

CURRICULUM VITAE | Dr. Mary Katherine Gonder

Professor and Department Head
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Updated August 8, 2023

EDUCATION

- Post-Doctoral Research Associate, University of Maryland, 2002-2007, Advisor: Dr. Sarah Tishkoff
- Post-Doctoral Research Fellowship, National Institutes of Health, 2000-2002, Advisor: Dr. Anthony Furano
- Graduate School of the City University of New York, M. Phil., 1997, Ph.D., 2000, Advisors: Dr. John Oates (City University of New York) and Dr. Todd Disotell (New York University)
- University of Alabama at Birmingham, *Magna Cum Laude*, Honors in Interdisciplinary Studies, B.A., 1993

APPOINTMENTS

Professional

- Professor, Department of Ecology and Conservation Biology, Texas A&M University. August 2023 – present
- Visiting Professor, Department of Biology, Drexel University. 2023 – present
- Professor, Department of Biology, Drexel University. 2019 – 2023
- Professor, Department of Biodiversity, Earth and Environmental Sciences, 2019 – 2023
- Associate Professor (tenured), Department of Biology, Drexel University. 2013 – 2019
- Associate Professor, Department of Biodiversity, Earth and Environmental Sciences, 2017 – 2019
- Associate Professor (tenured), Department of Biological Sciences, University at Albany – State University of New York. September 2013 – December 2014
- Assistant Professor, Department of Biological Sciences, University at Albany – State University of New York. August 2007 – August 2013

Administrative

- Department Head, Department of Ecology and Conservation Biology, Texas A&M University. Starting August 1, 2023

- Department Head, Department of Biology, Drexel University. September 2021 – present
- Co-Department Head, Department of Biology, Drexel University. February – August 2021
- Director, Cameroon Biodiversity Protection Program, Drexel University, 2018 – present
- Co-Founder, Central African Biodiversity Alliance, 2013 – present
- Director, Bioko Biodiversity Protection Program and Cameroon Biodiversity Protection Program, Drexel University, 2014 – 2021
 - Daily management of BBPP operations transitioned to the Academy of Natural Sciences of Drexel University in October 2021. David Montgomery is now BBPP's Director. My role with BBPP is focused on scientific research.

Other

- Adjunct Assistant Professor, Department of Anthropology, University at Albany – State University of New York. August 2010 – December 2014
- Faculty Research Associate, University of Maryland. 2004-2008
- Research Associate, Hunter College of the City University New York. 1997 – 2000
- Visiting Scientist, New York University. 1998-1999
- Research Assistant, Earthwatch. 1990-1993
- Research Technician, University of Alabama at Birmingham, Department of Physiology and Biophysics. 1990-1993

FUNDING

Extramural Grants and Contracts

- Reducing bushmeat supply and demand by increasing wildlife security on Bioko Island, Equatorial Guinea. U.S. Fish & Wildlife Service, Wildlife Without Borders. 2019-2022. Gonder (PI) \$570,559.50
- Advancing biodiversity conservation on Bioko Island with a capacity-building, international program in collaboration with the National University of Equatorial Guinea (Continuing award). Exxon-Mobil Foundation. Gonder (PI). Amount awarded 2013 – 2021: \$2,310,000.00.
- Protecting and studying the Nigeria-Cameroon chimpanzee (*Pan troglodytes ellioti*) at Mbam & Djerem National Park (MDNP), Cameroon. U.S. Fish & Wildlife Service, Great Apes Program. 2019-2021. Gonder (PI) \$90,550.40.
 - This project paid for the Ganga Research Station and Mbakaou Wildlife Center at Mbam & Djerem National Park. San Diego Zoo Wildlife Alliance now provides institutional funding to support the Station and Center.
- Support for the Bioko Biodiversity Protection Program, Tusk Trust, Wildlife Ranger Challenge. 2021. Gonder (PI). \$40,000.
- Reducing bushmeat supply and demand by increasing wildlife security on Bioko Island, Equatorial Guinea. U.S. Department of State. 2020-2021. Gonder (PI) \$10,000.00.
- Support for BBPP bushmeat survey. Los Angeles Zoo and Botanical Gardens, Greater Los Angeles Zoo Association, Conservation Grant Program. Gonder (PI). 2013 – 2021. Amount awarded to date: \$35,000.
- Reducing bushmeat supply and demand by increasing wildlife security on Bioko Island, Equatorial Guinea. U.S. Fish & Wildlife Service, Wildlife Without Borders. 2017-2019. Gonder (PI) \$299,993.
- Protecting and studying the Nigeria-Cameroon chimpanzee (*Pan troglodytes ellioti*) at Mbam & Djerem National Park (MDNP), Cameroon. U.S. Fish & Wildlife Service, Great Apes Program. 2018-

2019. Gonder (PI) \$90,203.40.
- SMART Program Implementation. (Bioko Island, Equatorial Guinea). U.S. Department of State, Fixed Obligation Grant. 2018. Gonder (PI). \$10,000.
 - Promoting the conservation of biodiversity and sustainable livelihoods in the villages of the Gran Caldera de Luba Scientific Reserve. United Nations Development Program. 2018-2019. Gonder (PI) \$15,000.
 - SMART Training Workshop for Improved Biomonitoring and Conservation in the Gran Caldera Scientific Reserve Bioko, U.S. Department of State, Fixed Obligation Grant. 2018. Gonder (PI). \$10,000.
 - NSF-PIRE: Mapping evolutionary process in the face of climate change: an integrated approach to education and conservation prioritization in the Congo Basin. 2013-2018. National Science Foundation, Office of International Science and Engineering. Gonder (co-PI), Thomas B. Smith (PI) and Nicola Anthony (co-PI). \$4,950,000. Gonder Subaward: \$1,036,013
 - Environmental community outreach theater events in 6 locations in April and May, 2018. U.S. Department of State, Fixed Obligation Grant. 2018. Gonder (PI). \$5,000.
 - Support for the Bioko Biodiversity Protection Program's operations, through economically self-sustaining programs that demonstrate the value of conserving Equatorial Guinea's unique wildlife 2017-2018. Margot Marsh Biodiversity Foundation. Gonder (PI) and Wayne Morra (Co-PI). \$15,000.
 - Improvement of Ecotourism Infrastructure at BBPP research camps for the benefit of local people and improved conservation in the Gran Caldera Scientific Reserve. German Embassy of Equatorial Guinea. Gonder (PI). €10,000
 - Advancing biodiversity conservation on Bioko Island with a capacity-building, international program in collaboration with the National University of Equatorial Guinea. Anonymous donor. 2017. \$20,000
 - Reducing bushmeat supply and demand by increasing wildlife security on Bioko Island, Equatorial Guinea. 2015-2017. U.S. Fish & Wildlife Service, Wildlife Without Borders. Gonder (PI) \$259,608.
 - Advancing biodiversity conservation and sustainable livelihoods along Bioko's southern beaches in the Gran Caldera Scientific Reserve (Bioko Island, Equatorial Guinea). 2016-2017. United Nations Development Program. Gonder (PI) \$19,400.
 - Advancing biodiversity conservation and sustainable livelihoods along Bioko's southern beaches in the Gran Caldera Scientific Reserve (Bioko Island, Equatorial Guinea). 2016-2017. United States Embassy Malabo Equatorial Guinea, Gonder (PI) \$10,250.
 - Support for BBPP's educational outreach program. 2016. Noble Energy. Gonder (PI) \$45,000
 - Bringing ecotourism to the Gran Caldera Scientific Reserve, Bioko Island, Equatorial Guinea through the development of a wildlife center in the village of Ureca. 2015-2016. United Nations Development Program, Gonder (PI) \$15,000
 - Bringing ecotourism to the Gran Caldera Scientific Reserve, Bioko Island, Equatorial Guinea through the development of a wildlife center in the village of Ureca. 2015-2016. United States Embassy Malabo Equatorial Guinea, Gonder (PI) \$6,000.
 - Mapping evolutionary process on Bioko Island to improve conservation planning under climate change. National Geographic, Committee on Research and Exploration. 2014-2015. Gonder (PI). \$25,000.
 - Continuing protection by local forest patrols for Bioko Island's endangered monkeys. 2015. International Primate Protection League. Gonder (PI). \$5,000
 - Translating science into policy to develop an effective management plan for the Gran Caldera-Southern Highlands Scientific Reserve, Bioko Island, Equatorial Guinea. U.S. Department of State, Fixed Obligation Grant. 2014-2015. Gonder (PI). \$9,000.

- Translating science into policy to develop an effective management plan for the Gran Caldera-Southern Highlands Scientific Reserve, Bioko Island, Equatorial Guinea. Marathon Oil. 2015. Gonder (PI). \$9,000.
- Wildlife conservation through education and capacity building on Bioko Island, Equatorial Guinea. 2014. Equatorial Guinea LNG. Gonder (PI). \$25,000
- US-Gabon Workshop 2011: Evolution and conservation of Central African biological diversity: new approaches and avenues for international collaboration. National Science Foundation, Office of International Science and Engineering. 2010-2011. Gonder (co-PI) and Nicola Anthony (PI). \$58,855
- The genetic history of chimpanzees in Nigeria and Cameroon. National Science Foundation, Physical Anthropology Senior Research Grant. 2007-2011. Gonder (PI). \$317,214
- Conservation of one of the most endangered apes in Africa: Developing a Conservation Action Plan for the Nigeria-Cameroon chimpanzee (*Pan troglodytes vellerosus*). United States Fish and Wildlife Service, Great Ape Conservation Fund. 2009-2010. Gonder (Senior Personnel), Bethan Morgan (PI), Other Senior Personnel: Andrew Dunn, John Oates, Aaron Nicolas, and Jacqueline Sunderland-Groves. \$8,050
- Conservation of one of the most endangered apes in Africa: Developing a Conservation Action Plan for the Nigeria-Cameroon chimpanzee (*Pan troglodytes vellerosus*). Arcus Foundation, Great Apes Program. 2009-2010. Gonder (Senior Personnel), Bethan Morgan (PI), Other Senior Personnel: Andrew Dunn, John Oates, Aaron Nicolas, and Jacqueline Sunderland-Groves. \$38,420
- The biogeography of the Sanaga River Basin: Testing the riverine barrier hypothesis using great apes and forest ungulates. National Geographic Society, Explorers Grant. 2009-2010. Gonder (PI) and Nicola Anthony (co-PI). \$14,000. Gonder portion, \$10,000
- The evolutionary genetics of chimpanzees in Nigeria and Cameroon. Dissertation Improvement Award. National Science Foundation. 1997-1999
- The evolutionary genetics of chimpanzees in Nigeria and Cameroon. Small Grant. L.S.B. Leakey Foundation 1997-1999
- The evolutionary genetics of chimpanzees in Nigeria and Cameroon. Pre-Doctoral Small Grant. Wenner-Gren Foundation. 1997-1998
- The evolutionary genetics of chimpanzees in Nigeria and Cameroon. Research Grant. Primate Conservation, Inc. 1997
- Pre-Dissertation Travel Grant, City University of New York. 1995

