

**SIOBHÁN B. COOKE**  
**CURRICULUM VITAE**

Center for Functional Anatomy and Evolution  
Johns Hopkins University School of Medicine  
1830 E Monument Street, Room 305A  
Baltimore, MD 21205

410-502-5655  
siobhancooke@jhmi.edu

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**EDUCATION**

- 2011 Ph.D. Physical Anthropology, The Graduate Center of the City University of New York; Dissertation title: *The Greater Antillean Platyrrhines: Biogeography and Paleobiology*
- 2007 M.Phil. Physical Anthropology, The Graduate Center of the City University of New York
- 2002 B.A. (*Magna Cum Laude*, *Phi Beta Kappa*) Anthropology and Music, Barnard College, Columbia University

**ACADEMIC APPOINTMENTS**

- 2016 – present **Assistant Professor**, Center for Functional Anatomy and Evolution, Johns Hopkins University School of Medicine
- 2012 – 2016 **Assistant Professor**, Department of Anthropology, Northeastern Illinois University
- 2010 – 2012 **Research Associate**, Department of Evolutionary Anthropology, Duke University
- 2008-2010 **Writing Across the Curriculum Graduate Fellow**, Brooklyn College, CUNY
- 2006-2010 **Adjunct Laboratory Instructor**, Department of Natural Sciences, Baruch College, CUNY
- 2007-2008 **Adjunct Lecturer**, Department of Anthropology and Archaeology, Brooklyn College, CUNY
- 2003-2008 **Adjunct Lecturer**, Department of Anthropology, Hunter College, CUNY
- 2004-2007 **Adjunct Lecturer**, Department of Anthropology, Lehman College, CUNY
- 2005 **Adjunct Laboratory Instructor**, Department of Cell Biology and Anatomical Sciences, Sophie Davis School of Biomedical Education, City College, CUNY

**PEER-REVIEWED PUBLICATIONS**

(\*indicates student co-author)

*In press*

- Cooke, S.B.**, Klukkert, Z. Diet, dentition, and jaw shape in *Aotus*. In: Fernandez-Duque, E. (Ed.) Owl Monkeys: Evolution, Behavioral Ecology and Conservation. Springer, New York.
- Cooke, S.B.**, Iturralde-Vinent, M. Models for the origins of primates and other Caribbean mammals. In: Rosenberger, A.L., Tejedor, M. (Eds.) Origins and Evolution of Cenozoic South American Mammals. Springer, New York.
- 2022 **Cooke, S.B.**, Crowley, B.E. New radiocarbon dates reveal pan-Holocene deposition of rodents at Trouing Jérémie #5, a sinkhole in the western Tiburon Peninsula, Haiti. *The Holocene* 39(9): 991-997.
- Mohammad, R.S., Turner, G., Fowler, K., Petman, M., Nieves-Colón, M.A., Franovich, L., **Cooke, S.B.**, Dávalos, L.M., Fitzpatrick, S.M., Giovas, C., Stokowski, Wrean, A.A., Kemp, M., LeFebvre, Mychajliw, A.M. Colonial legacies influence biodiversity lessons: how past trade routes and power dynamics shape present day scientific research and professional opportunities for Caribbean scientists. *American Naturalist* 200(1): 140-155.
- Terhune, C.E., Mitchell, D.R., **Cooke, S.B.**, Kirchhoff, C.A., Massey, J.S. Temporomandibular joint shape in anthropoid primates varies widely and is patterned by size and phylogeny. *The Anatomical Record* 2002: <http://doi.org/10.1002/ar.24886>.
- Romero\*, A.N., Mitchell, D.R., **Cooke, S.B.**, Kirchhoff, C.A., Terhune, C.E. Craniofacial fluctuating asymmetry in gorillas, chimpanzees, and macaques. *American Journal of Biological Anthropology* 177:286-299.
- 2021 Cadena, E-A., Link, A., **Cooke, S.B.**, Stroik, L., Vanegas, A.F., Tallman, M. New Insights on the anatomy and ontogeny of the largest extinct freshwater turtles. *Heliyon* 7 (2021) e08591.
- McAfee, R.L., Beery\*, S.M., Rímoli, R., Almonte, J., Lehman, P., **Cooke, S.B.** New species of the ground sloth *Parocnus* from the late Pleistocene-early Holocene of Hispaniola. *Vertebrate Anatomy Morphology Palaeontology* 9(1): 52-82.
- Mitchell, D.R., Kirchhoff, C.E., **Cooke, S.B.**, Terhune, C. Bolstering geometric morphometrics sample sizes with suboptimal specimens: is near enough good enough? *Journal of Anatomy*. doi.org/10.1111/joa.13390
- Harper\*, C.M., Sylvester, A.D., McAfee, R.K., **Cooke, S.B.** A novel method for quantifying femoral neck torsion: a case study in extinct and extant sloths. *Anatomical Record* 304(2): 266-278.
- 2019 Kay, R.F., Gonzales, L.A., Salenbien, W., Martinez, J-N., **Cooke, S.B.**, Valdivia, L.A., Rigsby, C., Baker, P. The first primate from the Early Miocene of the Amazon Basin, Peru. *Journal of Human Evolution* 134 (2019): 102628.

