a case study in Range Wide Priority Setting. Podium presentation at the 2011 Association of American Geographers Annual Meeting, Seattle, WA.
 11. **Blair, M.** 2010. Landscape genetics and biological corridors in *Saimiri oerstedii*. Podium presentation at the 2010 Student Conference on Conservation Science – New York (SCCS-NY), American Museum of Natural History, New York, NY.
 10. ^Bett, N., **Blair, M.**, and Sterling, E.J. 2010. Ecological niche modeling of grey-shanked doucs (*Pygathrix cinerea*) in Vietnam. Poster presentation at the 2010 Student Conference on Conservation Science – New York (SCCS-NY), American Museum of Natural History, New York, NY.
 9. **Blair, M.** and Melnick, D.J. 2010. Landscape heterogeneity influences gene flow in the Central American Squirrel Monkey. *Primate Research* 26 (Suppl): [Abstract]. Podium presentation at the 2010 International Primatological Society (IPS) Congress, Kyoto Japan. Presented as a part of a symposium I organized, “Landscape Genetics in Primates: New Methods and Applications.”
 8. **Blair, M.** and Melnick, D.J. 2010. Population genetic structure and landscape genetics of the endangered Central American Squirrel Monkey (*Saimiri oerstedii*). Poster presentation at the 2010 American Association of Physical Anthropologists (AAPA) Annual Meeting, Albuquerque, NM. Abstract Published: *American Journal of Physical Anthropology* 141 (Suppl.50).

7. Hodgson, J.A. and **Blair, M.** 2010. Inferring geographic origin of a population range expansion using GIS and multi-locus genomic data: the origin of modern humans as a test case. Poster presentation at the 2010 AAPA Annual Meeting, Albuquerque, NM. Abstract Published: *American Journal of Physical Anthropology* 141 (Suppl.50).
6. **Blair, M.** and Hagelin, J.C. 2009. Fecal odor is a putative alarm signal in the domestic chicken (*Gallus gallus domesticus*). Poster presentation at the 2009 American Ornithologists' Union Annual Meeting, Philadelphia, PA.
5. **Blair, M.** and Melnick, D.J. 2008. The effect of habitat fragmentation on population genetic structure in the Central American Squirrel Monkey (*Saimiri oerstedii*). *Primate Eye* 96 (Abst#192): [Abstract]. Poster presentation at the 2008 IPS Congress, Edinburgh, Scotland.
4. **Blair, M.** and Cords, M. 2008. Behavioral indicators of female choice in blue monkeys in the Kakamega Forest, Kenya. Poster presentation at the 2008 AAPA Annual Meeting, Columbus, OH. Abstract Published: *American Journal of Physical Anthropology* 135 (Suppl.46).
3. Dacier, A., Morales-Jimenez, A.L., **Blair, M.**, and Disotell, T.R. 2008. Phylogeny of New World monkeys (Primates: Platyrrhini) based on large genomic sequence data. Podium presentation at the 2008 AAPA Annual Meeting, Columbus, OH. Abstract Published: *American Journal of Physical Anthropology* 135 (Suppl.46).
2. **Blair, M.** 2007. The effect of habitat fragmentation on the population genetic structure of the Central American Squirrel Monkey. Poster presentation at the 2007 NSF IGERT Project Meeting, Arlington, VA.
1. **Blair, M.** 2004. Genotyping South African and Kenyan vervets (*Chlorocebus aethiops*) for eight human microsatellite markers. Poster presentation at the Sigma Xi Poster Session, Swarthmore College, Swarthmore, PA.

Popular Articles, Media Events & Coverage

- "Human-caused climate change fuels warmer, wetter, stormier Arctic: 2022 Arctic Report Card features Indigenous observations and knowledge." NOAA News & Features, by Allen, M. <https://www.noaa.gov/news-release/human-caused-climate-change-fuels-warmer-wetter-stormier-arctic> (Dec 13, 2022).
- "Wildlife don't recognize borders, nor does climate change. Conservation should keep up" by Jim Tan. <https://news.mongabay.com/2022/04/wildlife-dont-recognize-borders-nor-does-climate-change-conservation-should-keep-up/> (April 28, 2022).
- "Instituto Humboldt y el Museo de Historia Natural de Nueva York unen esfuerzos por la biodiversidad colombiana," by Laura Garzón. <http://humboldt.org.co/es/actualidad/item/1732-instituto-humboldt-y-el-museo-de-historia-natural-de-nueva-york-unen-esfuerzos-por-la-biodiversidad-colombiana> (April 11, 2022).
- "Museum and Colombia's Humboldt Institute To Collaborate on Conservation" Featured News Post, American Museum of Natural History, by Snyder, K. <https://www.amnh.org/explore/news-blogs/news-posts/museum-agreement-colombias-humboldt-institute> (April 1, 2022).
- "Protecting Colombia's Biodiversity." Featured Project News Post, NASA Applied Sciences Website, by Keck, A, <http://appliedsciences.nasa.gov/our-impact/news/protecting-colombias-biodiversity> (March 30, 2022).