Intramural Grants and Awards

- Biomedical Sciences Summer Program Development, Dean's Excellence Award, College of Arts and Sciences, 2021 - 2023
- Replacement of Biology common departmental equipment, Provost's Scholarly Materials & Research Equipment Award for Tenure/ Tenure-Track Faculty, 2022 – 2023
- Academic Year Sabbatical Award, 2020 – 2021
- Individual Development Award, United University Professionals. 2011. \$750

Fellowships and Scholarships

- IRTA Post-Doctoral Training Fellowship. National Institutes of Health. 2000-2002
- Graduate Research Fellowship. National Science Foundation 1993-1999
- New York Consortium in Evolutionary Primatology. National Science Foundation, 1993-1999
- Forensics Academic Scholarship. University of Alabama at Birmingham. 1988-1990

External funding awarded to trainees (Since 2013)

- When life gives you insects: Patterns of insectivory in Nigeria-Cameroon chimpanzees in Mbam & Djerem National Park. L.S.B Leakey Foundation. Dissertation Research award to Tyler Andres-Bray. 2016-2017. \$15,000 (Ph.D. expected June 2024).
- Balancing Development and Conservation in Cameroonian Agriculture. Fulbright Student Program Research Fellowship to Ian Nichols, Ph.D. Student, Drexel Biology. 2018 – 2019. \$24,000
- Linking behavioral diversity with genetic and ecological variation in the Nigeria-Cameroon chimpanzee (*Pan troglodytes ellioti*). L.S.B Leakey Foundation. Dissertation Research award to Ekwoke Abwe. 2016-2017. \$15,000 (Ph.D. awarded June 2018).
- Linking behavioral diversity with genetic and ecological variation in the Nigeria-Cameroon chimpanzee (*Pan troglodytes ellioti*). Primate Conservation, Inc. Dissertation Research award to Ekwoke Abwe. 2016-2017. \$3,000. (Ph.D. awarded June 2018).

AWARDS, PRIZES AND OTHER HONORS

- Concordia Organization, Global Member Award. 2020 – 2022
- The Torch Award, an annual award given to a single faculty member in recognition of outstanding contributions to the graduating class at UAlbany. 2011
- Outstanding Anthropology Graduate Award, University of Alabama at Birmingham. 1992
- Golden Key National Honors Society. 1992
- Phi Kappa Phi National Honors Society. 1992

PUBLICATIONS

Post-doctoral associates and students are underlined.

Peer-Reviewed Papers

Papers in revision, in review, and in preparation as of August 2023 (4 total)

Mitchell, M.W., D.M. Venditti, W. Alexander, R.J. Harrigan, J. Dordel, F. Kentatchime, B.S. Featherstone, E.E. Abwe, P.R. Sesink Clee, A.E. Abwe, S. Locatelli, B.J. Morgan, B. Fosso, R. Fotso, M. Peeters, B.H. Hahn, N.M. Anthony, T.B. Smith, **M.K. Gonder**. The case for ecological speciation in chimpanzees, *Proceedings of the National Academy of Sciences, USA*, in review.

Eppley, T.M et al. Field stations yield high return-on-investment for conservation, *Conservation Letters*, in review.

Venditti-Mitchell, D.M. and **M. K. Gonder**. The impact of the COVID-19 pandemic on the wildmeat economy in Central Africa: Evidence from 23 years of daily market surveys in Equatorial Guinea, in prep.

Published (46 total)

Garzon, F., C. Barrientos, R. Esono Anvene, F. Esono Mba, A. Fallabrino, A. Formia, B.J. Godley, **M.K. Gonder**, L.A. Hawkes, C. Martinez Prieto, J. Mba Ayetebe, K. Metcalfe, D. Montgomery, J. Nzogo, J-C Ondo Nze, E. Possardt, E.R. Salazar, M. Tiwari, and M.J.Witt. Spatial ecology and conservation of

- Leatherback turtles (*Dermochelys coriacea*) nesting in Bioko, Equatorial Guinea, *PLoS One*, 18(6): e0286545 (<https://doi.org/10.1371/journal.pone.0286545>).
- Abang, A.F., S.N. Nanga, R.M.O. Esi Ndanda, A.R. Doumtsop Fotio, **M.K. Gonder**, Kouebou C., Suh C., Fotso Kuate A., Komi K. M. Fiaboe, Hanna R. (2022). Reliability of Pheromone Trap Catches and Maize Plant Damage as Criteria for Timing Fall Armyworm Control Interventions in Humid Forest Agroecology of Central Africa (J. Munyaneza, editor). *Journal of Economic Entomology*. 115(6): 1806–1816 (<https://doi.org/10.1093/jee/toac087>)
- Scully, E.J., W. Liu, Y. Li, J.N. Ndjango, M. Peeters, S. Kamenya, A.E. Pusey, E.V. Lonsdorf, C.M. Sanz, D.B. Morgan, A.K. Piel, F.A. Stewart, **M.K. Gonder**, N. Simmons, C. Asiimwe, K. Zuberbühler, K. Koops, C.A. Chapman, R. Chancellor, A. Rundus, M.A. Huffman, N.D. Wolfe, M.T. Duraisingh, B.H. Hahn and R.W. Wrangham (2022). The ecology and epidemiology of malaria parasitism in wild chimpanzee reservoirs, *Nature Communications Biology* 5, 1020. (<https://doi.org/10.1038/s42003-022-03962-0>)
- Branch, D., S. Moka Sharpe, L.M. Miguel, M.A. Silochi Pons, F. Mitogo Michá, A. Motove Etingüe, J.C. Nze Avomo, P. Owono Nchama, J.M. Esara Echube, M. Fero Meñe, B. Featherstone, D. Montgomery, **M.K. Gonder**, and D. Fernández, Accessibility to protected areas increases primate hunting intensity in Bioko Island, Equatorial Guinea (2022). *Frontiers in Conservation Sciences*. (Vol. 3, Article 78-162, April 2-22), pp. 1 – 15 (<https://doi.org/10.3389/fcosc.2022.780162>)
- Miller, S.M., J. Wiethase, A. Etingue, E. Franklin, M.Fero, J. Wolfe, L. Powell, and **M.K. Gonder** (2021). Interactive effects of elevation and newly paved road on avian community composition in a scientific reserve, Bioko Island, Equatorial Guinea, *Biotropica*, Vol 53 (Issue 6), 1646-1663 (<https://doi.org/10.1111/btp.13014>)
- Smith, T.B., T.L. Fuller, Y. Zhen, V. Zaunbrecher, H.A. Thomassen, K. Njabo, N.M. Anthony, **M.K. Gonder**, W. Buermann, B. Larison, K. Ruegg and Ryan J. Harrigan (2021). Genomic vulnerability and socio-economic threats under climate change in an African rainforest bird, *Evolutionary Applications*, 00:1–9 (<https://doi.org/10.1111/eva.13193>).
- Abwe, E.E., B.J. Morgan, R. Doudja, F. Kentatchime, F. Mba, A. Dadjo, D.M. Venditti, M.W. Mitchell, B. Fosso, A. Mouna, R.C. Fotso and **M.K. Gonder** (2020). Dietary Ecology of the Nigeria–Cameroon Chimpanzee (*Pan troglodytes ellioti*), *International Journal of Primatology*, Vol. 41, 81 - 104. (<https://doi.org/10.1007/s10764-020-00138-7>).
- Kamgang, SA, CC Tuneu, S.K. Bobo, E.E. Abwe, **M.K. Gonder**, and B. Sinsin (2020). Assessment of the nest decay time for chimpanzees (*Pan troglodytes ellioti* Matschie, 1914) in Mbam-Djerem National Park, Cameroon: Implications for a long-term monitoring. *Primates*, Vol 61, 189 - 200. (<https://doi.org/10.1007/s10329-019-00768-3>).
- Ingram, D.J., D.T. Cronin, D.W.S. Challender, D.M. Venditti and **M.K. Gonder** (2019). Illegal pangolin trade in the Gulf of Guinea. *Conservation Biology*, Vol. 17 e00576. (<https://doi.org/10.1016/j.gecco.2019.e00576>)
- Abwe, E.E., B.J. Morgan, B. Tchiengue, F. Kentatchime, R. Doudja, M.E. Ketchen, E. Teguaia, R. Ambahe, D.M. Venditti, M.W. Mitchell, B. Fosso, A. Mouna, R.C. Fotso and **M.K. Gonder** (2019). Niche differentiation among three Nigeria-Cameroon chimpanzee (*Pan troglodytes ellioti*) populations. *Ecology and Evolution*, 1-12. (<https://doi.org/10.1002/ece3.4871>)
- Bibollet-Ruche, F., R.M. Russell, W. Liu, G.B.E. Stewart-Jones, S. Sherrill-Mix, Y. Li, G.H. Learn, A.G. Smith, M.V.P. Gondim, L.J. Plenderleith, J.M. Decker^f, J.L. Easlick^g, K. Sheehan Wetzel, R.G. Collman, S. Ding, A. Finzi, A. Ayoub, M. Peeters, F.H. Leendertz, J. van Schijndel, A. Goedmakers, E. Ton, C. Boesch, H. Kuehl, M. Arandjelovic, P. Dieguez, M. Murai, C. Colin, K. Koops, S. Speede, **M.K. Gonder**, A.V. Georgiev, M.N. Mueller, V. Sommer, C.M. Sanz, D.B. Morgan, R. Atencia, D. Cox, A.K. Piel, F. A. Stewart, J.-B.N. Ndjango, D. Mjungu, E.V. Lonsdorf, A.E. Pusey, P. Bertolani, J.A. Hart, T.B. Hart, P.D. Kwong, P.M. Sharp, G.M. Shaw and B.H. Hahn (2019). CD4 receptor diversity in chimpanzees