- 2018 Perry, J.M, **Cooke, S.B.**, Runestad-Connour, J.A., Burgess\*, M.L., Ruff, C.B. Body mass estimation based on linear articular measurements in individual anthropoids: methodological considerations and fossil applications. *Journal of Human Evolution* 118(1): 20-35.
- Cooke, S.B.**, Crowley B.E. Deciphering the isotopic niches of now-extinct Hispaniolan rodents. *Journal of Vertebrate Paleontology*: e1510414.
- Morgan, G.S., Albury, N., Rímoli, R., Lehman, P., Rosenberger, A., **Cooke, S.B.** The Cuban Crocodile (*Crocodylus rhombifer*) from Late Quaternary underwater cave deposits in the Dominican Republic. *American Museum Novitates* 3916: 1-56.
- 2017 Shearer, B.M., Tallman, M., **Cooke, S.B.**, Halenar, L.B., Reber, S.L., Sires, J.P., Delson, E. Evaluating causes of error in landmark-based data collection using scanners. *PLOS ONE* PLoS ONE 12 (11): e0187452. doi:10.1371/journal.pone.0187452
- Cooke, S.B.**, Dávalos, L.M., Mychajliw, A.M., Turvey, S.T., Upham, N.S. Anthropogenic extinction dominates Holocene declines of West Indian Mammals. *Annual Review of Ecology, Evolution, and Systematics* 48: 301-327.
- Cooke, S.B.**, Mychajliw, A., Southon, J., MacPhee, R.D.E. Jamaica's Last Monkey: The Extinction of *Xenothrix mcgregori*. *Journal of Mammalogy* 98(4): 937-949.
- Halenar, L., **Cooke, S.B.**, Rosenberger, A.L., Rímoli, R. New cranium of the endemic Caribbean platyrrhine, *Antillothrix bernensis*, from La Altagracia Province, Dominican Republic. *Journal of Human Evolution* 106: 133-153.
- 2016 Tallman, M., **Cooke, S.B.** New endemic platyrrhine humerus from Haiti and the evolution of the platyrrhine distal humerus. *Journal of Human Evolution* 91: 144-166.
- 2015 Rosenberger, A.L., Pickering, R., Green, H., **Cooke, S.B.**, Tallman, M., Morrow, A., Rímoli, R.  $1.3 \pm 0.11$  Ma ages for underwater remains constrain antiquity and longevity of the Dominican primate *Antillothrix bernensis*. *Journal of Human Evolution* 88: 85-96.
- Allen, K.L., **Cooke, S.B.**, Gonzales, L.A., Kay, R.F. Dietary Inference from Upper and Lower Molar Morphology in Platyrrhine Primates. *PLoS ONE* 10 (3): e0118732. doi:10.1371/journal.pone.0118732
- Cooke, S.B.**, Terhune, C.E. Form, function, and geometric morphometrics. *The Anatomical Record* 298: 5-28.
- Terhune, C.E., **Cooke, S.B.**, Otárola-Castillo, E. Form and function in the platyrrhine skull: A three-dimensional analysis of dental and TMJ morphology. *The Anatomical Record* 298: 29-47.
- Rosenberger, A.L., **Cooke, S.B.**, Halenar, L., Tejedor, M.F., Hartwig, W.C., Novo, N.M., Munoz-Saba, Y. Fossil Alouattines and the origins of *Alouatta*: Craniodental diversity and interrelationships. In: Kowalewski, M., Garber, P.A., Cortes-Ortiz, L., Urbani, B., Youlatos, D., (Eds.) *Howler Monkeys: Examining the Evolution, Physiology, Behavior, Ecology and*