- "Conservation Efforts Must Work Across Borders, Studies Show." Featured Research Blog Post, American Museum of Natural History, by Snyder, K. <https://www.amnh.org/explore/news-blogs/research-posts/prevent-biodiversity-loss-across-borders> (March 22, 2022).
- Featured Storyteller. The Moth Mainstage Event "There is a place for us" in Tarrytown, NY. (March 12, 2022).
- "Frontiers Issue 14.1 Announcement" Featured News Post, International Biogeography Society, by Faller, K. <https://www.biogeography.org/news/news/frontiers-issue-14-1/> (March 2, 2022).
- "March Mammal Madness Museum Tour" American Museum of Natural History (AMNH) YouTube Live Broadcast. (8300 views, 1300 live) **most highly attended virtual hall tour to date** <https://youtu.be/WUOS8-A9CpU> (March 19, 2021)
- "The Scientist is In: Reindeer Special" AMNH Facebook Live Broadcast. (7000 views). <https://www.facebook.com/naturalhistory/videos/201614691513078> (Dec 22, 2020)
- "Endangered Species and Climate Change" AMNH Scientists at Home Facebook Live Broadcast. (9500 views). <https://www.facebook.com/naturalhistory/videos/281697306369677/> (July 23, 2020)
- "Mary Blair: Creating Better Biodiversity Maps." Profile, NASA Applied Sciences Website, by Keck, A and Stewart, E. <https://appliedsciences.nasa.gov/our-impact/people/mary-blair-creating-better-biodiversity-maps> (June 2, 2020)
- "Mary Blair: Researcher Spotlight." NASA Biodiversity & Ecological Forecasting Newsletter and Website. Winter 2020. <https://cce-datasharing.gsfc.nasa.gov/programs/spotlight/10/0/a/> (2 Feb 2, 2020)
- "The unique biodiversity of Vietnam." Public lecture at the U.S. Embassy in Hanoi's American Center and Facebook Live Broadcast (9,000 views). <https://www.facebook.com/usembassyhanoi/videos/2213069472055236/> (Aug 8, 2018)
- "Joining forces to address the threat of wildlife trafficking." Science at AMNH Podcast. <https://www.amnh.org/explore/news-blogs/podcasts/joining-forces-to-address-the-threat-of-wildlife-trafficking> (Nov 2, 2017)
- "Live with conservation scientist Mary Blair." (5,000 views) AMNH Facebook Live Broadcast. <https://www.facebook.com/naturalhistory/videos/10154685165896991/> (Oct 20, 2017)
- "A New Approach to Combating Illegal Wildlife Trafficking." AMNH Research Blog Post featuring M.E. Blair. <https://www.amnh.org/explore/news-blogs/research-posts/a-new-approach-to-combating-illegal-wildlife-trafficking> (Oct 13, 2017)
- "New Study Combines Biology, Anthropology, and Economics for More Complete Picture of Illegal Wildlife Trade." AMNH Press Release. <https://www.amnh.org/about-the-museum/press-center/study-combines-biology-anthropology-and-economics-for-more-complete-picture-of-illegal-wildlife-trade> (Oct 2017)
- "Interdisciplinary Approaches to Wildlife Trade Management." American Institute of Biological sciences (AIBS) Podcast "BioScience Talks". <http://bioscienceaibs.libsyn.com/interdisciplinary-approaches-to-wildlife-trade-management> (Oct 11, 2017)
- "No longer a black box: How did maxent go open-source?" by M.E. Blair and R.P. Anderson. Ecography Blog Post. <http://www.ecography.org/blog/no-longer-black-box-how-did-maxent-go-open-source> (July 3, 2017)
- "Five Ways to Move Beyond the March: A Guide for Scientists Seeking Strong, Inclusive Science" by Sutton Lawrence, A., Wynn-Grant, R., Malone, C., Sterling, E., Groom, M., **Blair, M.** Union

- of Concerned Scientists, Science and Democracy Blog. <http://blog.ucsusa.org/science-blogger/five-ways-to-move-beyond-the-march-a-guide-for-scientists-seeking-strong-inclusive-science> (May 15, 2017).
- “The Search for Slow Lorises.” American Museum of Natural History SciCafe. Free, public lecture. <http://www.amnh.org/learn-teach/adults/scicafe/the-search-for-slow-lorises> (March 1, 2017)
- “Live with conservation biologist Mary Blair talking about her work on lorises in Southeast Asia.” (8,000 views) AMNH Facebook Live Broadcast. <https://www.facebook.com/naturalhistory/videos/10154080554746991/> (Feb 27, 2017)
- “Slow Loris Conservation in Vietnam” AMNH.tv Science Video. <https://www.amnh.org/explore/videos/research-and-collections/slow-loris-conservation-in-vietnam> (October 13, 2016)
- “Live now with Assistant Director for Research at the CBC.” (11,000 views) AMNH Facebook Live Broadcast. <https://www.facebook.com/naturalhistory/videos/10153546832411991/> (April 22, 2016)
- Spotlight Asia: Ring in the Year of the Monkey, media coverage of AMNH event featuring our research on primates in Vietnam on Sinovision: <http://video.sinovision.net/?id=32937>. (February 21, 2016)
- National Science Foundation Discovery Blog. “Saving the slow loris: Fighting wildlife trafficking with interdisciplinary research and a legacy of international collaboration.” https://www.nsf.gov/discoveries/disc_summ.jsp?cntn_id=135668 (July 13, 2015)
- American Museum of Natural History Fieldwork Journal Blogs: <https://www.amnh.org/explore/news-blogs/news-posts/the-search-for-slow-lorises-in-vietnam-amnh> (Mar-April, 2014 and July 2015)
- “Tracking Down a Slow Loris” Oxford University Press Blog Post: <http://blog.oup.com/2014/07/slow-loris-conservation/> (July 14, 2014)
- “Field Research and Work-Life Integration” Association for Women in Science (AWIS) Magazine, Summer 2014 Edition, pp. 10-11.
- “The Primate Tracker: Mary Blair combs the forests of Vietnam looking for endangered slow lorises.” Scholastic News for Your Classroom (April 16, 2014) <http://magazines.scholastic.com/news/2014/04/The-Primate-Tracker>
- “The Primate Tracker: Mary Blair combs the forests of Vietnam looking for endangered slow lorises.” Cool Science Jobs. Scholastic’s ScienceWorld Magazine (March 24, 2014) <http://scienceworld.scholastic.com/cool-science-jobs>
- “Tracking Tiny Primates,” Scholastic’s SuperScience Magazine Vol. 25 No. 6 (March 2014)
- “How Does Evolutionary Biology Inform Biodiversity Conservation?” Free, public lecture for the Secret Science Club, The Bell House, Brooklyn, NY. (February 12, 2014) <http://secretscienceclub.blogspot.com/2014/02/wednesday-february-12-8pm-bell-house.html>
- “Science Bulletins: Slow Loris Venom-Solving a Toxic Puzzle.” American Museum of Natural History BioNews Science Bulletins. <https://www.youtube.com/watch?v=YOyC6rEpHJK> (December 12, 2013)
- New York Times* Scientist at Work Blogs: <http://scientistatwork.blogs.nytimes.com/tag/slow-loris/> (April-May, 2013)

"Evolutionary Primatologist Discusses Diversity in the Scientific Workforce." The Wilson Billboard, Wilson College, Chambersburg, PA. (December 8, 2011)

"Meet Mary Blair: Mentor and Biologist." American Association of University Women Blog <http://www.aauw.org/2012/01/11/blair-mentor-and-biologist/> (January 11, 2011)

Grants and Fellowships

Arcus Foundation Grant. Developing capacity and informing priorities for ape conservation under climate change in Vietnam (PI). 2022-2024. \$200,000

NASA Applied Sciences Division Ecological Forecasting Program. Advancing tools to support and test an integrated biodiversity monitoring system for Colombia's Protected Areas (PI). 2021-2025. \$798,819

National Science Foundation (NSF) Social, Behavioral, and Economic Sciences Program. Collaborative Research: Phylogenomic analyses of lorisiform primates using museum collections (Institutional PI). 2019-2023. \$114,899

NASA Earth Sciences Division GEO BON Program. Expanding *Wallace* biodiversity modeling software to support national biodiversity change indicator calculations for GEO BON assessment and reporting (PI). 2018-2023. \$693,320

Prince Albert II of Monaco Foundation (U.S.). Collaborative transboundary conservation of vulnerable species and habitats in the Sino-Vietnamese border region under climate change (PI). 2018-2020. \$250,000

Fulbright Specialist Award, Faculty of Environmental Science, Hanoi University of Science, Vietnam National University, 2017.