- protects against SIV infection. *Proceedings of the National Academy of Sciences of the United States of America*. 16(8):3229-3238. (doi: 10.1073/pnas.1821197116).
- Kamgang, S.A., S.K. Bobo, F. Maisels, R.D.S. Amabahe, D.E. Amabassa Ongono, **M.K. Gonder**, P. Johnson, J. Marino and B. Sinsin (2018). Relationship between chimpanzee (*Pan troglodytes ellioti*) abundance and habitat: A conservation concern in Mbam and Djerem National Park, Cameroon. *BMC Ecology*, 18(1):40. (<https://doi.org/10.1186/s12898-018-0199-3>)
- Mitchell, M.W., S. Locatelli, L. Ghobrial, and **M.K. Gonder** (2018). Male-driven differences in chimpanzee community structure is tied to habitat variation in Cameroon and Nigeria. *International Journal of Primatology*, published online August 10, 2018. (<https://doi.org/10.1007/s10764-018-0053-7>)
- Fuller, T.L., T.P. Narins, J. Nackoney, T.C. Bonebrake, P.R. Sesink Clee, K. Morgan, A. Tróchez, D. Bocuma Meñe, E. Bongwele, K.Y. Njabo, N.M. Anthony, **M.K. Gonder**, M. Kahn, W.R. Allen, and T.B. Smith. (2018a) Assessing the impact of China's timber industry on Congo Basin land use change. *Area*. (<https://doi.org/10.1111/area.12469>)
- Ley, A.C., P. Herzog, S. Lachmuth, A.E. Abwe, M.F. Christian, P.R. Sesink Clee, E.E. Abwe, B.J. Morgan and **M.K. Gonder** (2018) Phenotypic variability along a climatic gradient in a perennial Afrotropical rainforest understorey herb., *Basic and Applied Ecology*, 28: 60-75. (<https://doi.org/10.1016/j.baae.2018.02.010>)
- Fuller, T.L., P.R. Sesink Clee, K.Y. Njabo, **M.K. Gonder**, W.R. Allen, R. Hanna, T.B. Smith (2018b). Climate warming causes declines in crop yields lowers school attendance rates in Central Africa. *Science of the Total Environment*, 610-611: 503-150 (<https://doi.org/10.1016/j.scitotenv.2017.08.041>)
- Forrest, D.L., F. Muatiché, **M.K. Gonder** and D.T. Cronin (2017). Primate communities along a protected area border: the value of a long-term research site to primate conservation. *African Primates*, 12: 23-26. (<http://static1.1.sqspcdn.com/static/f/1200343/27782496/1513708496293/Vol+12+-+Forrest+et+al.pdf?token=11ldwDzdacSx7SiQSwXNPH4GLwA%3D>)
- Cronin, D.T., P.R. Sesink Clee, M.W. Mitchell, D. Bocuma Meñe, D. Fernández, C. Riaco, M. Fero Meñe, J.M.E. Echube, G.W. Hearn, and **M.K. Gonder** (2017). Conservation strategies for understanding and combating the primate bushmeat trade on Bioko Island, Equatorial Guinea. *American Journal of Primatology*. e22663. (<https://doi.org/10.1002/ajp.22663>)
- Ntie, S., A. Davis, K. Hils, P. Mickala, H. Thomassen, K. Morgan, H. Vanthomme, **M. K. Gonder**, N. Anthony (2017). Evaluating the role of Pleistocene refugia, rivers and environmental variation in the diversification of central African duikers (genera *Cephalophus* and *Philantomba*). *BMC Evolutionary Biology*, 17: 212 (<https://doi.org/10.1186/s12862-017-1054-4>).
- Leendertz, S.J., S.A. Wich, M. Ancrenaz, R.A. Bergl, **M.K. Gonder**, T. Humle, F. Maisels and F.H. Leendertz (2017). Ebola in great apes – current knowledge, possibilities for vaccination and the implications for conservation and human health. *Mammal Review*, 47(2): 98-111. (<https://doi.org/10.1111/mam.12082>)
- Locatelli, S., M. W. Mitchell, P. Sesink Clee, R. Harrigan, K. A. McKean, T.B. Smith and **M.K. Gonder** (2016). Why are Nigeria-Cameroon chimpanzees (*Pan troglodytes ellioti*) free of SIVcpz infection? *PLoS ONE* 11(8): e0160788 (<http://dx.doi.org/10.1371/journal.pone.0160788>)
- Cronin, D.T., C. Riaco, J.M. Linder, R.A. Bergl, **M.K. Gonder**, M.P. O'Connor, and G. W. Hearn (2016). Impact of gun-hunting on monkey species and implications for primate conservation on Bioko Island, Equatorial Guinea. *Biological Conservation*, 197, 180- 189. (doi:10.1016/j.biocon.2016.03.001).
- Cronin, D.T., S. Woloszynek, W.A. Morra, S. Honarvar, J.M. Linder, **M.K. Gonder**, M.P. O'Connor, G.W. Hearn (2015). Long-term urban market dynamics reveal increased bushmeat carcass volume despite economic growth and proactive environmental legislation on Bioko Island, Equatorial Guinea. *PLoS ONE*, 10(7): e0134464. (doi:10.1371/journal.pone.0134464).
- Mitchell, M.W., S. Locatelli, L. Ghobrial, A.A. Pokempner, P.R. Sesink Clee, E.E. Abwe, A. Nicolas, L. Nkambi, N.M. Anthony, B.J. Morgan, R. Fotso, M. Peeters, B.H. Hahn and **M.K. Gonder** (2015a). The

- population genetics of wild chimpanzees in Cameroon and Nigeria suggests a positive role for selection in the evolution of chimpanzee subspecies. *BMC Evolutionary Biology*, 15:3. (DOI 10.1186/s12862-014-0276-y).
- Sesink Clee, P.R., E.E. Abwe, R.D. Ambahe, N.M. Anthony, R. Fotso, S. Locatelli, F. Maisels, M.W. Mitchell, B.J. Morgan, A.A. Pokempner and M.K. Gonder (2015). Chimpanzee population genetic structure in Cameroon and Nigeria is associated with habitat variation that may be lost under climate change. *BMC Evolutionary Biology*, 15:2. (DOI 10.1186/s12862-014-0275-z)
- Mitchell, M.W., S. Locatelli, P.R. Sesink Clee, H.A. Thomassen and M.K. Gonder (2015b). Environmental variation and rivers govern the structure of chimpanzee genetic diversity in a biodiversity hotspot. *BMC Evolutionary Biology*, 15:2. (DOI 10.1186/s12862-014-0274-0)
- Anthony, N., C. Atteke, M.W. Bruford, F. Dallmier, O. Hardy, F. Koumba Pamo, B. Irahim, K.A. Jeffery, S. Lahm, J. Lowenstein, F. Maisels, J.F. Mboumba, S. Ntie, T.B. Smith, J.P. Sullivan, E. Verheyen, and **M.K. Gonder** (2015). Evolution and conservation of central African biodiversity: A road map for future international collaboration in research, conservation and education. *Biotropica* 47 (1): 6-17. *Published as early view online.* (DOI 10.1111/btp.12188).
- Locatelli, S., K. McKean, P.R. Sesink Clee and M.K. Gonder (2014). Evolution of resistance to Simian Immunodeficiency Virus: A review. *International Journal of Primatology*, 2014, 35, 349-375. (DOI 10.1007/s10764-014-9763-7).
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PRESENTATIONS

Invited

Abwe, E.E., B. J. Morgan, R. Doudja, R. Fotso, B. Fosso, A. Mouna, E. Domkam, F. Kentatchime, A. Dajo, F. Mba, B. Tchiengue and **M. K. Gonder**. Linking behavioral diversity with genetic and ecological variation in the Nigeria-Cameroon chimpanzee (*Pan troglodytes ellioti*) in Cameroon. XXVII Congress of the International Primatological Society, Nairobi, Kenya. August 18 – 25, 2018.

Fernández, D., D. T. Cronin, S. C. Miller, D. Montgomery, A. Motove Etingüe, D. Venditti, J. Wiethase and **M. K. Gonder**. A new silent forest? Primate hunting in newly accessible areas decreases overall biodiversity in Bioko island, Equatorial Guinea. XXVII Congress of the International Primatological Society, Nairobi, Kenya. August 18 – 25, 2018.

Gonder, M.K., M.W. Mitchell, D. Venditti and J. Dordel. The ecological and genetic impacts of climate change on the chimpanzees of Cameroon.. XXVII Congress of the International Primatological Society, Nairobi, Kenya. August 18 – 25, 2018.

Kamgang, A.S., S. K. Bobo, F. Maisels, R. Ambahe, E. Ambassar, **M. K. Gonder**, P. Johnson, J. Marin and B. Sinsin. Chimpanzee abundance along ecological gradients in Mbam and Djerem National Park. XXVII Congress of the International Primatological Society, Nairobi, Kenya. August 18 – 25, 2018.

Mitchell, M.W., E. E. Abwe, W. Alexander, B. S. Featherstone, R. J. Harrigan, F. Kentatchime, P. R. Sesink Clee, D. M. Venditti and **M. K. Gonder**. High resolution SNP genotyping in wild chimpanzees and the case for ecological speciation in Cameroon. XXVII Congress of the International Primatological Society, Nairobi, Kenya. August 18 – 25, 2018.

Venditti, D.M., D. T. Cronin, P. R. Sesink Clee, D. Fernández, J. R. Owens, M. Grande-Vega, C. Riaco, F. Rioso Etingue, B. S. Featherstone, J. Gómez Soto, D. Á. Ndong Bee, W. A. Morra, M. Fero Meñe, J. M. Esara Echube, M. P. O'Conner, G. W. Hearn and **M. K. Gonder**. Discerning primate conservation status via novel synthesis of density and niche models. XXVII Congress of the International Primatological Society, Nairobi, Kenya. August 18 – 25, 2018.

Venditti, D.M., S. Woloszynek, D. T. Cronin, D. Bocuma Meñe, G. Hearn and **M. K. Gonder**. A 20-year reassessment of the Malabo bushmeat market: Are we making a difference? XXVII Congress of the International Primatological Society, Nairobi, Kenya. August 18 – 25, 2018.

Cronin, D.T., P.R. Sesink Clee, J. R. Owens, D. Fernández, M. Grande Vega, C. Riaco, M. Fero Meñe, J.M. Esara Echube, J.E. Fa, G.W. Hearn, **M.K. Gonder**. Updating the conservation status of Bioko's diurnal primates using population density estimates and habitat suitability modeling. Joint Meeting of the International Primatological Society and the American Society of Primatologists, Chicago, IL. August 2016.