- Conservation of the Most Widely Distributed Neotropical Primate. Springer, New York, pp. 21-54.
- 2014 Winchester, J.M., Boyer, D.M., St. Clair, E.M., Gosselin-Ildari, A., **Cooke, S.B.**, Ledogar, J. Dental topography of platyrrhines and prosimians: convergences and contrasts. *American Journal of Physical Anthropology* 153: 29-44.
- 2013 Rosenberger A.L., Klukkert, Z. **Cooke, S.B.**, Rímoli, R. Rethinking *Antillothrix*: The mandible and its implications. *American Journal of Primatology* 75: 825-836.
- Velazco, P.M., O'Neill, H., Gunnell, G.F., **Cooke, S.B.**, Rosenberger, A.L., Rímoli, R., Simmons, N.B. Quaternary bat diversity in the Dominican Republic. *American Museum Novitates* 3779: 1-20.
- 2012 **Cooke, S.B.**, Tallman, M. New endemic platyrrhine femur from Haiti: description and locomotor analysis. *Journal of Human Evolution* 63(3): 560-567.
- 2011 **Cooke, S.B.** Paleodiet of extinct platyrrhines with emphasis on the Caribbean forms: three-dimensional geometric morphometrics of mandibular second molars. *The Anatomical Record* 294: 2073-2091.
- Rosenberger, A.L., Halenar, L.B., **Cooke, S.B.** The making of platyrrhine semi-folivores: models for the evolution of folivory in primates. *The Anatomical Record* 294: 2112-2130.
- Cooke, S.B.**, Rosenberger, A.L., Turvey, S. An extinct monkey from Haiti and the origins of the Greater Antillean primates. *Proceedings of the National Academy of Sciences* 108: 2699-2704.
- Rosenberger, A.L., **Cooke, S.B.**, Rímoli, R., Ni, X., Cardoso, L. First skull of *Antillothrix bernensis*, an extinct relict platyrrhine from the Dominican Republic. *Proceedings of the Royal Society, B* 278(1702): 67-74.
- 2009 Rosenberger, A.L., Tejedor, M., **Cooke, S.B.**, Pekar, S. Platyrrhine ecophylogenetics in space and time. In: Garber, P., Estrada, A., Bicca-Marques, J.C., Heymann, E.W., Strier, K.B., (Eds.) *South American primates: comparative perspectives in the study of behavior, ecology and conservation*. Springer, New York, pp. 85-122.
- 2008 Rosenberger, A.L., Halenar, L., **Cooke, S.B.**, Hartwig, W. Morphology and evolution of the Spider Monkey, Genus *Ateles*. In Campbell, C. (Ed.) *Spider Monkeys: The Biology, Behavior and Ecology of the Genus Ateles*. Cambridge University Press, Cambridge, pp. 19-49.
- INVITED CHAPTERS AND REVIEWS (NON-PEER REVIEWED)**
- 2016 **Cooke, S.B.**, Gladman, J., Halenar, L.B., Klukkert, Z.S., Rosenberger, A.L. The paleobiology of the recently extinct platyrrhines of Brazil and the Caribbean. In: Ruiz, M. (Ed.) *Molecular Population Genetics, Evolutionary Biology and Biological Conservation of Neotropical Primates*. Nova Publishers, New York, pp. 41-89.

**PUBLISHED ABSTRACTS AND CONFERENCE PRESENTATIONS**

(\*indicates student co-author at time of publication; †conference canceled due to COVID-19)

2022 Terhune, C.E., Mitchell, D.R., Kirchhoff, C.A., **Cooke S.B.**, O'Connor, S., Romero\*, A.N., Parker\*, P.M. *Papio* pathologies: linking craniofacial shape, pathologies and trauma, and behavior in *Papio anubis*. Presented at the 2022 International Congress of Primatologists, Quito, Ecuador, 14 January 2022 (postponed from 2020 due to COVID).

Cobb\*, S., Kirchhoff C.A., Terhune, C.E., Eller, A., **Cooke, S.B.** Morphology of the cercopithecoid mandibular p3 and its correlation with sex and diet. *American Journal of Biological Anthropology*.

Delson, E., Baab, K.L., Capellini, T.D., **Cooke, S.B.**, Freidline, S., Frost, S., Garrett, E.C., Harcourt-Smith, W., Hogg, R., McNulty, K., Peburn, T., Singleton, M., St. John, K., Steiper, M., Van Couvering, J.A. Dating and site formation of the Late Villafranchian mammals of Senèze, France. *American Journal of Biological Anthropology*.

Gomez\*, J.C., Kirchhoff C.A., **Cooke, S.B.**, Terhune, C.E. Severity measures of dental lesions. *American Journal of Biological Anthropology*.

Halenar-Price, L.B., Kirchhoff C.A., Terhune, C.E., **Cooke, S.B.** Potential association between pterion suture pattern and incidence of craniodental lesions in platyrrhines. *American Journal of Biological Anthropology*.

Palmer\*, S., Terhune, C.E., Kirchhoff, C.A., **Cooke, S.B.** Variation in the Platyrrhine Pterygoid Process using Linear and Angle Measurements. *American Journal of Biological Anthropology*.

Harper, C.M., McAfee, R.K., Sylvester, A.D., Goldstein\*, D.M., Almonte, J., **Cooke, S.B.** Femoral neck anteversion in *Xenarthra*. Annual Meetings of the American Association of Anatomists, Philadelphia, PA, 5-8 April, 2022.

2021 Canington\*, S.L., Sims\*, Z.R., **Cooke, S.B.** A pilot study investigating dental wear and mandibular bending rigidity ( $I_{\max} / I_{\min}$ ) in black-and-white ruffed lemurs (*Varecia variegata*). *Experimental Biology 2021 Annual Meeting*.

Stein\*, T., Kirchhoff, C.A., Mitchell, D.R., **Cooke, S.B.**, Terhune, C.E. Cranial suture fusion does not predict presence of craniodental lesions in cercopithecoids. *American Journal of Physical Anthropology* S71: 100.

Merwin\*, M. Kirchhoff, C.A., Mitchell, D.R., **Cooke, S.B.**, Terhune, C.E. Contrasting craniodental lesion rates in platyrrhines. *American Journal of Physical Anthropology* S71: 70.