National Science Foundation (NSF) Biology Research Experience for Undergraduates Mentor-Student Travel Scholarship. 2014. \$3,000 with Elora López.

USAID Partnerships for Enhanced Engagement in Research (PEER) Science Program. Biodiversity conservation in Indochina: Integrating research and training to enhance wildlife trade management. 2014-2017. \$294,251 to PI Minh Le (CRES-VNU).

National Science Foundation (NSF) Science, Engineering, and Education for Sustainability Fellowship Program. SEES Fellows: Integrating biology and econometrics across multiple scales for sustainable wildlife trade management (PI). 2013-2016. \$418,464

Disney Worldwide Conservation Fund. Conservation of the slow loris. 2013-2014. \$25,000

Eppley Foundation for Research. Conservation of the slow loris: Informing management of the wildlife trade in Vietnam. 2012-2013. \$25,000

Margot Marsh Biodiversity Foundation. Slow loris conservation in Vietnam: Informing management of the wildlife trade. 2012-2013. \$10,000

Dissertation Writing Fellowship. American Association of University Women. 1 yr. graduate stipend, 2010-2011. \$20,000

National Science Foundation (NSF) Doctoral Dissertation Improvement. Habitat modification and gene flow in an endangered New World primate. 2009-2010. \$10,271

- Margot Marsh Biodiversity Foundation. Habitat modification and gene flow in an endangered New World primate: Implications for conservation management. 2009-2010. \$10,000
- Columbia University Graduate School of Arts and Sciences International Traveling Fellowship. 1 yr. graduate stipend, 2008-2009. \$23,000
- International Primatological Society. Habitat modification and gene flow in an endangered New World primate. 2008-2009. \$1500
- American Society of Primatologists Conservation Small Grant. The effects of habitat modification on gene flow: Matrix tolerance, dispersal and conservation in the Central American Squirrel Monkey (*Saimiri oerstedii*). 2008-2009.
- Daniel E. Fischer Conservation Grant, Northwest Primate Conservation Society, Eugene, OR. The effect of habitat fragmentation on population genetic structure in the Central American squirrel monkey. 2007.
- Institute of Latin American Studies Pre-Dissertation Research Travel Grant, Columbia University. The effect of habitat fragmentation on population genetic structure in the Central American squirrel monkey. 2007.
- Earth Institute Travel Grant, Columbia University. The effect of habitat fragmentation on population genetic structure in the Central American squirrel monkey. 2006.
- NSF Integrative Graduate Education and Research Traineeship (IGERT) Program Fellowship. New York Consortium in Evolutionary Primatology. 4 yr. graduate stipend + \$5000 research stipend, 2005-2010.

Research Projects

- Study of Environmental Arctic Change: Informing Arctic decisions with Indigenous and scientific knowledge. Human Well-being Coproduction Team Member.
<https://searcharcticsscience.org/> 2022 - Current
- Unlocking museum collections for primate phylogenomics and conservation: Museomics of lorisiform primates. University of Texas at San Antonio and Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY. 2019 - Current
- Expanding Wallace biodiversity modeling software to support biodiversity assessment and reporting. Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY and City College of New York (City University of New York), the University of Connecticut, Pace University, and the Alexander von Humboldt Institute. 2018 - Current
- An integrative social ecological systems framework for research on illicit wildlife trade in Southeast Asia. Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY and Vietnam National University. 2014 - Current
- Diversity, evolution, and conservation of the slow lorises (genus *Nycticebus*) in Vietnam. Center for Biodiversity and Conservation and the Sackler Institute for Comparative Genomics, American Museum of Natural History, New York, NY, 2012 - Current
- Conservation of evolutionary processes: Ecological Niche Evolution, Phylogenetic Endemism, and Ecotones in Madagascar. Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY, 2012 - Current

- Collaborative transboundary conservation of vulnerable species and habitats in the Sino-Vietnamese border region under climate change. Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY and Rutgers University, Vietnam National University. 2018-2020
- Biocultural resilience across landscape mosaics in Pacific Islands. (Eleanor Sterling, PI) Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY, 2014-2019
- Ecological niche modeling, biogeography, and population monitoring of the douc langurs (*Pygathrix* spp). Center for Biodiversity and Conservation, American Museum of Natural History, New York NY, 2010-2012
- Incorporating the threat of climate change into range-wide conservation planning for the jaguar (*Panthera onca*). Center for Biodiversity and Conservation, American Museum of Natural History and the Wildlife Conservation Society, New York NY, 2010-2011
- Habitat modification and gene flow in *Saimiri oerstedii*: Landscape genetics, intraspecific molecular systematics, and conservation. Columbia University and Molecular Primatology Laboratory, New York University, 2006-2011
- Inferring the geographic origin of modern humans using GIS and multi-locus genomic data. Columbia University and Molecular Primatology Laboratory, New York University, New York, NY, 2009-2010
- Phylogeny and divergence dating of New World monkeys based on large non-coding genomic sequence data. Molecular Primatology Laboratory, New York University, 2007-2009
- New World primate microsatellite marker screening in *Saimiri* fecal samples. Molecular Primatology Laboratory, New York University, 2007
- Behavioral indicators of female choice in blue monkeys (*Cercopithecus mitis*) in the Kakamega Forest, Kenya. Columbia University, 2006-2007
- Mapping *Saimiri oerstedii* troop locations and illegal deforestation sites using GIS (geographic information systems) technology. Fund for Costa Rica, Quepos, Costa Rica, 2006
- Comparative methods of DNA extraction from mammalian feces. Sackler Institute for Comparative Genomics, American Museum of Natural History, 2006
- Behavioral monitoring of free-ranging golden lion tamarins to facilitate their reintroduction into Brazil. The National Zoo, Washington, D.C., 2005
- Alarm signaling via fecal odor in the domestic chicken (*Gallus gallus domesticus*). Swarthmore College, Swarthmore, PA, 2005
- Microsatellite genotyping and mitochondrial sequencing of non-human primates for species, population, and individual-level barcoding. Integrated Primate Biomaterials and Information Resource (IPBIR), Coriell Institute for Medical Research, Camden, NJ, 2004
- Handedness and food preference in captive Central American squirrel monkeys (*Saimiri oerstedii*). The Primatological Foundation of Costa Rica, San Miguel de Turrucares, Costa Rica, 2004
- Infant carrying behavior in red-crested tamarins. The Primatological Foundation of Costa Rica, San Miguel de Turrucares, Costa Rica, 2004