Mitchell, M. W., S. Locatelli, A.A. Pokempner, P. R. Sesink Clee, and **M. K. Gonder**. The role of environmental gradients in generating genetic diversity among chimpanzees in a biodiversity hotspot, with implication for conservation planning. International Society of Primatology, Hanoi, Vietnam, August 2014

- Gonder, M.K., S. Locatelli, M.W. Mitchell, A. Pokempner, P.R. Sesink Clee.** Forest history, riverine boundaries and divergent selection across ecotones drive chimpanzee speciation. XXIV Congress of the International Society of Primatologists, August 12-17, 2012, Cancun, Mexico.
- Morgan, B.J., A. Dunn, **M.K. Gonder**, R. Kormos, F. Maisels, A. Nicholas, J. Sunderland-Groves, E.A. Williamson. Do primate conservation action plans work? XXIV Congress of the International Society of Primatologists, August 12-17, 2012, Cancun, Mexico.
- S. Locatelli, L. Ghobrial and **M.K. Gonder**. Demographic history and genetic differentiation in chimpanzees from the Gulf of Guinea region. XXIII Congress of the International Society of Primatologists, September 17, 2010, Kytoto, Japan.
- Gonder, M.K., S. Locatelli, and L. Ghobrial.** Fine scale population structure of chimpanzees at the Sanaga River in Cameroon. XXIII Congress of the International Society of Primatologists, September 17, 2010, Kytoto, Japan.
- Gonder, M.K., S. Locatelli, L. Ghobrial and A.D. Sheppard. The genetic history of chimpanzees in the Gulf of Guinea region. **M.K.** Society for Molecular Biology and Evolution, June 3-7, 2009 Iowa City, IA.**
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Contributed

- Andres-Bray, T.C., I. Nichols, E.E. Abwe and **M.K. Gonder** (2022). Correlates of Chimpanzee Termite Fishing Variation in Mbam & Djerem National Park, Cameroon. American Association for the Advancement of Science, Washington, DC.
- Andres-Bray, T.C., I. Nichols, E.E. Abwe and **M.K. Gonder** (2022). Patterns of Tool Use and Tool Making Behaviors of *Pan troglodytes ellioti* Across Diverse Habitats in Mbam & Djerem National Park. International Primatological Society Conference, Quito, Ecuador.
- Featherstone B.S., M.W. Mitchell, J. Dordel, G.A. Al-Ghalith, J.B. Clayton, K.A. Amato, D. Knights and **M.K. Gonder** (2021). Phylogeny vs Environment: Habitat and phylogenetic relationships shape the gut microbiome of non-human primates (Oral Presentation). Children's Hospital of Philadelphia, Philadelphia, PA.
- Andres-Bray, T.C., I. Nichols, E.E. Abwe, F. Kentatchime, J. Ariel and **M.K. Gonder** (2021). Patterns of Tool Use and Tool Making Behaviors of the Nigeria-Cameroon Chimpanzee (*Pan troglodytes ellioti*). College of Arts and Sciences Research Day, Philadelphia, PA.
- Featherstone B.S., D.M Venditti, J.C. Ondo Nze, F.M. Micha, H. Rader, G.W. Hearn, R. Esono, F. Esono, and **M.K. Gonder**. Implementation of SMART on Bioko Island, Equatorial Guinea (Oral Presentation). Global SMART Marine Training, East Portland, Jamaica 2019
- Featherstone B.S., D.M Venditti, J.C. Ondo Nze, F.M. Micha, H. Rader, G.W. Hearn, R. Esono, F. Esono, and **M.K. Gonder** (2019). 20-Year assessment of marine turtle nesting ecology on Bioko Island, Equatorial Guinea (Poster). International Sea Turtle Symposium, Charleston, SC
- Featherstone, B.S., D. Venditti and **M. K. Gonder**. Factors influencing the gut microbiome diversity of non-human primates on Bioko Island, Equatorial Guinea. (Contributed paper.). XXVII Congress of the International Primatological Society, Nairobi, Kenya. August 18 – 25, 2018.
- Featherstone, BS, D.T. Cronin, and **M.K. Gonder**: Implementing the Spatial Monitoring and Reporting Tool (SMART) to improve research, conservation and anti-poaching efforts on Bioko Island, Equatorial Guinea (Poster). International Research Showcase, Drexel University, Philadelphia, PA, 2018

- Gonder, M.K., W. Alexander, J. Dordel, M.W. Mitchell, P.R. Sesink Clee, J. E. Fa, F.Lankester, E.L. Gadsby, P.D. Jenkins and J.A. Kiyang** Tracing the origins of sanctuary chimpanzees and identifying conservation threats with SNP genotypes and predictive spatial modeling. (Poster). XXVII Congress of the International Primatological Society, Nairobi, Kenya. August 18 – 25, 2018
- Alexander, W. (M.K. Gonder, advisor). Understanding chimpanzee trafficking with population genetics. (Poster). AAAS Annual Meeting. Boston, MA. February 15 – 19, 2018.
- Oyamaguchi, H and **MK Gonder**. Thermal sensitivity of tropical ectotherms and their vulnerability to climate change. (Poster). 28th International Congress for Conservation Biology, Cartagena, Colombia. July 2017.
- Alexander, W., J. Dordel, M.W. Mitchell and **M.K. Gonder**. Understanding *Pan troglodytes* Trafficking with Population Genetics” (Contributed paper). *Week of Undergraduate Excellence*. Drexel University, Philadelphia, PA May 1-5, 2017.
- Venditti, DM, B Featherstone, B, A Nguere Ndong; JC Ondo Nze, GW Hearn, and MK Gonder Monitoring and mitigating anthropogenic threats on marine turtles on Bioko Island, Equatorial Guinea. (Poster) *International Sea Turtle Symposium* Las Vegas, Nevada. April 2017
- Alexander, W., J. Dordel, M.W. Mitchell and **M.K. Gonder**. Understanding *Pan troglodytes* trafficking with population genetics. (Poster). *Drexel Emerging Graduate Scholars Conference*. Drexel University, Philadelphia, PA. April 27, 2017. *Won 2nd place poster award.
- Alexander W., J. Dordel, M.W. Mitchell and **M.K. Gonder**. Understanding *Pan troglodytes* trafficking with population genetics” (Poster). *Evolution in Philadelphia Conference (EPiC)* University of Pennsylvania, Philadelphia, PA. April 2017. *Won Best Poster award.
- Miller, S.C., A.Motove Etingue, Jason Weckstein and M.K. Gonder. Characterization of avian Haemosporidians among island and mainland populations in Equatorial Guinea, Central Africa (Poster). *Evolution in Philadelphia Conference (EPiC)* University of Pennsylvania, Philadelphia, PA. April 2017.
- Alexander, W., J. Dordel, M.W. Mitchell and **M.K. Gonder**. Understanding *Pan troglodytes* trafficking with population genetics. (Contributed paper). *Student Conference on Global Challenges: Crossing Borders*. Drexel University, Philadelphia, PA. March 2, 2017
- Oyamaguchi, HM, M.W. Mitchell and **MK Gonder**. Thermal sensitivity of tropical amphibians and their vulnerability to climate change. (Contributed paper) European Congress of Tropical Ecology, Brussels, Belgium. February 2017.
- Gonder, M.K, D.T. Cronin** and **D. Bocuma Meñe**. Reducing bushmeat supply and demand by increasing wildlife security on Bioko Island, Equatorial Guinea. April 2017. (Contributed paper) USFWS Forum on Combating the Commercial Bushmeat Trade, Washington, DC – Oct. 4, 2016.
- Featherstone, B., M.K. Gonder, J. Dordel, S. Miller, M. Mitchell, D.T. Cronin, P.R. Sesink Clee, and D.M. Venditti. Preliminary study investigating the gut microbiome of two sympatric endemic primates, red colobus (*Procolobus pennantii*) and Bioko drill (*Mandrillus leucophaeus poensis*), on Bioko Island, Equatorial Guinea. (Poster) Joint Meeting of the International Primatological Society and the American Society of Primatologists, Chicago, IL. August 2016.
- Mitchell, M., J. Dordel, B.S. Featherstone, G.A. Al-Ghalith, J.B. Clayton, K.A. Amato, D. Knights and M.K. Gonder. The chimpanzee gut microbiome in a biodiversity hotspot.” (Contributed paper). Joint meeting of the International Primatological Society and the American Society of Primatologists; Chicago, IL. August 25, 2016
- Sesink Clee, P.R. and M. K. Gonder. “Niche Differentiation between Simian Foamy Virus (SFV) and Simian Immunodeficiency Virus (SIV) in Chimpanzees. (Poster). 2016 CABAlliance Research Symposium Congo Basin Institutes Yaoundé, Cameroon. July 7, 2016