Mitchell, D.R., Kirchhoff, C.A., **Cooke, S.B.**, Terhune, C.E. Where only the strong survive: Excluding damaged/pathologic specimens may result in sampling biases in shape analyses. *American Journal of Physical Anthropology* S71: 73.

- 2020 Crowley, B., **Cooke, S.B.** An initial investigation of niche partitioning among Hispaniola's recent rodent radiation using stable isotopes. 80<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Virtual Meeting. 11-17 October, 2020.
- McAfee, R.K., Beery, S.M., **Cooke, S.B.**, Rimoli, R., Almonte, J., Lehman, P., A new species of the ground sloth *Parocnus* (Mammalia, Pilosa, Megalonychoidea) from the late Pleistocene–early Holocene of the Dominican Republic. 80<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Virtual Meeting. 11-17 October, 2020.
- † Halenar-Price, L.B., **Cooke, S.B.**, Klukkert, Z.S., Sims\*, Z., Almonte, J., Lehman, P., Tallman, M. Quantifying intraspecific variation in a Caribbean fossil primate. *American Journal of Physical Anthropology*, S69: 111
- † Kirchhoff, C.A., **Cooke, S.B.**, Mitchell, D.R., Terhune, C.E. Variation in craniodental pathologies among cercopithecoid primates. *American Journal of Physical Anthropology*, S69: 143
- † Mitchell, D.R., Kirchhoff, C.A., **Cooke, S.B.**, Terhune, C.E. Chewing through trauma: Normal and pathologic shape variation in cercopithecoid skulls. *American Journal of Physical Anthropology*, S69: 189
- 2019 Harper\*, C., Sylvester, A.D., McAfee, R.K., **Cooke, S.B.** Quantifying Femoral Neck Torsion in Extinct and Extant Sloths. Annual Meetings of the American Association of Anatomists, Orlando, FL, 6-10 April 2019.
- Klukkert, Z., Halenar-Price, L.B., Almonte, J., Shevchuk, O., Lehman, P., **Cooke, S.B.** Newly-discovered craniomandibular remains preserve the first known incisors of the extinct Dominican monkey *Antillothrix bernensis*. Annual Meetings of the American Association of Anatomists, Orlando, FL, 6-10 April 2019
- Cooke, SB.**, Halenar-Price, L.B., Stroik, L., Link, A., Giraldo Correa, G.A., Shearer, B., Knigge, R.P., Tallman, M. First complete primate skull from La Venta, Colombia. *American Journal of Physical Anthropology*, S68: 48.
- Halenar-Price, L.B., Shearer, B., Terhune, C.E., Yoakum, C., **Cooke, S.B.** Get an eyeful of this: Gross anatomy and morphometrics of the squirrel monkey (*Saimiri*) interorbital region. *American Journal of Physical Anthropology*, S68: 95.
- Kirchhoff, C.A., **Cooke, S.B.**, Romero, A.N., Terhune, C.E. Covariation among dental wear, craniofacial morphology, and pathologies in *Macaca fascicularis*. *American Journal of Physical Anthropology*, S68: 126.
- 2018 **Cooke, S.B.**, Mychajliw, A., Almonte, Feliz, G., McAfee, R.K., Turvey, S., Lovett, S. A Late Pleistocene to Holocene Faunal Community in Pedernales Province, Dominican Republic. 78<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Albuquerque, NM, 17-20 October 2018.

- Kirchhoff, C.A., McAfee, R.K., **Cooke, S.B.** Record of Osteopathologies in late Pleistocene-early Holocene sloths (Mammalia: Pilosa: Megalonychidae) from Hispaniola. 78<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Albuquerque, NM, 17-20 October 2018.
- Cooke, S.B.**, Wisniewski\*, A., Terhune, C.E., Kirchhoff, C.A. Macaque Attack: Dental Topography through a wear sequence in *Macaca fascicularis*. American Journal of Physical Anthropology, S66: 53-54.
- Kirchhoff, C.A., **Cooke, S.B.**, Terhune, C.E. Macaque Attack: The association between dental pathologies and temporomandibular osteoarthritis in *Macaca fascicularis*. American Journal of Physical Anthropology, S66: 140.
- Schmitt, C.A, **Cooke, S.B.**, Brasil, M.F., Monson, T.A., Hlusko, L.J. Genetically patterned dental phenotypes show support for diet as a force for evolutionary change in platyrrhine primates. American Journal of Physical Anthropology, S66: 243-244.
- Terhune, C.E., Kirchhoff, C.A., **Cooke, S.B.** Macaque Attack: Variation in craniofacial and TMJ shape in *Macaca fascicularis*. American Journal of Physical Anthropology, S66: 274.
- 2017 **Cooke, S.B.**, Vanegas, A.F., Link, A., Shearer, B.M., Stroik, L.K., Tallman, M. New specimens of *Stirtonia* from the La Victoria Formation, La Venta, Colombia and the evolution of alouattin dental and mandibular form. American Journal of Physical Anthropology, S64: 150
- Gladman, J.T., Yapuncich, G.S., **Cooke, S.B.** Combining 3DGM analyses from multiple anatomical regions improves phylogenetic interpretations of phonetic data in Platyrrhini. American Journal of Physical Anthropology, S64: 195.
- Halenar, L.B, **Cooke, S.B.** What is a genus? Understanding craniodental diversity in *Callicebus*. American Journal of Physical Anthropology, S64: 207.
- 2016 **Cooke, S.B.**, Tallman, M., Mychajliw, A., Almonte, J., Feliz, G. New primate femur from Parque Jaragua, Pedernales, Dominican Republic extends the range of Hispaniolan monkeys. American Journal of Physical Anthropology, S62: 121.
- 2015 **Cooke, S.B.**, Tallman, M., Shearer, B., Link, A. Vertebrate Faunal Change through time in the Middle Miocene site of La Venta, Colombia. 75<sup>th</sup> Meeting of the Society of Vertebrate Paleontology, Dallas, Texas, USA. 14 October 2015.
- Cooke, S.B.**, Halenar, L.B., Mychajliw, A. Endemic primate extinctions in the Greater Antilles. 95<sup>th</sup> Annual Meeting of the American Society of Mammalogists, Jacksonville, FL. 15 June 2015.
- Boyd, K.L., **Cooke, S.B.**, Villaseñor\*, A. Human malocclusion and changed feeding practices since the Industrial Revolution. International Society for Evolution, Medicine, & Public Health, 2015 meeting, University of Arizona, Tempe, AR. 19-21 March 2015.