Invited Talks

56. "Creating better biodiversity maps". NASA Topical Workshop: Broadening the use of NASA datasets by the Species Distribution Modeling community. Invited Presentation. January 20, 2022. University of Montana (Virtual).
55. "Expanding *Wallace* species distribution modeling software as a tool for assessment and reporting by Biodiversity Observation Networks." At the GEO WEEK side event entitled 'Biological Earth observations in support of transformative commitments and sustainable development' co-organized by GEO BON, MBON, the Ministry of Environment and Energy of Costa Rica and UNDP on 24 Nov 2021 (Virtual). <https://geobon.org/geo-week-2021/>
54. "Special Issue Preview: Transboundary Conservation Under Climate Change" Invited Talk for the *Frontiers of Biogeography* event at International Humboldt Day. 17 September, 2021. <https://www.humboldtday.org/event/frontiers-of-biogeography/>
53. "Biodiversity data, frameworks and tools: Scientific collaborations to guide conservation." Invited lecture. Asia Pacific Economic Cooperation (APEC) Science Prize for Innovation, Research and Education U.S. Nominee Awards Session. U.S. State Department's Office of Science and Technology Cooperation, Washington, D.C. 18 August 2020 <https://vimeo.com/450279960/16b63bcf34>
52. "Wildlife trade in Vietnam: exploring drivers, scales, and diverse knowledges in a social-ecological systems framework." Invited lecture. Department of Biology Seminar Series. Fordham University, New York, NY. 10 October 2018.
51. "A new R package to process SDMs to estimate species' ranges." Invited talk. New York Species Distribution Modeling Discussion Group. American Museum of Natural History, New York, NY. 11 May 2018.
50. "GIS and Remote Sensing for Biodiversity Conservation". Invited talk. Teacher's Professional Development Spring Break Institute: Global Trends in Biodiversity and their Causes. American Museum of Natural History, New York, NY. 4 April 2018.
49. "How does evolutionary primatology inform primate conservation?: From wildlife trade to climate change" Invited lecture for the Center for the Study of Human Origins, New York University, New York, NY, March 29, 2018.
48. "The promise and pitfalls of new machine learning methods for biodiversity modeling." Invited University Public Seminar. Hanoi University of Science, Vietnam National University, Hanoi, Vietnam, Nov 16, 2017.
47. "Ecological niche divergence, conservatism, and speciation processes." Guest lecture for graduate course in Speciation, Richard Gilder Graduate School, American Museum of Natural History, NY, Oct 27, 2017.
46. "Ph.D. Career Trajectories: Beyond the Tenure-Track." New York Consortium in Evolutionary Primatology Graduate Program Seminar, American Museum of Natural History, NY, Oct 6 2017.
45. "Illicit wildlife trade in Vietnam: examining drivers and scales of trade in a social-ecological systems framework". Invited Lecture. Department of Ecology, Evolution, and Environmental Biology Seminar, Columbia University, New York, NY. Oct 3, 2017.
44. "How does evolutionary biology inform biodiversity conservation? A case study of slow lorises in Vietnam." Keynote Lecture. NYU Courant Institute's Girls' Science, Technology, Engineering, and Mathematics (GSTEM) Summer Program Symposium. New York, NY

August 11, 2017

43. "How Does Genetics Inform Biodiversity Conservation? Opportunities and Pitfalls" Invited Lecture. Sigma Xi - Swarthmore College Chapter, Swarthmore College, Swarthmore, PA. Mar 13, 2017
42. "Integrating Biodiversity Conservation Science Research Across Disciplines and Scales in the Lower Mekong Basin." Invited Talk. Lower Mekong Research Collaboration Initiative Symposium. U.S. Department of State, Washington, D.C. February 10, 2017.
41. "Slow loris conservation in Vietnam" Invited lecture for the Yeshiva University Natural History Society, New York, NY, Dec 15, 2016
40. "Primate Conservation and Conservation Genetics." Guest lecture for the New York Consortium in Evolutionary Primatology's Core Graduate Course in Primate Evolution and Behavior. American Museum of Natural History, New York, NY, Dec 5, 2016
39. "Primate Conservation Case Studies from Vietnam" Invited lecture, Rutgers University Primate Conservation Club, Nov 11, 2016
38. "Illicit wildlife trade in Vietnam: exploring drivers, scales, and diverse knowledges in a social-ecological systems framework." Yale Southeast Asia Studies Council, Southeast Asia Seminar Series, Yale University, New Haven, CT. Nov 9, 2016.
37. "How can genetics inform biodiversity conservation?: Opportunities and pitfalls" Keynote Address. Metropolitan Association of College and University Biologists Conference, SUNY Old Westbury, Long Island, NY. Oct 29, 2016.
36. Panelist. Roundtable on Diversity. International Primatological Society Congress, Chicago, IL. Aug 22, 2016.
35. "Examining the drivers of wildlife trade in Vietnam with an interdisciplinary approach." Bard Center for Environmental Policy, Bard College, NY. April 28, 2016.
34. "How does evolutionary biology inform biodiversity conservation?: A case study of the slow loris trade" George Z. Tokieda Memorial Lecture, Brearley School, New York, NY. Feb 11, 2016.
33. "Scales of Wildlife Trade in Vietnam: Integrating Evolutionary Biology, Anthropology, and Econometrics to Address a Complex Problem" City College Biology Department Seminar, New York, NY, Feb 8, 2016.
32. "Enhancing Capacity for Research and Management of Wildlife Trafficking in the Lower Mekong Basin: Integrating Across Disciplines and Scales." Second NSF 2015 International Workshop to Explore Research Frontiers through Partnerships in the Lower Mekong Basin. Can Tho University, Vietnam, Nov 29-Dec1, 2015.
31. "Scales of Wildlife Trade in Vietnam: Integrating Molecular Phylogenetics, Ethnography, and Econometrics to Address a Complex Problem" Rutgers Ecology and Evolution Graduate Program Seminar Series, New Brunswick, NJ, Oct 22, 2015.
30. Panelist. "Successes in Primate Conservation." Student Conference on Conservation Science-New York, Center for Biodiversity and Conservation, American Museum of Natural History, Oct 9, 2015.
29. "Enhancing Capacity for Research and Management of Wildlife Trafficking in the Lower Mekong Basin: Integrating Across Disciplines and Scales." NSF 2015 National Workshop to Explore Research Frontiers through US Engagement in the Lower