- Venditti, D.M., B. Featherstone, G.W. Hearn and M.K. Gonder. “Long Term Population Trends of Four Species of Marine Turtles on Bioko Island, Equatorial Guinea” (Poster). 2016 CABAlliance Research Symposium Congo Basin Institutes Yaoundé, Cameroon. July 7, 2016
- Lipshutz, D., F. Muatliche, D.T. Cronin and M.K. Gonder. The impact of hunting on diurnal primates along protected area boundaries on Bioko Island, Equatorial Guinea” (Poster). 2016 CABAlliance Research Symposium Congo Basin Institutes Yaoundé, Cameroon. July 7, 2016
- Mitchell, M.W., J. Dordel, and M.K. Gonder. Chimpanzee speciation in a biodiversity hotspot.” (Contributed paper). 2016 CABAlliance Research Symposium Congo Basin Institutes Yaoundé, Cameroon. July 7, 2016
- Oyamaguchi, H.M., G. Tasse, E. Fokam and M.K. Gonder Phenotypic variation in the Puddle frog (*Phrynobatrachus auritus*) across environmental gradients in the African Guineo–Congolian rainforest. (Posters). Evolution meeting, Austin, Texas. June 2016
- Dordel, J., M.W. Mitchell, P.H. Sudmant, and M.K. Gonder. Towards a high resolution understanding of the evolutionary forces shaping the population structure of common chimpanzees. Biology of Genomes, Cold Spring Harbor, NY, USA. May 2016.
- Dordel, J., M.W. Mitchell, P.H. Sudmant, M.K. Gonder. Towards a Deep Understanding of the Evolutionary Forces Shaping the Genome of Chimpanzees. (Poster). AAAS Annual Meeting, Washington DC. February 2016
- Mitchell, M.W., P.R. Sesink Clee, and M.K. Gonder. Landscape genetics of chimpanzees in Central Africa and implications for conservation planning. (Poster). AAAS 2016 Annual Meeting, Washington, D.C. February 2016
- Oyamaguchi H.M., G. Tasse, E. Fokam , and M.K. Gonder “Thermal Acclimation and Tolerance in The Túngara Frog (*Engystomops pustulosus*)” (Poster). AAAS 2016 Annual Meeting, Washington, D.C. February 2016
- Cronin, D.T., P.R. Sesink Clee, G.W. Hearn and M.K. Gonder. Primates as umbrella taxa for biodiversity conservation on Bioko Island, Equatorial Guinea. (Poster). AAAS 2016 Annual Meeting, Washington, D.C. February 14, 2016
- Cronin, D.T., P. Sesink Clee, D. Bocuma Meñe, G.W. Hearn, and M. K. Gonder. Conservation strategies for understanding and combating the primate bushmeat trade on Bioko Island, Equatorial Guinea. (Poster). Drexel in Africa Poster Fair & Reception at Drexel University, Philadelphia, PA. October 22, 2015
- Dordel, J., M.W. Mitchell, P.H. Sudmant, M.K. Gonder. Towards a high resolution understanding of the evolutionary forces shaping the population structure of common chimpanzees”. (Poster). Drexel in Africa Poster Fair & Reception at Drexel University, Philadelphia, PA. October 22, 2015
- Dordel, J., M.W. Mitchell, P.H. Sudmant, and M.K. Gonder. Towards a high resolution understanding of the evolutionary forces shaping the population structure of common chimpanzees”. (Poster). Mathematical and Computational Evolutionary Biology conference, Porquerolles, France. June 22, 2015
- Abwe, E., D. Mfossa, M. Ndimbe, B. Morgan, and M.K. Gonder. Club des Amis des Gorilles: Community-driven conservation in the Ebo Forest, Cameroon. (Contributed paper). 15th Congo Basin Forest Partnership Meeting of Partners, Yaoundé, Cameroon. June 18, 2015
- Gonder, M.K.** Science informing policy and setting the stage for responsible ecotourism in the Gran Caldera Scientific Reserve, Equatorial Guinea. (Contributed paper). 15th Congo Basin Forest Partnership Meeting of Partners, Yaoundé, Cameroon. June 18, 2015.
- Cronin, D.T., P. Sesink Clee, D. Bocuma Meñe, G.W. Hearn, and M.K. Gonder. Conservation strategies for understanding and combating the primate bushmeat trade on Bioko Island, Equatorial Guinea. (Poster). 17th Annual Research Day, Drexel University, Philadelphia, PA. May 1, 2015

- Mitchell, M.W., S. Locatelli, A.A. Pokempner, L. Ghobrial, P.R. Sesink Clee, B.J. Morgan, E. Abwe, R. Fotso, M.K. Gonder. (Contributed paper). Contrasting patterns of male and female migration across an active chimpanzee speciation zone. XXIV Congress of the International Society of Primatologists, August 12-17, 2012, Cancun, Mexico.
- Sesink Clee, P.R., E. Abwe, R. D. Ambahe, S. Locatelli, F. Maisels, M.W. Mitchell, B. J. Morgan, A. A. Pokempner, and M.K. Gonder. Does habitat variation across Cameroon and Nigeria drive genetic differentiation among chimpanzees? XXIV Congress of the International Society of Primatologists, August 12-17, 2012, Cancun, Mexico.
- Sesink-Clee, P.R., M.W. Mitchell, and M.K. Gonder. Ecological Niche Modeling of the Nigeria-Cameroon chimpanzee. (Poster). Life Sciences Research Symposium III. University at Albany, October 28 17, 2011, Albany, NY. *Received Best Poster Award.
- Mitchell, M. W., S. Locatelli, and M.K. Gonder. The population genetics of chimpanzees at the SIVcpz+/- boundary. (Contributed paper). Life Sciences Research Symposium III. University at Albany, October 28 17, 2011, Albany, NY. *Received Best Presentation Award.
- Mitchell, M.W., S. Locatelli, L. Ghobrial and M.K. Gonder. The genetic structure of chimpanzee populations: New evidence from Cameroon. (Poster) Life Sciences Research Symposium II. University at Albany, September 17, 2010, Albany, NY. *Received Best Poster Award.
- Liu, W., Y. Li, J. Learn, J-B. Ndjango, P.Goepfert, F. Leendertz, **K. Gonder**, M. Peeters, B. Hahn and P. Sharp. Hepatitis B Viruses Infecting Wild African Great Apes. (Contributed paper). 17th Conference on Retroviruses and opportunistic infections, February 16-19, 2010 San Francisco, CA.
- Tishkoff, S.A., **M.K. Gonder**, B.M. Henn, H. Mortensen, N. Fernandopulle, C. Gignoux, A. Knight, P. A. Underhill, U. Ramakrishnan, F. A. Reed, and J. L. Mountain. Origins of click-speaking populations in Africa inferred from mtDNA and Y chromosome data. (Contributed paper). Society for Molecular Biology and Evolution, Auckland, New Zealand, June 2005.
- Liang, P., J. Wang, L. Song, **M.K. Gonder**, S.A. Tishkoff and S. Azrak, Intra-species genome comparison reveals 802 polymorphic *Alus* and dynamic *Alu* distributions in the human genome. (Contributed paper). American Society of Human Genetics meeting, Toronto, Canada, October 2004.
- Gonder, M.K.**, H. Mortensen, J. B. Hirbo, J. Mountain and S. A. Tishkoff. Demographic history of Khoisan speakers of Tanzania inferred from mtDNA control region sequences and complete mtDNA genomes. (Contributed paper). Genomes and Evolution, Society for Molecular Biology and Evolution, Penn State University, June 17-20, 2004.
- Mortensen, H. M., **K. Gonder**, E. Tarazona-Santos, J. Hirbo and S.A. Tishkoff. Ancient migrations and population expansions in East Africa: Genetic evidence for Tanzanian prehistory. (Contributed paper). *American Journal of Physical Anthropology*, Supplement 38, p. 149, 2004.
- Mortensen, H.M., **M.K. Gonder**, J. Hirbo, S. A. Tishkoff. Genetic history of linguistically diverse Tanzanian populations inferred from mtDNA. (Poster). Meeting on "Genomics and Society: Implications for the future health of Africa" sponsored by the African Genomics Initiative, Cairo, Egypt, March 2004.
- Gonder, M.K.**, J.E. Norman and A.V. Furano. *LINE-1* evolutionary dynamics among apes. (Contributed paper). *American Journal of Physical Anthropology*, Supplement 36, p. 102, 2003.
- De Sousa, A. **M.K. Gonder**, K. Sylvester, C. Obele and S. A. Tishkoff. Complete mitochondrial genome sequencing of Tanzanians: Implications for the origin of modern humans. (Poster). *American Journal of Physical Anthropology*, Supplement 36, p. 84, 2003.
- Mortensen, H.M., **K. Gonder**, J. Hirbo, K. Powell, A. Knight, J. Mountain and S.A. Tishkoff. Genetic history of hunting and gathering populations of Tanzania. (Contributed paper). *American Journal of Physical Anthropology*, Supplement 36, p. 155, 2003.

- Gonder, M.K.**, H. Mortensen, J.B. Hirbo, J. Mountain and S.A. Tishkoff. Demographic history of Khoisan speakers of Tanzania inferred from mtDNA control region sequences. *American Journal of Human Genetics*, 71 (4): 372 Supplement, 2002.
- Mortensen, H.M., **M.K. Gonder**, J.B. Hirbo, B.C. Verrelli, J. L. Mountain and S.A. Tishkoff. Genetic history of linguistically diverse Tanzanian populations inferred from mtDNA. (Poster). *American Journal of Human Genetics*, 71 (4): 402, Supplement, 2002.
- M.K. Gonder**, J.F. Oates and T.R. Disotell. Chimpanzee phylogeography in Nigeria and Cameroon. (Contributed paper). *The Apes: Challenges for the 21st Century*, Brookfield Zoo, Chicago, IL, May 10-13, 2000.
- Gonder, K.**, T.R. Disotell and J.F. Oates. Hypervariable region-I mtDNA sequence variation of chimpanzees. (Poster). New England Molecular and Evolutionary Biology Association: New York University, October 31, 1998.
- Newman. T. and **K. Gonder**. Mitochondrial DNA variation and population subdivision among anubis and hamadryas baboons in the Awash, Ethiopia. (Poster). L.S.B. Leakey Foundation Annual Symposium: American Museum of Natural History, October 21, 1994.
- Wheatley, B., **K. Gonder**, T. Holman and H. Putra. The reinforcement of monkey aggression by tourists in Balinese monkey forests. *American Society of Primatologists*: Strubridge, MA, August 19, 1993.

Keynote / Invited Seminars 2007 – 2023 (Selected)

- Biology Senior Seminar, Drexel University October 13, 2022
- Biology Senior Seminar, Drexel University November 11, 2021
- Departmental Seminar, Department of Biology, Drexel University, September 2021
- Departmental Seminar, Department of Ecology and Evolutionary Biology, Rutgers University, April 2018
- Keynote Speaker for Sigma Xi Saint Joseph's University, March 2018
- Taste of Science Philadelphia, April 2017
- Silverman Lecture Academy of Natural Sciences of Drexel University, April 2016
- DACOR: An Organization of Foreign Affairs Professionals, March 2016
- Keynote Speaker, Science & Policy Summit, United Nations Development Program, June 12, 2015.
- Eastern University Research Seminar, November 21, 2014
- Drexel COAS Dean's Seminar, April 23, 2014
- Biology Department Seminar, Drexel University, April 8, 2014
- Biology Senior Seminar, Drexel University April 10, 2014.
- Science Workshop, Bennington College, September 27, 2013
- Genome Sciences Symposium, University of Washington, February 20, 2013
- New York State Museum, September 20, 2012
- Explore UAlbany Day, August 26, 2011
- Albany High School, April 7, 2011
- Sub-Regional Junior Science and Humanities Symposium, March 22, 2011
- Ecology, Evolution and Behavior Seminar, University at Albany, January 2011
- Biology Department Seminar, Siena College, December 10, 2010
- Phase I: Nigeria-Cameroon Chimpanzee (*Pan troglodytes ellioti*) Action Plan Workshop (October 1-2, 2010, Limbe, Cameroon)
- Phase I: Nigeria-Cameroon Chimpanzee (*Pan troglodytes ellioti*) Action Plan Workshop (October 5-6, 2010, Calabar, Nigeria)
- Biology Department Seminar, Drexel University, April 8, 2009