- Perry, J., **Cooke, S.B.**, Halenar, L.B., Runestad, J.A., Ruff, C.B. Body mass estimation in platyrrhines: methodological considerations and fossil applications. *American Journal of Physical Anthropology*, S60: 251.
- Tallman, M., **Cooke, S.B.**, Shearer, B.M., Link, A. A preliminary paleoecological analysis of newly discovered fossiliferous localities at the middle Miocene site of La Venta, Colombia. *American Journal of Physical Anthropology*, S60: 300.
- Villafuerte\*, M.J., **Cooke, S.B.** Measures of dental relief: testing error, testing efficacy. *American Journal of Physical Anthropology*, S60: 313.
- 2014 **Cooke, S.B.**, Tallman, M. Assessing diet – assessing niche: Are subtle dietary differences detectable morphologically? Presented at the 2014 International Congress of Primatologists meetings, Hanoi, Vietnam. 15 August 2014.
- Cooke, S.B.**, Villaseñor\*, A. Boyd, K., Astorino, C., Freidline, S.E., Hublin, J-J. Palate shape and diet in *Homo sapiens*. *American Journal of Physical Anthropology* 153(S58): 96-97.
- Halenar, L.B., **Cooke, S.B.**, Rosenberger, A.L., Rímoli, R. New cranium of the endemic Caribbean platyrrhine, *Antillothrix bernensis*, from La Altagracia Province, Dominican Republic. *American Journal of Physical Anthropology* 153(S58): 133-134.
- Shearer, B.M., Tallman, M., **Cooke, S.B.**, Halenar, L.B., Reber, S.L., Sires, J.P., Delson, E. Evaluating causes of error in landmark-based data collection using scanners. *American Journal of Physical Anthropology* 153(S58): 237-238.
- 2013 **Cooke, S.B.**, Terhune, C. Form and function in a sample of platyrrhine primates: A three-dimensional analysis of dental and TMJ morphology. *American Journal of Physical Anthropology* 150(S56): 101.
- 2012 **Cooke, S.B.**, Lehman, P., Rímoli, R. Fossiliferous caves of the Dominican Republic: A video essay. Presented at the 2012 International Congress of Primatologists meetings, Cancun Mexico. 13 August 2012.
- Cooke, S.B.**, Halenar, L.B. The evolution of body size in the Caribbean primates. Presented at the 2012 International Congress of Primatologists meetings, Cancun Mexico. 13 August 2012.
- Rosenberger, A.L., **Cooke, S.B.**, Rímoli, R. Halenar, L.B., Gladman, J. Diversity of the Caribbean primates: A review of the craniodental and skeletal remains. Presented at the 2012 International Congress of Primatologists meetings, Cancun Mexico. 13 August 2012.
- Tallman M., Halenar L.B., Almecija S., **Cooke S.B.** Locomotion and habits of *Paralouatta*. Presented at the 2012 International Congress of Primatologists meetings, Cancun Mexico. 13 August 2012.
- Cooke, S.B.**, Kay, R.F. Dental Morphology and Dietary Adaptation in *Homunculus patagonicus*. *American Journal of Physical Anthropology* 147(S54): 119.