- Mekong Basin. Laurel, MD, Sept 25-26, 2015.
28. "Slow loris conservation genetics in Vietnam." Assessing the present status of Pygmy loris conservation in South Vietnam Workshop. Cat Tien National Park, Vietnam, August, 2015.
 27. "Slow Loris Conservation in Vietnam." Centre for Natural Resources and Environmental Studies joint program with the National University of Singapore. Hanoi, Vietnam, July 2015.
 26. Panelist and Discussant, "Socioeconomic factors and consumer demand." The Biodiversity Affinity Group of the AAAS Science & Technology Policy Fellowship Program's half-day symposium "Combating Wildlife Trafficking: Communicating, Connecting, and Evaluating Challenges and Solutions for Policy Development and Implementation." Washington, DC, May 7, 2015.
<http://aaaspolicyfellowships.org/event/combating-wildlife-trafficking>
<https://www.youtube.com/playlist?list=PLxDfY7QHVCySJJV5qtnOQK1r1U-QHGBjk>
 25. "Slow loris trade in Vietnam: An interdisciplinary research approach to study trade networks, prices, and drivers across scales." Natural Resource Economics and Environmental Economics course, Bard Center for Environmental Policy, Bard College, NY, Dec 2014.
 24. "Las colecciones de historia natural como base para la investigación, conservación, y educación." Translation: "Natural history collections as a foundation for research, conservation, and education" Plenary talk at the Uruguayan Zoological Congress, Dec 2014, led by co-author Ana Porzecanski.
 23. "Saving the Slow Loris: An Endangered Primate from Southeast Asia." Biology Department Club Hour, Long Island University – Brooklyn, Nov 2014.
 22. "Ph.D. Career Trajectories: Beyond the Tenure-Track." New York Consortium in Evolutionary Primatology Graduate Program Seminar, City University of New York Graduate Center, NY, Oct 2014. With co-presenters R. Delgado and J. Zichello.
 21. "Slow Loris Conservation in Vietnam: Integrating Evolutionary Biology, Anthropology, and Economics to Address a Complex Problem." Astronomy Department Seminar, American Museum of Natural History, May 2014.
 20. "Slow Loris Conservation in Vietnam: Conservation Genetics as part of an Interdisciplinary Approach to Address a Complex Conservation Problem." Biology Department Seminar, Hofstra University, NY, Feb 2014.
 19. "Ecological Niche Modeling for Biodiversity Conservation." Guest lecture for graduate seminar in Zoogeography, City University of New York Graduate Center, NY, Feb 2014.
 18. "Slow Loris Conservation in Vietnam: Multidisciplinary Approaches to Address a Complex Conservation Problem." Bard Center for Environmental Policy, Bard College, Annandale-on-Hudson, NY, Dec 2013
 17. "Ecology and Conservation: Primate Conservation Case Studies." Guest lecture for the Introduction to Ecology course, Hanoi University of Science, Hanoi, Vietnam, April 2013
 16. "Conserving the Slow Loris." Invited speaker for the Biology Research Seminar. Long Island University Brooklyn Campus, Brooklyn, NY, Nov 2012

15. "Primate Conservation and Conservation Genetics." Guest lecture for the New York Consortium in Evolutionary Primatology's Core Graduate Course in Primate Evolution and Behavior. Hunter College, New York, NY, Nov 2012
14. "Remote Sensing at the Center for Biodiversity and Conservation." Guest lecture for the Lang Science Program, American Museum of Natural History, New York, NY, Aug 2012.
13. "Conservation Science at the Center for Biodiversity and Conservation." Guest lecture for the Summer Science Institute, American Museum of Natural History, New York, NY, Aug 2012.
12. "Variación Genética y Dispersión del Mono Tití en el Pacífico Central de Costa Rica." Institución Internacional en Conservación y Manejo de Vida Silvestre (ICOMVIS), Universidad Nacional, Heredia, Costa Rica, July 2012
11. "Genética de Paisaje y la Conservación: Estudio del Mono Tití en el Pacífico Central de Costa Rica." Universidad de Costa Rica, San Pedro, Costa Rica, June 2012
10. "Women and Diversity in Science: An Imperative for Biodiversity Conservation." For the "Science and Society" Speaker Series, sponsored by the Institute for Women in Science, Mathematics and Technology, and the Women's Studies Advisory Group. Wilson College, Chambersburg, PA, Nov 2011
9. "Primate Conservation and Conservation Genetics." Guest lecture for the New York Consortium in Evolutionary Primatology's Core Graduate Course in Primate Evolution and Behavior. Hunter College, New York, NY, Oct 2011
8. "Conservation Genetics." Guest lecture in Biodiversity and Conservation, AMNH Summer Program for High School Students, American Museum of Natural History, New York, NY, Aug 2011
7. "Conservation Genetics." Guest lecture in Conservation Biology, Dept. of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ, March 2011
6. "Primate Conservation." Guest lecture in Primate Behavioral Ecology, Dept. of Anthropology, Hunter College, New York, NY, Feb 2011
5. "Conservation of the Central American Squirrel Monkey: Preserving Evolutionary and Population Processes." Guest lecture in Primate Conservation, Dept. of Anthropology, Hunter College, New York, NY, Feb 2010
4. "Landscape Genetics as a Tool for Conservation Management." Guest lecture in Wildlife Ecology and Management, Dept. of Biology, Barnard College, New York, NY, Nov 2009
3. "La modificación del hábitat y el flujo genético del mono tití." Technical Scientific Committee of the Central Pacific Conservation Area, Ministry of Energy and the Environment, Santiago de Puriscal, Costa Rica, Mar 2009
2. "Habitat fragmentation and gene flow." Guest lecture in Conservation Genetics, Dept. of Ecology, Evolution and Environmental Biology, Columbia University, New York, NY, Feb 2008
1. "La fragmentación del hábitat y la estructura genética del mono tití." Association for the Conservation of the Mono Tití, Manuel Antonio, Costa Rica, Aug 2007