- Ecology, Evolution and Behavior Seminar, University at Albany, September 12, 2008
- Brown Bag Luncheon Seminar, Office of Graduate Student Diversity, University at Albany, April 9, 2008
- Departments of Psychology and Biology Darwin Day Celebration, University at Albany, February 8, 2008
- Bard College, February 7, 2008
- New York State Museum Teachers' Evolution Workshop, February 1, 2008
- Department of Anthropology, University at Albany, November 16, 2008
- General Electric Global Research, September 26, 2007

TEACHING

Teaching 2014 – present, Drexel University

- *UNIV 101, The Drexel Experience*
UNIV 101 is an introduction to Drexel, the biology major, and college careers for entering Freshman. This course aims to help entering Freshmen build community with peers, faculty and staff. This course focuses on topics relating to adjusting to college life, and on topics relating to the biology major. Course taught on alternating years beginning in Fall 2015.
- *BIO 126H, Physiology and Ecology*
This is the third course in the Freshman Biology series designed for biology majors in the honors program. The first half of the course surveys physiological systems, including the respiratory, circulatory, homeostatic, excretory, and digestive systems in animals. The second half of the course emphasizes the relationships between organisms and the environment, including how humans impact ecosystems and the biosphere. Course taught annually since Spring 2017.
- *BIO 228, Evolutionary biology and human health*
I developed this elective course as part of the evolution, ecology and genomes concentrations for the biology department. The course illustrates the importance and utility of evolutionary perspectives on various topics related to human health. In addition to the "how" questions, this course also introduces the "why" questions. Various evolutionary hypotheses are examined. Arguments for and counter-arguments against each hypothesis are presented to foster understanding of each topic. Selected topics include infectious diseases, pathogen virulence, allergies/asthma, mental health/addiction, genetic disorders, diseases of civilization, sex, pregnancy, aging, and public health concerns. This course is taught annually during Spring term since 2014.
- *BIO 332/T580, Bioinformatics II*
I developed this course as part of the evolution, ecology and genomes concentrations for the biology department. It is a combined undergraduate and graduate course. It continues the application of computational algorithms for manipulation and analysis of biological information covered in BIO 331 (Bioinformatics I). It covers genomic and proteome informatic approaches and applications for determining evolutionary relationships, discovery of protein structure/function relationships and bioengineering of proteins by molecular modeling by homology. This course was first taught in Spring 2016 and alternates with BIO 480/680.
- *BIO 436/636 Population Genetics*
I developed this course as part of the evolution, ecology and genomes concentrations for the biology department. The course surveys population genetics theory as applied to studies of micro-evolutionary changes, including mutation, selection, inbreeding, gene flow, genetic drift—and how

they can (and cannot) change allele frequencies in populations over time. The course examines current primary literature on human evolutionary history, population genetics and patterns of adaptation. Course taught on alternating years beginning in 2016.

- *Drexel Study Abroad, Bioko Island, Equatorial Guinea*
I oversee the implementation of Drexel's Study Abroad Program on Bioko Island, Equatorial Guinea. This program is now entering its 11th year at Drexel. Students receive a full term of credit for the following courses: Field Methods (ENVS 343, 3 credits), Field Research (ENVS 344, 6 credits), Natural Resource Economics (ENVS 342, 4.5 credits), Society & Environment (ENVS 343, 4.5 credits) and Spanish Language & Equatoguinean Culture (LAN 180, 2 credits). The Field Methods and Research courses are taught at BBPP's Moka Wildlife Center (Equatorial Guinea's first and only continuously operating field research station) with additional field exercises at two dry-season research camps in the Gran Caldera Scientific Reserve along Bioko's southern beaches.
- *Drexel Study Abroad, Drexel Summer Break in Cameroon*
This is an intensive 3-week field course with a strong focus on hands-on experiential learning and training in biodiversity research. The overall aim provides training in the fundamentals of tropical field research. The course has been taught twice since I arrived at Drexel and was supported by an NSF-PIRE project. A total of 56 undergraduate students participated in these courses in 2015 and 2017, half of which were from U.S. institutions and the other half from Cameroonian and Equatoguinean universities. Students worked collaboratively in teams to: design an independent research project in tropical ecology; collect data and analyze results; write a report in the format of a scientific publication summarizing the aims, methods, results and conclusions of the research project; and present project findings to participants and instructors at the end of the course. Field exercises took place at the (proposed) Ebo National Park and Mbam & Djerem National Park. Students registered for two credits of BIO 499.

Teaching 1996 – 2013

University at Albany – State University of New York

- ABIO 519: Human Population Genetics. Taught seven semesters to 101 students
- ABIO 563: Evolution. Taught three semesters to 35 students
- ABIO 402: Evolution. Taught three semesters to 442 students
- ABIO 898, ABIO 899, ABIO 499, ABIO 499z, ABIO 398, ABIO 399: Research supervision/

Teaching 2006 and earlier

- Lecturer, Department of Biology, University of Maryland, 2006
Course: Principles of Biology II, Ecology and Evolution
- Lecturer, Department of Anthropology, University of Maryland. 2005-2006
Course: Primate Evolutionary Genetics and Conservation.
- Faculty, FAES, Biological Sciences, National Institutes of Health. 2001-2002
Course: Molecular Evolution and Evolutionary Genetics.
- Lecturer, Hunter College, City University New York, Department of Anthropology. 1996
Course: Primate Evolutionary Genetics and Conservation

TRAINEES

Undergraduate (research program participants, STAR students, co-op advisees and volunteers)

- Emmanuel Adomfeh, Department of Biological Sciences, University at Albany, 2009-2010. Do chimpanzee priority conservation areas correspond to reservoirs of chimpanzee genetic diversity in Cameroon and Nigeria? (Best Poster Award Undergraduate Research Symposium 2010)
- Gabriel Adomfeh, Department of Biological Sciences, University at Albany, 2009. Chimpanzee Population Genetics Study: A comparison of versus blood samples.
- Walker Alexander, Drexel STAR and Supenova Programs Student, Department of Biomedical Engineering, Drexel University. 2015 – 2019
- Chelsea Bann, BBPP Alternative Livelihood Coop, Westphal College of Media Arts and Design & Department of Biology, Drexel University. 2016 – 2017
- Briana DiMarco, Volunteer Research Assistant, Department of Biology, Drexel University. 2016 – 2018
- Courtney Boyd, BBPP Research Coop, Department of Biology, Drexel University. 2017-2018
- Amanda Faris, Undergraduate Honors program and Department of Biology Honors Program, 2010-2012. Single Nucleotide Polymorphism Identification and Phylogenetic Analysis of *Pan troglodytes* using Mitochondrial Deoxyribonucleic Acid Coding Region Sequences. Degree awarded 2012. (Best Poster Award Undergraduate Research Symposium 2011, podium presentation Undergraduate Research Symposium 2012)
- Elaine Ficarra, Drexel STAR Program, Department of Biology, Drexel University. 2020
- Naomi Friedman, Drexel STAR Program, Department of Biology, Drexel University. 2020
- Sally Ehlers, Drexel STAR Program, Department of Biology, Drexel University. 2021
- Hayden Frechette, Department of Biological Sciences, University at Albany, 2012-2013. *The paleodemographic history of chimpanzees inferred using autosomal pseudogene sequence data.*
- Diane Greg, Department of Biological Sciences, University at Albany, 2009. Preservation Methods and Success Rates of Collected Samples of Chimpanzee Fecal Matter.
- Adam Hornbaker, Drexel STAR Programs, Department of Biology, Drexel University. 2020
- Georgi Karokaylev, Department of Biological Sciences, University at Albany, 2011-2012. Comparative analysis of human, chimpanzee and bonobo mitochondrial DNA genome diversity, with implications for understanding differences in the evolutionary history of each species. (Poster presentation Undergraduate Research Symposium 2012).
- Nikkita Levine, Department of Biological Sciences, University at Albany, 2012-2013. *The paleodemographic history of chimpanzees inferred using autosomal pseudogene sequence data.*
- Martin Mensah, Department of Biological Sciences, University at Albany, 2012. *Integrating niche dimensions of Chimpanzees and Elephants in Cameroon with socioeconomic data to inform conservation practices (Spring 2012). The paleodemographic history of chimpanzees inferred using autosomal pseudogene sequence data (Fall 2012).*
- Doua Njie, Drexel STAR Programs, Department of Biology, Drexel University. 2018
- Julia Neulight, Camera trap surveys of large mammals at protected areas in Cameroon and Equatorial Guinea, Department of Biology, Drexel University. 2020 – 2021
- Christina Perella, Volunteer Research Assistant, Department of Biology, Drexel University. 2015 – 2018
- Anna Sajeski, BBPP Alternative Livelihood Coop, Westphal College of Media Arts and Design & Department of Biology, Drexel University. 2016 – 2017
- Elizabeth Sinclair, Volunteer Research Assistant, Department of Biology, Drexel University. 2016 – present
- Taylor Szczepankiewicz, Volunteer Research Assistant, Department of Biology, Drexel University. 2016 – present
- Jeffery Smith, Camera trap survey of chimpanzee termite fishing behaviors at Mbam & Djerem National Park, Cameroon, Department of Biology, Drexel University. 2020 – 2021

- Rebecca Springle, BBPP Alternative Livelihood Coop, Westphal College of Media Arts and Design & Department of Biology, Drexel University. 2018 – present
- Peter Uusitalo, Department of Biological Sciences, University at Albany, 2009. Y-chromosome variation in chimpanzees.