- Gonzales, L., **Cooke, S.B.** Trigonid talonid height and dental shearing in a sample of eurprimates. *American Journal of Physical Anthropology* 147(S54): 153.
- Halenar, L.B., **Cooke, S.B.**, Tallman, M., Almécija, S. *Paralouatta*, the Cuban enigma: evidence from craniodental morphology. *American Journal of Physical Anthropology* 147(S54): 159.
- Tallman, M., Halenar, L.B., **Cooke, S.B.**, Almécija, S. *Paralouatta*: the Cuban enigma: evidence from postcranial morphology. *American Journal of Physical Anthropology* 147(S54): 282.
- 2011 **Cooke, S.B.** A new three-dimensional geometric morphometric approach for dietary reconstruction in extinct platyrrhine primates from Patagonia, Colombia, and the Caribbean. 71<sup>st</sup> Meeting of the Society of Vertebrate Paleontology, Las Vegas, Nevada, USA. *Journal of Vertebrate Paleontology Supplement*: 61.
- Allen, K.L., Gonzales, L.A., **Cooke, S.B.**, Kay, R.F. Evaluation of upper molar occlusal morphology for dietary inference in mid- to large-bodied Platyrrhini (Primates). 71<sup>st</sup> Meeting of the Society of Vertebrate Paleontology, Las Vegas, Nevada, USA. *Journal of Vertebrate Paleontology Supplement*: 91.
- Boyer, D. **Cooke, S.B.**, Bunn, J., and St. Clair, E. Dental topographic variables (Orientation Patch Count, Relief Index, Dirichlet Energy) of platyrrhine second mandibular molars. *American Journal of Physical Anthropology* 144(S52): 95.
- 2010 **Cooke, S.B.** Diet and dentition in the Greater Antillean platyrrhines. Presented at the 2010 International Congress of Primatologists meetings, Kyoto, Japan. 16 September 2010.
- 2009 **Cooke, S.B.**, and Rosenberger, A.L. Three-dimensional morphology of small-bodied platyrrhine molar teeth. *American Journal of Physical Anthropology* 138(S48): 130.
- 2008 **Cooke, S.B.** New primate dentition from the Tiburon Peninsula, Haiti. *American Journal of Physical Anthropology* 136(S46): 81.
- 2007 **Cooke, S.B.**, Halenar, L.B., Rosenberger, A.L., Tejedor, M.F., and Hartwig, W.C. *Protopithecus*, *Paralouatta*, and *Alouatta*: The making of a platyrrhine folivore. *American Journal of Physical Anthropology* 132(S44): 90.
- 2006 **Cooke, S.B.** The phylogenetic placement of the Victoriapithecidae. *American Journal of Physical Anthropology* 129(S42): 77.
- Cooke, S.B.** The phylogenetic position of *Victoriapithecus*. *PaleoAnthropology* 2006 Appendix: A58.

**SYMPOSIA AND WORKING GROUPS ORGANIZED**

- 2019-21 SESYNC Pursuit: *The death and life of biodiversity: modeling extinction and resilience on islands*. Co-PI with L.M. Dávalos. Funded through The National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD.
- 2019 *Baltimore Symposium on Caribbean Natural History*. Co-organized and co-chaired with Z. Klukkert and N. Scroxton.
- 2013 *Assessing function via shape: What is the place of geometric morphometrics in functional morphology?* Co-organized and co-chaired with C. Terhune. Annual Meetings of the American Association of Physical Anthropologists, Knoxville, Tennessee, 9-13 April 2013.
- 2012 *The Extinct Caribbean Primates: A Natural History*. Co-organized and co-chaired with A.L. Rosenberger. XXIV Congress of the International Primatological Society, Cancun, Mexico, 12-17 August 2012.

**EXTERNAL GRANTS**

- 2021-2023 National Science Foundation Collaborative Grant NSF-ERA 2047817 (\$276,219 [SBC], \$614,254 [total]) “Collaborative Research: Integrative ecological perspectives on extinction processes - a multi-proxy case study of Hispaniolan subfossil and extant rodents.” Role: PI; co-PIs Brooke Crowley, George Perry, Jonathan Bloch
- 2020-2021 The Niarchos Foundation, American Museum of Natural history (\$49,865); “Discovering the deep roots of Amazonian bat diversity in the Middle Miocene of La Venta, Colombia.” Role: co-PI with Nancy Simons, Liliana M. Dávalos, Melissa Tallman, Andrés Link, Camilo Lopez-Aguirre, Laurel R. Yohe
- 2018-2019 The Leakey Foundation (\$24,640); “The evolution of niche differentiation among platyrrhine primates.” Role: PI, co-PIs Melissa Tallman, Andres Link, and Laura Stroik
- 2016-2019 National Science Foundation Collaborative Grant NSF-BCS 1551669 (\$83,153[SBC]; \$219,238 [total]); “Collaborative Research: Normal and pathological covariation in the masticatory apparatus of anthropoid primates.” Role: co-PI with Claire Terhune and Claire Kirchoff
- 2015-2016 National Geographic Society Waitt Grant (\$15,000); “Primate Paleontology in the Magdalena Valley, Colombia.” Role: PI; co-PIs Melissa Tallman and Andres Link
- 2013 American Association of Physical Anthropologists Professional Development Grant (\$5000); “Primate Paleontology in the Dominican Republic.” Role: PI
- 2011 Explorers Fund Grant, Explorers Club (\$1000); “The Vertebrate Paleontology of Parque Nacional Jaragua, Dominican Republic.” Role: PI
- 2007 National Science Foundation Doctoral Dissertation Improvement Grant NSF-DDIG 0726134 (\$12,275); “Dental Morphology and Diet in the Greater Antillean Platyrrhines.” Role: co-PI with Alfred L. Rosenberger

