

SIOBHÁN B. COOKE
CURRICULUM VITAE

Department of Anthropology
Northeastern Illinois University
5500 North St. Louis Ave.
Chicago, IL 60625

EDUCATION

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

ACADEMIC APPOINTMENTS

- 2012 – present **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

- 2015 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. ISBN 978-1-4939-1956-7
- 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 Academy of Sciences, 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.

PUBLISHED ABSTRACTS AND CONFERENCE PRESENTATIONS

- 2015 **Cooke, S.B.**, Halenar, L.B., Mychajliw, A. Endemic primate extinctions in the Greater Antilles. American Society of Mammalogists, 2015 meeting, Jacksonville, FL.
- 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.
- Perry, J., **Cooke, S.B.**, Halener, 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 Primatological Society 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 Primatological Society 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 Primatological Society 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 Primatological Society 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 Primatological Society 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. 71st 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). 71st 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. XXIII Congress of the International Primatological Society. 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 Victoriapitheciidae. American Journal of Physical Anthropology 129(S42): 77.

Cooke, S.B. The phylogenetic position of *Victoriapithecus*. *PaleoAnthropology* 2006 Appendix: A58.

CONFERENCE SYMPOSIA ORGANIZED

- 2013 *Assessing function via shape: What is the place of geometric morphometrics in functional morphology?* Co-organized and co-chaired with Claire Terhune, Duke University. 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 Alfred L. Rosenberger, Brooklyn College, CUNY. XXIV Congress of the International Primatological Society, Cancun, Mexico, 12-17 August 2012.

EXTERNAL GRANTS

- 2013 American Association of Physical Anthropologists Professional Development Grant (\$5000); "Primate Paleontology in the Dominican Republic."
- 2011 Explorers Fund Grant, Explorers Club (\$1000); "The Vertebrate Paleontology of Parque Nacional Jaragua, Dominican Republic."
- 2007 National Science Foundation Doctoral Dissertation Improvement Grant (\$12,275); "Dental Morphology and Diet in the Greater Antillean Platyrrhines." 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 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 Proposal 2013 (\$5000); "Imaging Bone Trauma using a MicroScribe Digitizer," Co-PI with Lesa Davis and Mark McKernin.
- 2006 CUNY Doctoral Student Research Grant (\$1094)
- 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 NYCEP NSF IGERT Fellowship (\$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)

COURSES TAUGHT

Northeastern Illinois University, 2012-present, 8 courses

First Year Experience: Skeletons in Chicago Closets... (FYE 109b); Human Origins: Introduction to Biological Anthropology (ANTH 215); Dental Anthropology (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 (WGS 316).

Duke University, 2010-2012, 5 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)

FIELDWORK

- 2013-present LaVenta, Colombia, Miocene Paleontological Site
 PIs: Siobhán B. Cooke, Northeastern Illinois University; Andres Link, Universidad de los Andes, Bogotá, Colombia; Melissa Tallman, Grand Valley State University
 Funding: Northeastern Illinois University, Grand Valley State University
- 2009-present Dominican Republic, Pleistocene-Holocene Cave Sites
 PIs: Alfred L. Rosenberger, Brooklyn College, CUNY; Siobhán B. Cooke, Northeastern Illinois University; Renato Rímoli, Museo del Hombre Dominicano, Santo Domingo, Dominican Republic
 Funding: Brooklyn College, Leakey Foundation, National Geographic Society, Explorer's Club, American Association of Physical Anthropologists
- Jan-Feb. 2011 Santa Cruz, Argentina, Miocene Paleontological Sites
 PIs: Richard F. Kay, Duke University; Sergio Vizcaíno, Universidad Nacional de La Plata and Division Paleontologia de Vertebrados, Museo de La Plata, Argentina
- Jul.-Aug. 2008 Tiburon Peninsula, Haiti, Holocene Cave Sites
 PI: Siobhán B. Cooke
 An exploratory visit was made to Holocene cave sites around Camp Perrin, Haiti. New cave sites were located for a potential long-term field project. Funding: AABC Graduate Fellowship, Barnard College, Columbia University.
- May-Jun. 2008 Tiputini Biodiversity Station, Parque Nacional Yasuní, Ecuador, Primate Behavior Field Site
 PI: Anthony Difiore, New York University
- Jan. 2007 Rio Gallegos, Patagonia, Argentina, Miocene Paleontological Sites
 PIs: Alfred L. Rosenberger, Brooklyn College, CUNY; Marcello F. Tejedor, Consejo Nacional de Investigaciones Científicas y Técnicas, Laboratorio de Investigaciones en Evolución y Biodiversidad, Facultad de Ciencias Naturales, Sede Esquel, Universidad Nacional de la Patagonia, "San Juan Bosco", 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

PROFESSIONAL SERVICE

- 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?"
- 2014-present Member of the AAPA Diversity Committee
- 2013-present Member of the organizing committee of gAy-APA

-
- 2013-present Member of the NEIU College of Arts and Sciences Academic Affairs Committee
- 2013-present Member of the NEIU University Advisory Committee
- 2012-present Advisor to Anthropos, NEIU Student Anthropology Club
- 2012-present 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

SOCIETY MEMBERSHIP

American Association of Physical Anthropologists
International Primatological Society
Society of Vertebrate Paleontology