Graduate Students

Masters Advisees

- Elise Caron, Department of Biological Sciences, University at Albany. Isolation of DNA from wild chimpanzees for genome-wide SNP analysis. Degree awarded 2014.
- Lora Ghobrial, Department of Biological Sciences, University at Albany. Determining Geographic Origin of Captive Chimpanzees in Cameroon Using STR DNA Analysis. Degree awarded 2008.
- Joseph Kinney, Department of Biological Sciences, University at Albany. Comparison of Whole Genome Amplification Methods and Assessment of Diet Using Chimpanzee Fecal DNA. Degree awarded 2009.
- Sara Schmedes, Department of Biological Sciences, University at Albany. Extraction and Analysis of Ancient DNA from 14th Century Black Death Victims: A Pilot Study. Degree awarded May 2009. *Note: Sarah's thesis work was published in: (1) A draft genome of Yersinia pestis from victims of the Black Death. Bos KI, V.J. Schuenemann, G.B. Golding, H.A. Burbano, N. Waglechner, B.K. Coombes, J.B. McPhee, S.N. Dewitte SN, M. Meyer, S. Schmedes, et al. 2011. Nature 478(7370): 506-510 (Featured cover article), and (2) Targeted enrichment of ancient pathogens yielding the pPCP1 plasmid of Yersinia pestis from victims of the Black Death. V.J. Schuenemann, K. Bos, S. DeWitte, S. Schmedes, J. Jamieson, A. Mitnik, S. Forrest, B.K. Coombes, J.W. Wood, D.J.D. Earn et al. 2011. Proceedings of the National Academy of Sciences of the United States of America 108(38):E746-E752.*
- Yasmin Serjafar, Biodiversity, Earth and Environmental Sciences, Drexel University, Masters Degree awarded May 2016
- Paul Sesink Clee, Department of Biological Sciences, University at Albany. Modeling the ecological niche of the Nigeria-Cameroon chimpanzee under climate change. Degree awarded 2013.
- Jesse Weiland, Biodiversity, Earth and Environmental Sciences, Drexel University, Masters Degree awarded May 2017

Doctoral Advisees

- Tyler Andres-Brayes, Department of Biology, Drexel University. 2019 – present
 - Dissertation: The Role of Landscape Variation in Driving the Evolutionary Diversification of Chimpanzees (*Pan troglodytes*) in a Biodiversity Hotspot.
- Ekwoje Abwe, Department of Biology, Drexel University. Degree awarded 2018.
 - Dissertation: Linking behavioral diversity with genetic and ecological variation in the Nigeria-Cameroon chimpanzee (*Pan troglodytes ellioti*).
 - Ekwoje was awarded grants from The LSB Leakey Foundation and Primate Conservation, Inc in support of his doctoral dissertation research.
 - Current position – Postdoctoral research associate, San Diego Zoo Wildlife Alliance
- Alvine Dajjo, Department of Biology, Drexel University. 2022 - present
- Fabrice Kentachime, Department of Biology, Drexel University. 2019 - present
- Demetrio Bocuma Meñe, Department of Biology, Drexel University. Degree awarded 2016.
 - Dissertation: Assessing Attitudes Towards Biodiversity Conservation Among Citizens on Bioko Island, Equatorial Guinea and Cameroon.

- Current position - National Expert on Socioeconomics, Environmental Legislation, United Nations Development Program – Equatorial Guinea.
- Bryan Featherstone, Department of Biology, Drexel University, Degree awarded 2023.
 - Factors influencing the gut microbiome diversity of non-human primates and bovids on Bioko Island, Equatorial Guinea.
- Stephen Miller, Department of Biology, Drexel University. Degree awarded 2021.
 - Dissertation: Examining the Evolution of the Immune Response among Insular Avian Species in the Gulf of Guinea, Central Africa.
 - Current position – Postdoctoral research associate, University of Pennsylvania
- Matthew Mitchell, Department of Biological Sciences, University at Albany. Degree awarded 2014.
 - Dissertation: The Role of Landscape Variation in Driving the Evolutionary Diversification of Chimpanzees (*Pan troglodytes*) in a Biodiversity Hotspot.
 - Current position – Program manager, Corriell Institute
- Ian Nichols, Department of Biology, Drexel University. Degree expected Fall 2022.
 - Mammalian species inhabiting an Agroforestry landscape; understanding species assemblages and behaviors to inform Conservation management.
 - Ian was awarded a *Fulbright Fellowship in Cameroon 2018 – 2019*.
 - Current position – Postdoctoral research associate, Virginia Tech
- Paul Sesink Cleo, Department of Biology, Drexel University. Degree awarded 2017.
 - Dissertation: Geospatial modeling of diseases with zoonotic potential in central Africa.
 - Deputy Geographic Information Officer, City of Philadelphia
- Dana Venditti-Mitchell, Department of Biology, Drexel University. Degree awarded 2021.
 - Dissertation: Using science to inform conservation strategies for a diverse group of mammals in Central
 - Current position – Postdoctoral research associate, University of Pennsylvania

Postdoctoral Trainees

- Demetrio Bocuma Meñe, Bioko Biodiversity Protection Program. *Advancing biodiversity conservation on Bioko Island, Equatorial Guinea*. 2016 – 2018.
 - Current position - National Expert on Socioeconomics, Environmental Legislation, United Nations Development Program – Equatorial Guinea.
- Drew Cronin, Department of Biology, Drexel University. *Advancing biodiversity conservation on Bioko Island, Equatorial Guinea*. 2014 – 2016.
 - Current position - Associate Curator of International Conservation at North Carolina Zoo
- Janina Dordel, Department of Biology, Drexel University. *Great Ape Bioinformatics*. 2015 – 2017.
 - Current position - Bioinformatician, KWS Saat SE, Germany
- Bryan Featherstone, Department of Biology, Drexel University. 2023
- Matthew Mitchell, Department of Biology, Drexel University. *Chimpanzee population genomics*. 2014 – 2017.
 - Current position – Program manager, Corriell Institute
- David Fernandez, Bioko Biodiversity Protection Program. *Advancing biodiversity conservation on Bioko Island, Equatorial Guinea*. 2014
 - Current position - Lecturer University of West England
- Grainné McCabe, Bioko Biodiversity Protection Program. *Advancing biodiversity conservation on Bioko Island, Equatorial Guinea*. 2014
 - Current position - Head of Conservation Science Bristol Zoo, U.K.

- Sabrina Locatelli, Department of Biological Sciences, University at Albany. *Genetic history of chimpanzees*. 2008 – 2011
 - Current position - Staff Scientist at Institut pour Recherche et Développement [IRD] in Montpellier, France
- Hilton Oyamaguchi, Department of Biology, Drexel University. *Adaptation across elevational gradients on Bioko Island, Equatorial Guinea*. 2015 – 2019
 - Current position – Assistant Professor, Chestnut Hill College
- Amy Pokempner, Department of Biological Sciences, University at Albany. *Genetic history of chimpanzees*. 2008 – 2011.
 - Current position - Africa Branch Chief, U.S. Fish and Wildlife Service

Other Trainees

Doctoral and Master's thesis committees

- Spencer Bruce, Department of Biological Sciences, University at Albany. Genetic diversity and population structure of brook trout (*Salvelinus fontinalis*) in a remote Adirondack watershed.
- Katherine Fiocca, Department of Biology, Drexel University. Testing alternative hypotheses for the developmental timing of caste determination in a tropical eusocial wasp: implications for reproductive plasticity. Degree awarded 2021.
- Caroline Girard, Department of Biological Sciences, University at Albany. Impacts of livestock grazing on soil microbial communities. Degree awarded 2016.
- Gillian Kays, Department of Biological Sciences, University at Albany. Validation of a Procedure for Using an iPrep™ Purification Instrument to Process Differentially Lysed Sperm-Containing Samples. Degree awarded December 2012.
- Heather Kostick, Department of Biodiversity, Earth and Environmental Sciences (BEES), Drexel University. Snails in agroforestry landscapes of Jamaica. Degree expected 2022.
- Jana Makedonska, Department of Anthropology, University at Albany. Ecological Determinants of Morphological Integration in the Primate Face. Degree awarded 2014.
- Shannon Morgan, Department of Biological Sciences, University at Albany. Impacts of Climate, Geography and White-Nose Syndrome Mortality on the Population Genetic Structure and Variation of *Myotis lucifugus* in the Eastern United States. Degree awarded September 2015.
- Jake Owens, Department of Biology, Drexel University. Competition and insular effects on the ecology and behavior of the Bioko Island drill (*Mandrillus leucophaeus poensis*). Degree awarded January 2014.
- Rebecca Raso, Department of Biology, Drexel University. Population genomics of amphibians on Bioko Island. Degree expected 2020.
- Joel Ralston, Department of Biological Sciences, University at Albany. Phylogeography of a Neotropical-boreal migrant isolated on mountain "islands." Degree awarded May 2011.
- Sean Robinson, Department of Biological Sciences, University at Albany. The Influence of Sexual Condition on the Population Genetic Structure of Bryophytes. Degree awarded December 2012.
- Emily Starr, Department of Biological Sciences, University at Albany. Secondary succession in a mosaic of unmanaged conifer plantations and former old fields. Degree awarded December 2010.
- Jamie Zaccaria, Department of Biological Sciences, University at Albany. Conservation Solutions to Shark Finning: Insights from Past Efforts. Degree awarded 2013.

High school student research advisees

- Teddy Rosenbluth, Strathaven High School, 2015. Medicine from an evolutionary perspective. Now a junior at UCLA majoring in Neuroscience
- Mark Im, Albany Academy, 2010. Basics of DNA sequence alignment and annotation.
- Maya Schank, Burnt Hills High School Junior Science and Humanities Symposia (JSHS) Program, 2011 – present. Comparative analysis of georeferenced datasets for ascertaining the confidence for origin estimates of chimpanzee populations in Nigeria and Cameroon. *Semi-Finalist, American Museum of Natural History Young Naturalist Essay Contest, June 2012.*

SERVICE

Professional Service

Commissions and Boards

- IUCN/SSC Marine Turtle Specialist Group. 2017 – present.
- Science Officer, Congo Basin Institute—Cameroon. 2013 – present.
- Scientific Commission, Great Ape Survival Partnership. UNESCO. 2013 – present.
- Science Officer, Center for Tropical Research—Cameroon. 2013 – present.
- Technical Advisor, Executive Committee, Ebo Forest Research Project. 2013 – present.
- Senior Research Fellow, Center for Tropical Research, University of California Los Angeles, 2011 – present
- Conservation Committee, International Primatological Society. 2010 – 2013.
- IUCN/SSC Primate Specialist Group. 2009 – present.
- Section on Great Apes of the IUCN/SSC Primate Specialist Group. 2009 – present.

Professional Society (previous membership)

- American Association of Physical Anthropologists, American Association for the Advancement of Science, American Society of Human Genetics, American Society of Primatologists, International Primatological Society, Society for Molecular Biology and Evolution

Review Activities

Editorial Boards

- Series Editor, Scientific underpinnings of biological anthropology, *Scitable* by Nature Education, an online learning resource, Nature Publishing Group (<http://www.nature.com/scitable/knowledge/scientific-underpinnings-98010478>). 2010 – 2014
- Editorial Board, *Open Zoology*. 2008 – 2014

Ad Hoc Journal Referee

- *Acta Zoologica Sinica, American Journal of Physical Anthropology, Annals of Human Genetics, American Journal of Primatology, BMC Biology, Ecology and Evolution, Ecohealth, Evolution, Heredity, Human Genetics, Journal of Human Evolution, Journal of Molecular Evolution, Molecular Biology and Evolution, Nature, Nature Communication, Primates, PLoS Genetics, Proceeding of the National Academy of Sciences, Science, Science Advances, Scientific Reports,*

Grant Panels and *Ad Hoc* Reviews

- Grants Panelist, National Science Foundation, National Academy of Sciences, National Geographic, Primate Conservation Inc.
- *Ad Hoc* Referee, AZA Conservation Endowment Fund, Conservation Leadership Program, Graduate Women in Science, JRS Biodiversity, National Geographic, National Science Foundation, The Leakey Foundation, Primate Conservation, Inc.