**INTERNAL GRANTS**

- 2015-16 Northeastern Illinois University Committee on Organized Research Grant (\$4000),  
“Paleoecology in the Magdalena River Valley, Colombia.”
- 2014-15 Northeastern Illinois University Research Community Proposal 2014 (\$5000),  
“Three-dimensional analysis of dental functional morphology across the toothrow.”  
Co-PI with Terrance Puryear
- 2014 Northeastern Illinois University Summer Research Stipend (\$5000),  
“Paleoanthropology in the Tatacoa Desert, Colombia.”
- 2013-14 Northeastern Illinois University, Research Community Grant 2014 (\$5000),  
“Understanding how herbivore bones were used by Paleolithic humans to make  
fires” Co-PI with Jamie Hodgkins.
- 2012-13 Northeastern Illinois University, Research Community Grant 2013 (\$5000);  
“Imaging Bone Trauma using a MicroScribe Digitizer,” Co-PI with Lesa Davis and  
Mark McKernin.
- 2006 CUNY Doctoral Student Research Grant (\$547)
- 2004, 06-09 Recipient of Sue Rosenberg Zalk Student Travel and Research Fund Grant (\$200-  
300 yearly)

**OTHER COMPETITIVE AWARDS, FELLOWSHIPS, AND HONORS**

- 2014 Teaching Professional Excellence Award for Research/Creative Activities in 2012-  
2013, Northeastern Illinois University
- 2008-09, 09-10 CUNY Writing Fellow, Brooklyn College (\$ 30,000 yearly)
- 2007-08 Alumnae Association of Barnard College Graduate Fellowship (\$5000)
- 2004-05 National Science Foundation Integrative Graduate Education and Research  
Traineeship Program Fellowship through NYCEP (\$15,000)
- 2002 George Wellwood Murray Graduate Fellowship, Barnard College (\$2000)
- 2001, 2002 Gladys A. Reichard Anthropology Scholarship, Barnard College (\$2000 yearly)
- 2001 NSF Research for Undergraduates Program, American Museum of Natural History  
(\$5000)

**FIELDWORK**

- 2013-present LaVenta, Colombia, Miocene Paleontological Site  
PIs: Siobhán B. Cooke; Andres Link, Universidad de los Andes, Bogotá, Colombia;  
Melissa Tallman, Grand Valley State University

- 2009-present Dominican Republic, Pleistocene-Holocene Cave Sites  
PIs: Siobhán B. Cooke; Renato Rímoli, Museo del Hombre Dominicano, Santo Domingo, Dominican Republic; Juan Almonte, Museo Nacional de Historia Natural, Santo Domingo, Dominican Republic
- Jan-Feb. 2011 Santa Cruz, Argentina, Miocene Paleontological Sites  
PIs: Richard F. Kay, Duke University; Sergio Vizcaíno, Universidad Nacional de La Plata and Division Paleontología de Vertebrados, Museo de La Plata, Argentina
- Jul.-Aug. 2008 Tiburon Peninsula, Haiti, Holocene Cave Sites  
PI: Siobhán B. Cooke
- May-Jun. 2008 Tiputini Biodiversity Station, Parque Nacional Yasuní, Ecuador, Primate Behavior Field Site  
PI: Anthony Difiore, University of Texas - Austin
- Jan. 2007 Rio Gallegos, Patagonia, Argentina, Miocene Paleontological Sites  
PIs: Alfred L. Rosenberger, Brooklyn College, CUNY, emeritus; Marcello F. Tejedor, Instituto Patagónico de Geología y Paleontología, Argentina
- Jul. 2005 Senéze, France, Pliocene Paleontological Site  
PIs: Eric Delson, Lehman College, CUNY, American Museum of Natural History; Martine Faure, Universités de Lyon; Claude Guérin, Universités de Lyon
- Jun.-Aug. 2004 Laetoli, Tanzania, Pliocene Paleontological Site  
PI: Terry Harrison, New York University

### **COURSES TAUGHT**

Johns Hopkins University School of Medicine, 2016-present, 5 courses

Scientific Foundations of Medicine – Human Anatomy (MED 130); Mammalian Evolution – undergraduate level (AS 270.312); Mammalian Evolution – graduate level (ME 130.744); Summer Institute in Anatomy (4 week course); Fundamentals of Human Anatomy (ME 130.753) – DNP Anesthesia

Northeastern Illinois University, 2012-2016, 8 courses

First Year Experience: Skeletons in Chicago Closets (FYE 109b); Human Origins: Introduction to Biological Anthropology (ANTH 215); Dental Anthropology (new course - ANTH 327); Evolution of the Human Diet (ANTH 329a); Paleoanthropology (ANTH 339); Human Variation (ANTH 356); Writing Intensive Program: History of Anthropology (ANTH 355); Science and the Gendered Body (new course - WGS 316)