Student Advisees

Graduated:

- C. Malone (M.A. Columbia University, 2015), A Social-Ecological Systems Analysis of Human-Wildlife Conflict in the Context of Oil Palm Plantation Development in Cameroon.
- C. Rivera (M.A. Columbia U. 2017), Assessing Ecological and Social Dimensions of Success in a Community-based Sustainable Harvest Program

Student Committees

Graduated (13):

- N. Bett (M.A., Columbia U. 2011), Conservation of the Gray-Shanked Douc (*Pygathrix cinerea*): Mother-Infant Behavior, Ecological Niche Modeling, and Survey Design.
- T. Escovar Fadul (M.A., Columbia U. 2012), Assessing the predictive ability of ecological niche models using data from the North Slope of Alaska.
- A. Mora (M.S., University of Costa Rica 2013), Caracterización genética, determinación del coeficiente de endogamia y coeficiente de relación en distintas tropas de monos titi (*Saimiri oerstedii citrinellus*) en el Pacífico Central y (*Saimiri oerstedii oerstedii*) en el Pacífico Sur de Costa Rica.
- V. Ramesh (M.A., Columbia U 2015), IUCN greatly underestimates threat levels of endemic birds in the Western Ghats.
- B. Gerstner (M.A., City College of New York / City University of New York 2016), Revised distributional estimates for the recently discovered olinguito (*Bassaricyon neblina*), using museum and citizen science records.
- L. Valencia (Ph.D., University of Texas at Austin 2018), Effects of Anthropogenic Habitat Fragmentation on Silvery Brown Tamarin (*Saguinus leucopus*) Dispersal and Movement Patterns: Landscape Genetics, Habitat Connectivity and Conservation Implications.
- R. Welt (Ph.D., AMNH Richard Gilder Graduate School 2018), Sixty million years of solitude: The origin and diversification of Madagascar's iguanas (Family Opluridae).
- J. Tinsman (Ph.D., Columbia U. 2019), Geospatial and genomic tools for conserving the critically endangered blue-eyed black lemur (*Eulemur flavifrons*) and the sportive lemurs (genus *Lepilemur*).
- K. Provost (Ph.D., AMNH Richard Gilder Graduate School 2020), Population genomics of North American warm desert birds.
- H. Fuong (Ph.D., Columbia U. 2021), Social animals detecting danger: how social relations influence antipredator behavior in a noisy forest.
- J. Hagani (M.A., Columbia U 2021) Mapping, Modeling, and Managing Human-Carnivore Conflicts in the United States
- D. Westphal (Ph.D., CUNY 2022) Genetic impacts of deforestation on mouse lemurs.
- F. Bendell (M.A., Columbia U 2022) Distorted biodiversity knowledge: massive spatial bias for reptile sampling in Madagascar

In Progress (3): Ivan Monagan (Ph.D., Columbia U.-AMNH), Beth Gerstner (Ph.D., Michigan State University), Aaron Goodman (Ph.D., CUNY-AMNH)

Postdoctoral Fellows Advised (5)

- M. Weckel (2013-2015, AMNH Postdoctoral Conservation and Teaching Fellow)
- R. Wynn-Grant (2015-2018, AMNH Postdoctoral Conservation and Teaching Fellow)
- R. Harbert (2016-2018, AMNH Gerstner Bioinformatics Scholar)
- A. Moore (2018-2021, NSF Postdoctoral Fellow)
- M. Sandor (2019-2022, Columbia Frontiers in Science Fellow)

University Courses Taught

Trading Nature: A Conservation Biology Perspective, Undergraduate Advanced Seminar, Columbia University, New York, NY 2016-Present (developed and taught every 2 years).

GIS and Remote Sensing for Conservation and Evolutionary Biology, Richard Gilder Graduate School, American Museum of Natural History, New York, NY, 2011-

Present (co-developed and taught with Richard Pearson, Eleanor Sterling, Peter Galante, every 2-3 years)

Spatial Bioinformatics, Richard Gilder Graduate School, American Museum of Natural History, New York, NY, 2018 (co-developed and taught with Robert Harbert, Peter Galante)

Fundamentals of GIS in Ecology and Conservation, Graduate Level, Columbia University, New York NY, 2012 (co-developed and taught with Rob Rose)

Biodiversity, Undergraduate Level, Columbia University, 2010 (developed and taught)

Issues in Biological Conservation, Columbia University High School Summer Program, New York, NY, 2010

Introduction to Human Evolution, Undergraduate Level, Lehman College, New York, NY, 2008 (developed and taught)

Workshops Led

Blair, M.E., Pozzi, L., Penna, A., Gaughran, S., Wallace, M., Clark, L., Salis, A., Giakoumis, M. 2022. Applications of museum collections and phylogenomics to biodiversity conservation. Two-day workshop (Hybrid). Student Conference on Conservation Science - New York, Center for Biodiversity and Conservation, American Museum of Natural History, NY. 3-7 Oct, 2022.

Kass J.M., Gerstner, B.E., Johnson, B.A., Chang, S., **Blair, M.E.** 2022. Interactive, reproducible, and accessible species distribution modeling for conservation with *Wallace*. Workshop (Hybrid). North American Congress for Conservation Biology 2022, Reno, Nevada, USA. 17 July, 2022.

Rivera, C., Moore, A, Sutton, A, **Blair, ME**, Gazit, N, Malone, C, Wynn-Grant, R. (co-organizers) "What Am Doing With My Life?" Career Planning for the Modern Conservationist. Student Conference on Conservation Science - New York, Center for Biodiversity and Conservation, American Museum of Natural History, NY. Annually, since October 2013-Present.

Blair, ME, Anderson, RP, Noguera Urbano, E, Aiello-Lammens, M, Merow, C, Pinilla-Buitrago, G, Galante PJ, Paz, A, Johnson, B. Consultation Workshop III: Expanding *Wallace* biodiversity modeling software to support Colombia BON assessment and reporting. Cohosted virtually by The Center for Biodiversity and Conservation at the American Museum of Natural History and the Alexander von Humboldt Biological Resources Research Institute. 13 – 15 October, 2020. [Virtual]

Galante PJ, Sandor M, **Blair ME**. Species Distribution Modeling for Conservation with *Wallace*. 5th North American Congress for Conservation Biology. Workshop. Denver, Colorado. 27 July, 2020. [Virtual]

Blair ME, Galante, PJ, Kass, JM, Nguyen TA, Le MD. Species Distribution Modeling for Conservation. Training workshop at Hanoi University of Science, Vietnam National University. Hanoi, Vietnam. 25 – 26 July, 2019.