Symposia and workshop hosting

Symposia (Selected)

| Workshop/Symposium Title | Participants | Location, Dates | Funding |
|--|--|--|--------------------|
| Biology and conservation of the most endangered apes in Africa | 10 speakers; 150 audience | 22 nd Congress of the International Society of Primatologists, Edinburgh, Scotland, 08/08 | NSF |
| Congo Basin Forest Partnership Ecosystem Services Stream | 50 African, American, European | Congo Basin Forest Partnership Meeting of Partners, Yaoundé, Cameroon, 06/15 | US FWS, ExxonMobil |
| Empowering Environmental Research, Education and Outreach in Congo Basin Forests | 4 speakers from Cameroon, Gabon Equatorial Guinea, US; 50 audience | Drexel University, 02/16 | NSF, ExxonMobil |
| Empowering Environmental Research, Education and Outreach in Congo Basin Forests | 4 speakers from Cameroon, Gabon Equatorial Guinea, US; 50 audience | AAAS Meetings, Washington, D.C., 02/16 | NSF, ExxonMobil |
| Gulf of Guinea Primates: Research, education & outreach for the next generation | 12 speakers; 100 audience | 27 th Congress of International Primatological Society, Nairobi, 08/18 | US FWS, ExxonMobil |

Science & policy workshops (Selected)

| Workshop/Symposium Title | Participants | Location, Dates | Funding |
|--|--|--|---------------------------------------|
| Nigeria-Cameroon Chimpanzee (<i>Pan troglodytes ellioti</i>) Action Plan Planning Workshop | 25, mostly scientists | 22 nd Congress of the International Society of Primatologists, Edinburgh, Scotland, 08/08 | NSF |
| Phase I: Nigeria-Cameroon Chimpanzee (<i>Pan troglodytes ellioti</i>) Action Plan Workshop - Cameroon | 60 including scientists, policy makers, civil society, local stake holders | Limbe, Cameroon, 10/10 | NSF, US FWS, Arcus |
| Phase I: Nigeria-Cameroon Chimpanzee (<i>Pan troglodytes ellioti</i>) Action Plan Workshop - Nigeria | 50 including scientists, policy makers, civil society, local stake holders | Calabar, Nigeria, 10/10 | NSF, US FWS, Arcus |
| Phase II: Nigeria-Cameroon Chimpanzee (<i>Pan troglodytes ellioti</i>) Action Plan Workshop | 25 including scientists, policy makers, civil society, local stake holders | Limbe, Cameroon, 02/11 | NSF, US FWS, Arcus |
| Evolution and conservation of central African biological diversity: New approaches and avenues for international collaboration | 85 participants - African, American, European | Libreville, Gabon, 07/11 | NSF |
| Translating science into policy to develop an effective management plan for the Gran Caldera Scientific Reserve, Bioko Island, Equatorial Guinea | 75 including scientists, policy makers, civil society, local stake holders | United Nations, Malabo, Equatorial Guinea, 06/15 | US FWS, US Dept. of State, ExxonMobil |

Technical workshops (selected)

| Workshop Title | Participants | Location, Dates | Funding |
|--|---|---|---------------------------------------|
| Nigeria-Cameroon chimpanzee conservation IUCN conservation action plan workshop – Phase 1 | 50 participants - African, American, European | Limbe, Cameroon 10/09; Calabar, Nigeria, 10/09 | US FWS, Arcus Foundation |
| Nigeria-Cameroon chimpanzee conservation IUCN conservation action plan workshop – Phase 2 | 18 participants - African, American, European | Limbe, Cameroon, 02/10 | US FWS, Arcus Foundation |
| Evolution and conservation of central African biological diversity: New approaches and avenues for international collaboration | 85 participants - African, American, European | Libreville, Gabon, 07/11 | NSF |
| CABAlliance Professional Development Workshop | 35 African & US students per year | Yaoundé, Cameroon, 06/14, 07/16, 07/17 | NSF, ExxonMobil |
| COACH Cameroon workshop | 60 African students per year | Yaoundé, Cameroon, 07/14, 07/16 | NSF, ExxonMobil |
| BBPP Mammal biomonitoring Workshop | 15 Equatoguinean students & professionals | Moka, Equatorial Guinea, 10/15, 10/17 | US FWS, ExxonMobil |
| BBPP Marine Turtle Workshop | 20 Equatoguinean students & professionals | Moka, Equatorial Guinea, 03/16, 10/17 | US FWS, US Dept. of State, ExxonMobil |
| BBPP Technical Workshop: Spatial Monitoring and Reporting Tool (SMART) | 15 Equatoguinean students & professionals | Moka, Equatorial Guinea, 10/17 | US FWS, US Dept. of State, ExxonMobil |
| BBPP Technical Workshop: Passive Acoustic Monitoring | 15 Equatoguinean students & professionals | Moka, Equatorial Guinea, 01/18 | US FWS, ExxonMobil |
| Faculty grant proposal writing workshop - UNGE | 40 UNGE Professors, 01/18 | Malabo, Equatorial Guinea, 01/18 | US FWS |
| Student grant proposal writing workshop - UNGE | 65 Equatoguinean students, 01/18 | Malabo, Equatorial Guinea, 01/18 | US FWS |

Other Professional Service Activities

- Co-Chair, Program Committee, 27th Congress of International Primatological Society, Nairobi August 19-25, 2018
- Judge, SMBE 2009, Student poster competition. Society for Molecular biology and Evolution, June 3-7, 2009 Iowa City, IA.
- Session chair, AAPA 2009, Anthropological genetics: Genetic variation, population and phylogenetic studies in non-human primates. American Association Physical Anthropology Meeting, April 1-4, 2009 Chicago, IL.
- Session chair, IPS 2008, “Genetics.” XXII Congress of the International Society of Primatologists, August 3-8, 2008, Edinburgh, Scotland.

Departmental Service – Drexel University

Standing Committees

- Biology Infrastructure Committee (Chair), 2018 – 2020
- Biology Graduate Curriculum Committee, 2016 – 2018, 2019 - 2020
- Biology Undergraduate Curriculum Committee, 2018 - 2020

- Biology Senior Advisory Committee, 2017 – 2019
- Biology Tenure & Promotions Committee 2013 – present
- Biology Space and Equipment Committee, January 2016 – 2018

Ad Hoc Committees

- College of Arts and Sciences Tenure and Promotion Committee, 2022
- College of Arts and Sciences Tenure and Promotion Committee, 2020
- Global Engagement Council, 2021 – present
- Chemistry Department Head Search, 2020
- Biology Committee on Committees, 2017 – 2018
- Biology Faculty Search Committee, Chair 2016 – 2017
- Biology Strategic Planning Committee, 2016 – 2017
- Biology Faculty Search Committee, 2015-2016
- Biology Graduate Research Committee. 2013 – 2016

Other

- Department of Biology weekly seminar series, speakers invited and hosted:
 - Dr. Michael Angilletta, Arizona State University
 - Dr. Ana Carnaval, City University of New York
 - Dr. Adam Freedman, Harvard University

Department and University Service – University at Albany

- Strategic Planning Committee. January – February 2012
- Personnel and Appointments Committee. 2010-2012
- Graduate Exams Committee. 2009 – 2012
- Curriculum Development ABIO563 and ABIO564
I coordinated the development of a sequence of two courses intended for incoming PhD students in the Ecology, Evolution and Behavior (EEB) Graduate Program. The first course (ABIO 563) is entitled, “Integrative Principles of Evolution” which I co-teach with Dr. Caro-Beth Stewart. The second course (ABIO564) is entitled, “Integrative Principles of Ecology and Behavior taught by Drs. Kurt McKean and Helmut Hirsch. These two courses are now part of the required curricula required of all new EEB PhD students. These activities were carried out in collaboration with the EEB Faculty (particularly Dr. Kurt McKean) and New York State Museum Biologists.
- Department of Biological Sciences weekly seminar series, speakers invited and hosted:
 - Dr. Nicola Anthony, Associate Professor, University of New Orleans
 - Dr. Gail Hearn, Professor, Drexel University
 - Dr. Brandon Keele, Principal Scientist, National Institutes of Health
- Lead Professor, World of Biology Living-Learning Community. 2013
- Panelist, Fulbright Campus Committee. 2012, 2017
- Member, Faculty Working Group on Sustainability (*ad hoc*). 2012
- Co-Chair, Researcher’s Liaison Committee. 2010 - 2012
- Panelist, Lawrence and Marie Shore Fellowship. 2010

Community Service

- Educational outreach facilitation

- Mbakaou Wildlife Center management and operation (Mbam & Djerem National Park, Cameroon). 2019 - present
- Managed BBPP educational outreach program which reaches for 800+ school children on Bioko island, Equatorial Guinea. 2014 – 2021
- Moka Wildlife Center management and operation (Bioko Island, Equatorial Guinea) 2014 - 2021
- Sustainable livelihoods facilitation
 - Bioko Artisan Collective, Equatorial Guinea. 2014 - 2021
 - EG Expeditions, Equatorial Guinea. 2015 – 2021
 - Ganga Biomonitoring Station, Mbam & Djerem National Park, Cameroon. 2016 - present
- Rockefeller Science Saturday, May 2016, 2017, and 2018
- AAAS family Science Days, Feb. 2016

Public Outreach

- Research from my group has been the focus of articles appearing in *Scientific American*, *The New York Times*, *The Washington Post*, *CUNY Graduate Center News*, *Columbia University News*, *UAB Magazine*, *College of Arts and Sciences Today*, *Cameroon Radio Television*, *The Times Union*, *Drexel Now*, *Drexel's Ask*, *Mongabay*, *National Public Radio*, *The Atlantic*.
- I have done several interviews with the media including, Discovery Communication's Travel Channel, *The New Scientist*, the *BBC*, *The Times Union*, *National Geographic*, *Audobon Magazine* and *CNN Nightline*.