Duke University, 2010-2012, 4 courses

Medical Gross Anatomy, Oncological Anatomy, Obstetrics and Gynecology - Pelvic Anatomy, Ophthalmological Anatomy

Baruch College, CUNY, 2006-2010, 2 courses

Principles of Ecology (ENV 1020); General Biology – Structure and Function – A Human Orientation (BIO 1005)

Brooklyn College, CUNY, (2007-2008), 2 courses  
Introduction to Physical Anthropology (ANTHR 2.4); Introduction to Anthropology (ANTHR 1)

Hunter College, CUNY, 2003-2008, 2 courses  
Introduction to Human Variation (ANTHP 102); Introduction to Human Evolution, separate laboratory and lecture (ANTHP 101)

Lehman College, CUNY, 2004-2007, 1 course  
Introduction to Human Evolution, integrated laboratory and lecture (ANTH 171)

Sophie Davis School of Biomedical Education, City College, CUNY, 2005, 1 course  
Gross Anatomy (MED 33600)

### **PROFESSIONAL SERVICE**

- 2021-present Armstrong Medical Education Building Committee
- 2021-present Genes to Society Integration (GTSIC) Subcommittee of the UMEPCC
- 2021-present Member, Years 1-2, Formational Committee
- 2021-present Course director, Scientific Foundations of Medicine – Human Anatomy
- 2021-present Course director, Fundamentals in Human Anatomy
- 2019-2021 Member of the Johns Hopkins University School of Medicine Faculty Senate
- 2014-present Member of the American Association of Physical Anthropologists (AAPA) Committee on Diversity (COD)
- 2013-present Member of the AAPA-COD, LGBTQQIAA section, gAyAPA.
- 2017-2018 Member of the AAPA Program Committee
- 2015-2016 Member of the NEIU Faculty Senate, Communications sub-committee
- 2014-2015 Guest co-editor with C. Terhune, Special Issue of the *Anatomical Record* entitled “Assessing Function via Shape: What is the place of geometric morphometrics in functional morphology?”
- 2013-2015 Member of the NEIU College of Arts and Sciences Academic Affairs Committee
- 2013-2016 Member of the NEIU University Advisory Committee
- 2012-2016 Advisor to Anthropos, NEIU Student Anthropology Club
- 2012-2016 Northeastern Illinois University Institutional Animal Care and Use Committee

2006-2009 Student Representative to the Departmental Executive Committee, Department of Anthropology, Graduate Center, CUNY

2005 Student Coordinator, NYCEP Conference: Monkeys Old and New

### **AD HOC REVIEWER**

#### *Journals*

American Journal of Physical Anthropology; American Journal of Primatology; The Anatomical Record; Global Ecology and Conservation; International Journal of Primatology; Journal of Anatomy; Journal of Biogeography; Journal of Human Evolution; Journal of Mammalian Evolution; Journal of Morphology; Journal of Paleontology; PeerJ; Plos One; Publicación Electrónica de la Asociación Paleontológica Argentina; Royal Society Open Science; Journal of Osteoarchaeology;

#### *Grants*

National Science Foundation, Leakey Foundation

### **INVITED LECTURES**

Ancestral Health Society, Dental Panel, August 19, 2022  
 Middlebury College, Middlebury, VT; December 2-3, 2021  
 City University of New York, New York, NY; March 17, 2021 (virtual)  
 Turkana University College, Lodwar, Kenya; March 8, 2021 (virtual)  
 Boston University, Boston, MA; November 19, 2020 (virtual)  
 Geological Society of Washington, Washington DC; October 12, 2019  
 University of the West Indies, St. Augustine, Trinidad; April 13, 2019 (virtual)  
 Stony Brook University, Stony Brook, NY; November 29, 2017  
 University of Illinois, Urbana-Champaign, Urbana-Champaign, IL; May 5, 2016  
 University of North Texas Health Science Center, Fort Worth, TX; November 2, 2015  
 Midwestern University, Downers Grove, IL; April 24, 2015  
 University of Arkansas–Fayetteville, Fayetteville, AR; October 17, 2014  
 Grand Valley State University, Allendale, MI; February 28, 2014

### **SCIENTIFIC OUTREACH**

Skype a Scientist is an organization that allows members of the public to sign up to speak with a scientist in an area of their expertise. Over the last year, I spoke with several elementary school classrooms, a homeschool student, and members of the public through a museum.

- 8/2/20 – Women in STEM – Athena Program
- 8/14/20 – Ashville Museum of Science
- 10/14/20 – 12-year-old homeschool student
- 11/6/20 – 4<sup>th</sup> grade class in Ohio
- 11/14/21 - 4<sup>th</sup> grade class in Ohio
- 5/12/21 – 4<sup>th</sup> grade class in Ohio

Maryland STEM Career Fair for girls is organized by the Bryn Mawr school. It brings scientists together to speak to girls about career opportunities.

- 10/12/19 – participated in fair
- 12/8/20 – panel speaker in the Environmental Science and Paleontology section