Blair ME, Noguera E. Consultation Workshop II: Expanding *Wallace* biodiversity modeling software to support Colombia BON assessment and reporting. Alexander von Humboldt Institute, Bogotá, Colombia. June 11-12, 2019

Blair ME, Le MD, Horning N, Galante P, Pinilla-Buitrago G, and Xu M. Consultation and training workshop: Collaborative transboundary conservation of vulnerable species and habitats under

climate change. Hanoi University of Science, Vietnam National University, Hanoi, Vietnam. July 11-12, 2018.

Blair ME, Velásquez J. Consultation Workshop: Expanding *Wallace* biodiversity modeling software to support Colombia BON assessment and reporting. Alexander von Humboldt Institute, Bogotá, Colombia. April 17-19, 2018.

Blair ME, Galante, PG, Meierdiercks, K, Sethi, G. Introduction to Spatial Econometrics in R. Bard Center for Environmental Policy, Bard College, Annandale-on-Hudson, NY April 28, 2017.

Blair ME, Le MD, Roos C. (co-instructors). Training Workshop: Improving Wildlife Trade Management through Applying Conservation Genetics and Forensic Science. Vietnam National University, University of Science, Faculty of Biology in collaboration with the Centre for Natural Resources and Environmental Studies, VNU, and the Vietnam Administration of Forestry. Hanoi, Vietnam Sep 19-23, 2016.

Workshop on Slow Loris Conservation and Action Plan for Primates in Vietnam. Vietnam Forestry Administration, Department of Nature Conservation, Ministry of Agriculture and Rural Development, Hanoi, Vietnam. March 17-18, 2016.

Slow Loris Species Identification Workshop: Raising Awareness and Improving Enforcement. Vietnam Forestry Administration, Department of Nature Conservation, Ministry of Agriculture and Rural Development, Hanoi, Vietnam. July, 22, 2014.

Blair, ME, EJ Sterling. 2014. Building a Roadmap to a Broader Community: An Open Meeting of the SCB's Committee on Diversity. North American Congress on Conservation Biology, Missoula, MT. July 13, 2014

Blair, ME, Sterling, EJ, Wynn-Grant, R., Sutton, A, Malone, C. 2013. Enhancing Diversity in the Conservation Science Workforce: What are the barriers to increasing diversity and what can organizations like SCB do? International Congress in Conservation Biology, Baltimore, MD. July 21-25, 2013.

Software Developed

- *Maxent* software for modeling species niches and distributions.
 - o For download, tutorial, and other training materials see: https://biodiversityinformatics.amnh.org/open_source/maxent/
 - o Publication: Phillips, S., Anderson, R.P., Dudik, M., Schapire, R., and Blair, M.E. 2017. Opening the black box: an open-source release of Maxent. *Ecography* 40(7):887-893. DOI:10.1111/ecog.03049.
 - o Associated blog post: "No longer a black box: How did maxent go open-source?" <http://www.ecography.org/blog/no-longer-black-box-how-did-maxent-go-open-source>
- *Wallace*: a modular platform for reproducible modeling of species niches and distributions. <https://wallaceecomod.github.io/>
 - o Vignette: https://wallaceecomod.github.io/vignettes/wallace_vignette.html
 - o Publication: Kass, J., Pinilla-Buitrago, G., Paz, A., Johnson, B., Grisales-Betancur, V., Meenan, S., Attali, D., Broennimann, O., Galante, P., Maitner, B., Owens, H., Varela, S., Aiello-Lammens, M., Merow, C., Blair, M., and Anderson, R.P. (In Press). *Wallace 2*: a shiny app for modeling species niches and distributions redesigned to facilitate expansion via module contributions. *Ecography* (Online Early). DOI: 10.1111/ecog.06547
 - o Download: <https://CRAN.R-project.org/package=wallace>
- *maskRangeR*: an R package that post-processes species distribution models (SDMs) for estimating a species' current range. <https://cmerow.github.io/maskRangeR/>
 - o Vignette: https://cmerow.github.io/maskRangeR/maskRangeR_Tutorial.html

- Publication: Merow, C., Galante, P.J., Kass, J.M., Aiello-Lammens, M., Babich Morrow, C., Gerstner, B.E., Grisales-Betancur, V., Moore, A., Noguera-Urbano, E.A., Pinilla-Buitrago, G.E., Velasquez-Tibatá, J., Anderson, R.P., Blair, M.E. 2022. Operationalizing expert knowledge in species' range estimates using diverse data types. *Frontiers of Biogeography* 14.2: e53589. <https://escholarship.org/uc/item/3m7719vv>
- Download: <https://CRAN.R-project.org/package=maskRangeR>
- *changeRangeR*: an R package for repeatable and transparent translations of species distributions into meaningful conservation metrics. <https://cmerow.github.io/changeRangeR/>
 - Vignettes:
 - Single Species Analyses - <https://cmerow.github.io/changeRangeR/singleSpeciesMetrics.html>
 - Biodiversity Metrics - <https://cmerow.github.io/changeRangeR/BiodivMetrics.html>
 - Publication: Galante, P.J., Chang, S., Paz, A., Aiello-Lammens, M., Gerstner, B.E., Johnson, B.A., Kass, J.M., Merow, C., Noguera-Urbano, E.A., Pinilla-Buitrago, G.E., and Blair, M.E. (In Press). *changeRangeR*: an R package for reproducible biodiversity change metrics from species distribution estimates. *Conservation Science & Practice* (Online Early). DOI 10.1111/csp2.12863
 - Download: <https://CRAN.R-project.org/package=changeRangeR>

Boards, Committees and Trusteeship

- Associate Editor, Editorial Board Member, *Frontiers of Biogeography*, 2021-Present
- Editorial Board Member, *American Journal of Primatology*, 2018-Present
- Executive Board, New York Women in Natural Sciences, New York Chapter of the Association for Women in Science, 2012-Present, President 2013-2019, 2021-2023
- International Primatological Society Conservation Committee 2015-2018, Committee on Diversity, Equity and Inclusion 2016-Present, and Congress Scientific Program Committee 2018
- Society for Conservation Biology Board Committee on Equity, Inclusion and Diversity, 2014-2019
- Lower Mekong Research Collaboration Initiative Steering Committee, U.S. Department of State, 2016-2018
- Roosevelt Wildlife Station Honorary Advisory Council, State University of New York, College of Environmental Science and Forestry 2014-2019
- Editorial review board member, Columbia Undergraduate Science Journal, Columbia University, 2006-2010
- Secretary and departmental representative, Women in Science at Columbia, Columbia University, 2006-2008
- Board of Directors, Fund for Costa Rica, Manuel Antonio, Costa Rica, 2007-2008
- Elected departmental representative to the Graduate Student Advisory Council, Columbia University, 2006-2008

Symposia and Special Issues Organized

- Special Issue Editor: "Transboundary Conservation under Climate Change" *Frontiers of Biogeography* Vol. 14 Issue 1, Mar, 2022. <https://escholarship.org/uc/fb/14/1>
- Symposium co-organizer, "Cross-boundary Cooperation for Biodiversity Conservation in Asia under Global Change" at Henan University, in Kaifeng City, China, July 2019.
- Special Issue Editor: "Multidisciplinary Studies of Wildlife Trade in Primates" *American Journal of Primatology* Vol. 79 Issue 11, Nov, 2017. <http://onlinelibrary.wiley.com/doi/10.1002/ajp.v79.11/issuetoc>
- Symposium and Panel Discussion: "Frontiers of Biodiversity Informatics and Modeling Species Distributions" (M. E. Blair, R. P. Anderson, and D. Schigel,

- organizers). Global Biodiversity Information Facility and American Museum of Natural History, 4 November 2015, New York, NY
- International Primatological Congress Scientific Program Committee and Symposium Organizer “Multidisciplinary Studies of Primates in Trade” Hanoi, Vietnam, 2014
- Symposium organizer, “Landscape Genetics in Primates: New Methods and Applications,” International Primatological Society Congress, Kyoto, Japan, 2010

Invited Working and Advisory Groups and Other Professional Service

- Invited Contributor, International Union for the Conservation of Nature (IUCN) Species Survival Commission (SSC) Standards and Petitions Committee (SPC)’s Review and Revision of Guidelines for Using the IUCN Red List Categories and Criteria, 2022-Present
- Study of Environmental Arctic Change: Informing Arctic decisions with Indigenous and scientific knowledge. Human Well-being Coproduction Team Member, 2022-Present
- Group on Earth Observations - Biodiversity Observation Network (GEO BON) Species Population Working Group, 2018-Present
- Vietnam Primate Technical Working Group Member (IUCN/SSC Primate Specialist Group), 2015-Present
- Mentor, speed talk session moderator, and poster reviewer, Student Conference on Conservation Science – New York, American Museum of Natural History, 2011-Present
- Co-coordinator of the New York Regional Species Distribution Modeling Discussion Group, 2012-Present
- Asia Field Advisor, Association of Zoos and Aquariums Prosimian Taxon Advisory Group, 2013-2018
- Member of US Delegation, U.S.-Vietnam Science and Technology Joint Committee Meeting, Working Group on STEM Education and Research Exchange, Dec 2-4, 2015 in Ho Chi Minh City
- Mentor to teams of high school students for the AMNH Student Research Mentoring Program and the NYC Urban Barcode Project, 2012-2013

Research Grant and Publication Reviewing

- Ad-hoc grant reviewer and grant review panel service: *U.S. National Science Foundation (NSF) Division of Biological Infrastructure (DBI), Division of Behavioral and Cognitive Sciences – Social, Behavioral, and Economic Sciences (BCS-SBE), Division of Geosciences - Office of Polar Programs (GEO-OPP), Division of Environmental Biology (DEB); The Leakey Foundation; The National Geographic Society; Primate Conservation, Inc.; University of Tennessee Center of Excellence in Applied Computational Science and Engineering (CEACSE) Grant Competition.*
- Manuscript Reviewer: *American Journal of Physical Anthropology, American Journal of Primatology, American Naturalist, Asian Journal of Conservation Biology, Asian Primates, Biodiversitas, Biological Conservation, Biological Reviews, Biology Letters, Conservation Biology, Conservation Genetics, Diversity and Distributions, Ecography, Ecology & Evolution, Elementa, Endangered Species Research, f1000 Research, Folia Primatologica, Forests, Frontiers of Biogeography, Global Change Biology, Global Ecology and Conservation, Heredity, Hystrix, Integrative and Comparative Biology, International Journal of Primatology, International Zoo Yearbook, Journal of Biogeography, Journal of Herpetology, Journal for Nature Conservation, Methods in Ecology and Evolution, Mitochondrial DNA, Molecular Ecology, Molecular Phylogenetics and Evolution, Nature Ecology and Evolution, Nature Scientific Reports, Oryx, Perspectives in Ecology and Conservation, PLoS Neglected Tropical Diseases, PLoS ONE, Primate Conservation, Primates, Proceedings of the National Academy of Sciences USA, Raffles Bulletin of Zoology,*

Remote Sensing in Ecology and Conservation, Studies on Neotropical Fauna, Zoo Biology, Zoological Journal of the Linnean Society

- Book Reviewer, *Oxford University Press, Cambridge University Press, Springer, Wiley-Blackwell*

Honors and Awards

Rizavi Innovation in Conservation Fellow, Center for Biodiversity and Conservation, American Museum of Natural History, 2021-Present

Asia Pacific Economic Cooperation (APEC) Science Prize U.S. Nominee for Innovation, Research, and Education - Runner Up, 2020

Fulbright Specialist Program Fellow, 2017

NSF Science, Engineering, and Education for Sustainability Fellow, 2013-2016

American Association of University Women (AAUW) Dissertation Writing Fellow, 2010-2011

First Place, Oral Presentation, International Primatological Society Congress, Kyoto, Japan, 2010

Finalist, Presidential Award for Outstanding Teaching, Columbia University, 2008

Phi Beta Kappa, Swarthmore College, 2005

Leo M. Leva Memorial Prize, Swarthmore College Biology Department, 2005

Professional Affiliations

- Phi Beta Kappa
- Society for Conservation Biology
- International Primatological Society
- International Biogeography Society
- American Primatological Society
- Association for Women in Science
- American Association of University Women
- American Association for the Advancement of Science

Additional Skills

- Fluent in Spanish, conversational Vietnamese
- R programming language, QGIS, ArcGIS, and other GIS and statistical platforms
- Coaches little league baseball